

Government of India Ministry of Environment, Forest and Climate Change IA Division

(Non-Coal Mining)



Minutes of AGENDA FOR 28th MEETING OF THE EXPERT APPRAISAL COM MITTEE (NON-COAL MINING SECTOR), SCHEDULED TO BE HELD DURIN Date: 22/03/2024 G 14th & 15th MARCH, 2024 THROUGH VIDEO CONFERENCING (VC) meetin g Non-Coal Mining held from 14/03/2024 to 15/03/2024

MoM ID: EC/MOM/EAC/446256/3/2024

Agenda ID: EC/AGENDA/EAC/446256/3/2024

Meeting Venue: N/A

Meeting Mode: Virtual

Date & Time:

14/03/2024	10:30 AM	05:30 PM
15/03/2024	10:30 AM	05:30 PM

1. Opening remarks

The 28th meeting of the Re-Constituted Expert Appraisal Committee (EAC) for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 14-15th March, 2024 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC discussion on each of the Agenda Items was taken up ad-seriatim.

2. Confirmation of the minutes of previous meeting

The minutes of the 27th Meeting of the EAC (NoN-Coal) held during 20th February, 2024 & 21st February, 2024 were placed before the members of the EAC and confirmed by the Chairman.

3. Details of proposals considered by the committee

Day 1 -14/03/2024

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Expansion of Sanu-I Limestone Mining Project (ML No. 27/1996, Area-1000 Ha.) with Mine Material handling c apacity from 3.3 MTPA to 3.848 MTPA (Less than 20 %) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size)- 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) by RAJASTHAN STATE MINES & MINERALS LIMITED located at JAISALMER,RAJASTHAN

Proposal For		Fresh EC			
Proposal No File No		Submission Date	Activity (Schedule Item)		
IA/RJ/MIN/458597/2024	J-11015/42/2006-IA. II (M)	09/02/2024	Mining of minerals (1(a))		

3.1.2. Project Salient Features

The instant proposal is for expansion of Sanu-I Limestone Mining Project with enhancement in production capacity from 3.3 to 3.848 MTPA (less than 20%) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size) - 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) In the ML area of 1000 ha (ML No. 27/1996) by M/s Rajasthan State Mines and Minerals Limited located near Village Sanu, Sub Tehsil Ramgarh, Tehsil Sam (Old Tehsil Jaisalmer), District Jaisalmer, Rajasthan.

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
- i. The proposed project activity is listed at schedule no. 1(a) Mining of Mineralsand falls under Category "A" of the schedule of the EIA Notification, 2006 and appraised at the Central level.
- ii. The mine lease area is located between Latitude 27°19'39.37"N to 27°19'40.13"N & 27°16'43.77"N to 27°16'44.53"N and Longitude 70°33'47.35"E to 70°33'49.81"E & 70°34'54.62"E to 70°34'57.11"E. The mine lease area falls under the Survey of India Toposheet No: 40 I/11 and falls in Seismic Zone-III.

iii. Earlier, the Project Proponent obtained following Environmental Clearance as tabulated below:

S.No.	Details of EC obtained in es & Minerals Ltd. (RSM	than State Min	Lette	r No. & Date			
1.	Environment Clearance of Steel Grade Limestone	For 1.25 MTPA	Vide letter no. J-11015/ 42/2006-IA. II (M) date d 03.08.2007				
2.	Amendment in EC for enhancement in life of mine from 31.03.2 016 at maximum annual production capacity of 12.5 LTPA as in the IBM approved Mining Plan/Scheme of Mines, the balance e stimated reserves has been enhanced based on the additional exp loration during scheme of mining (SOM) period & resulted the mineral reserves of probable/possible category falling under proved category.						
3.	Further obtained Amendation capacity of SMS (50 MTPA along with ROMTPA to 3.30 MTPA.	25 MTPA to 1.	Vide Letter no. F. No. J-11015/42/2006-IA. II (M) dated 23.06.2021.				
Grant		From	То	1		Lease registratio n date	
Initial C	Initial Grant (30 Years)		31/03/20 27	22/07/2010		30/07/2010	

Extension	From	То	Renewal date
1st (Deemed renewal from the in itial grant)	01/04/19 97	31/03/20 47	15/11/2018

v. Land Use/Land Cover of the Mine Lease Area:

Private land	Private land		ea: 1000 Ha			
Government land	Government land					
Forest land	Forest land			0 Ha.		
Total Mining lease a	Cotal Mining lease area (MLA), ha			1000 Ha.		
Private land for crus er infrastructure outs	her, workshop & oth side the MLA	NA		CAR		
Mining Plan including Progressive Mine Closure Plan	Letter No.	I	E	MCDR-MPC0LST/2/2023-AJM-IB M_RO_AJM		
(approved by India n Bureau of Mine	Date	तः रधा	10 A 45	09/06/2023		
s/DMG)	Mineral & (Major/M	linor)		Limestone (Steel Grade & Cement Grade) and Major		
	Mine Lease Area, Ha	a		1000 Ha.		
	Validity			2026-27		
s/DMG)	Mine Lease Area, Ha	50		Grade) and Major 1000 Ha.		

Additional inform ation (if any)

Approval of Earlier Mining Plan & Its Subsequent Review In Chronological Or der

	uci	-1211	-			
		0	- 01	Per	riod	Type of
Ò	S.	*PC CI	DEE		.5	Approve
É	N	Letter Number	Date	From	To	d
	0.			Pioni	10	Docume
	- 1					nt
	1	326/108/ZN-28/90-M	14/06/19	01/04/19	31/03/19	Mining p
	1	CCM(NZ)	91	91	96	lan
		584(6)(3)(15)/96 RC	20/08/19	01/04/19	31/03/20	Scheme
	2	MAJM	97	96	01	of Minin
		1417 13141	71		01	g
		584(6)(3)(94)/2001R	04/02/20	01/04/20	31/03/20	Scheme
	3	CM-AJM	02	01/01/20	06	of Minin
			02	01	00	g
		584(6)(3) (94-PMCP/	28/01/20	01/04/20	31/03/20	Scheme
	4	2004-AJM	05	04	06	of Minin
		2004 113111	03	0-1		g
		584(6)(3) MS-259/20	09/09/20	01/04/20	31/03/20	Scheme
	5	06AJM	06	06	12	of Minin
		00113111			12	g
	6	584(6)(3) (391)/201	13/06/20	01/04/20	31/03/20	Scheme

		1-RCOM-AJM	12	12	17	of Minin g		
	7	584(6)(3) (1667)/201 6-RCM-AJM	16/12/20 01/04/20 16 17		31/03/20 22	Review Of Minin g Plan		
	8	584(6)(3) (1763)/201 8-RCM-AJM	14/12/20 18			Modificati on Of Mi ning Pla n		
	9	584(4)(3) (1899)/202 1-22RCM-AJM	29/03/20 22	01/04/20 22	31/03/20 27	Review Of Minin g Plan		
Mining Parameter	Quan	titative Description	c_{A_E}					
Method of Mining	Open	cast Mechanized						
Drilling/Blasting	Drilli	ng/Blasting	E					
Geological Reserv	392.4	7 MT (Million Tonne)	ति एक	T				
Mineable Reserve	16.35	16.35 MT (Million Tonne)						
Breakup of Total Excavation (Topso il/OB/SB/IB/Mine ral Rejects/ Waste, MTPA)	rce- 3	Total Material handing 3.848 Million TPA (ROM SMS grade Limestone resource- 3.3 Million TPA recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size)- 0.548 Million TPA)						

CAC GREET

	S. N	Product	Capacit	Existing C	Propo	Remark/End
Life of mine	6 Years	110000	y mentio	apacity as	sed C	use
Life of filling	0 Tours		ned in th	per EC (M	apacit	
Mine Densk Heigh	Danah II	[a: alat. 5	e EC dat	ILLION T	y (MI	
Mine Bench Heigh		leight: 5 m	ed 3rd A	PA) dated	LLIO	
t & Bench Width	Bench v	idth: 80-120 m	ug 2007	3rd Aug 2	N TP	
			& 23rd J	007 & 23r		
No. of Mine Benc	7			d June 202	(A)	
hes			une 202			
	1	G) (G, G, 1, T)	1 2 7	1 70	1.70	F 1 G
Existing Depth, m	Pit No.	SMS Grade Lime Pit ID Pit Status	Area Cov	ered by Pit (F	Ia) De	End use: Stee
bgl	1	North Active	123.98	ì		ndustries n
	2		501.72			0 m
	2	South Active b	301.72		3.0	7 111
		y MoEF & CC vi				
Ultimate Depth of	5 m bgl	de letter no. J-110		Ca.		
Mining, m bgl		15/42/2006-IA.II		7.5		
		(M) dated 3rd Au				
Ground Water Tab	70 m bg	gust 2007				
le, m bgl	2 2	Mineral Size Reje	1.559	1.8	1.8	End use: cem
	a	et (10 mm-30 m	V C	0		ent, power &
Details of ground	Ground	water tablen) will not b	e intersecte	d		other industri
water intersection		1 8 50	IN BO	~ · ·		es
	2	Screen Reject Li	100			End use: Mar
Individual bench s	70° b	mestone less than				ket is yet to b
lope	/0	10 mm particle si				e established.
Юрс		ze)	7 : .	\		C CStabilished.
Overell nit alone	450(1+	ROM (Limestone	2.799	3.30	3.3	
Overall pit slope	137(11	Resources)	2.177	3.30	3.3	
D			ded FC own	nted by MoFF	S& CCA	ide Fo North 1d 4
Details of existing/	Existing	Phota: Ampesement 150 TPH 015/42/	ary Jaw & m	rshers/naving (M) dated 23:	capacity	14X300;1X250,1
proposed Crusher		150 TPH 015/42/ Size mineral rejec		0	0.328	
	1		0	0		
Mineral Beneficiat	No 1	ts (10-30 mm siz	She "		8	ent, steel, po
ion		e)	- 03			wer plants &
→ 4		PCC	DEEL	•	-3	other industri
RoM output size	Mine M	<mark>aterial handling capa</mark>	city from 3	3 million TP.	A to 3.84	8_million TPA (
•	Less tha	n 20%) in second pl	hase which	includes keer	0.219 102 ROI	MEnduse: back l MSMS grade Li
	l. 2	Size \	TTD A	(0) (0 0 1	I + • 2	i tilleg of gispa i
	& recov	ery of mineral from I	Handling of	old backfille	d limesto	tch subject to
	mps (0-3	30 mm size)- 0.548 M	fillion TPA	old backing		Market dema
	inps (o .	0.540 W	1111011 1171			nd
Transportation det	4.0(4.	Handling of old b	ity of dum	Ors/Tippors	50,548	End use: cem
Transportation det	4.0(4. Vià road 1+4.	Handling of old b s/railways and Capac ackfilled limeston	ity of duin	pers/Tippers-2	is rones	ent, steel, po
ails including capa	2)	e size reject dump				wer plants &
city of dumper/tip		s (0-30 mm size)				other industri
per, mode of trans						es
port and distance	5(3+	Total Material Ha	2.799	3.30	3.848	In first phase
Generation of Top	There is	ndling (MILLIO no top soil generation	n/OB gene	ration envisag	ed from	the proposed mi
soil/OB & its Man	nes					%
agement during pl						In Second Ph
an period & conce						ase Proposed
ptual period						Expansion is
		<u> </u>	l	<u> </u>	<u> </u>	2.1panoron io

Generation of Min eral Rejects/ Wast e & its Manageme nt during plan peri od & conceptual p eriod Mineral Reject generation of Size less than 10 mm & as per market specificatio ns possibility is to explore the same for market use and selling of -10mm miner al sized rejects with the objective to zero waste mining as per National Mineral Policy 2019 to Conserve National Resources as much as possible.

eriod						
Total water requirement	ent		55	Fresh water	55	
			Treated water	0		
Source		Water of	demand is being m	net available through	GNP Canal	
Permission for withdown rsection along with down and its validity			Permission obtained from IGNP dated 06/02/2007 for 120 K r Sanu-I and Sanu-II mining project.			
Particulars		Particu	lar's Name	Distance & Direction	ns	
Village	10	Joga vi	llage	~ 5.32 Km towards mining lease area.	NNE direction from	
Town	Ramga wn)	rh (Nearest To	~8.67 Km towards NW direction from mining lease area.			
Highway	NH-68		~ Passing through the mine lease area at about 0.90 Km towards South direction from the Pillar W of the M.L area.			
Interstate Boundary		None is	in 10 KM Radiu			
Railway Station/Rail	way line	Sanu R	ailway station	~ 7.09 Km towards ESE direction from mining lease area.		
Water Bodies	Te.	Sanwra	Desar Talab	~1.37 Km towards SE direction from the mine lease area		
Forest		None is	n 10 KM Radiu	-		
Forest Land/ Protecte ea/ Environmental S vity Zone	I	es/No		ficate/letter issued by ng the Lr no, date of §	-	
Forest Land within the lease area and (if years) tatus of Forest Cleara	yes) s	No	est, Wildlife, Ja SM/2023-24/31	from office of the Dy isalmer vide letter no 55 dated on 29.08.20 km away from the bo	F()Misc./DCFWLJ stating that Mine	
National Park		No		llife Sanctuary and ab		

Wildlife Sanctuary	No	rom the Great Indian Bustard Priority Area and lying wit hin the Great Indian Bustard Potential Area
Elephant/Tiger Reserve	No	ini the Great matan Bustara i otentiai zarea
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ES A)	No	
Coastal Regulation Zone (CRZ)	No	
Schedule-I species (No.s a nd name of schedule-I species with authenticated letter)	No	No Schedule I species were observed during primary survey. Further, the Authenticated List of Flora & Fauna issued vide letter no. F () DCF/Technical/2022-23/4863 by DC F, Jaisalmer dated on 04.09.2023 shows presence of three Schedule I species namely: The Indian Porcupine (Hystrix leucura), Rat snake (Ptyas mucosa), Tawny Eagle (Aquila rapax)
Wildlife Conservation Pla		Under Departmental Process
Proposed area for	Year U	Jn-work Additional pl Net plantation Backfilled Total

Proposed area for
green belt/plantati
on and no. of sapl
ings proposed

	7	Year Un-work		Additional pl			Total			
			ed Area		antation to b	to be carried o	Area			
		/ 1	77	ă.	e carried out	ut				
					(Assuming s	(Along with r				
				UU	urvival rate t	eplacement of				
		3	ΜÐ		o be 70%)	non-surviving				
1		2.	y			Plants)				
		5%	Are	No.	No. of Tree	No. of Trees	Are	No.	Ar	No.
			a (of T	She \$5	110	a (of	ea	of T
			Ha)	rees	She.		Ha)	Tre	(H	rees
			6		12		Ú	es	a)	
2	Ex	Un-worked	41.	415	REE.	0	31	46,6		453
	isti	Area	59	90		رق	3.5	97		70
	ng	Both sides	3.7	378		200	0			
		of NH passi	8	0		6.X				
		ng through								
		the mine	`-P;	lym	ents \					
ı	1 st (2023-24)	*2.	184		18401	Mai	ntena		184
	Ì		22	01			nce	to be		01
ı	2 nd	(2024-25)		184	5520	23921	do	one		239
		,		01						21
ı	3 rd ((2025-26)		184	7176	25577				255
		` ,		01						77
ı	4 th ((2026-27)		184	7673	26074				260
				02						74
	5 th				7822	7822				782
										2
	6 th									
	End	of Life of					55	Re-		

	Ι							1
	Mine					9.2	gras sing	
	Total	47. 59	1,1 8,97 5	22671	96275	87 2.7 2	Re- 47 gras 59 sing	1 1
Budget for green plant & plantation till the end of life of mine.	Rs. 5.21 lacs (Reco	urring	g Cost)					
Budget for nurser y								
Details of existing plantation and its survival rate	Discussed in the al	oove :	section		$C_{A_{\mathcal{F}}}$			
No. of tree cuts in the mine lease are a and compensatory afforestation		P	1 \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	E				
Particulars for Gr een belt/plantatio n	Area covered (in Ha)							
7.5 m barrier & n on-mineralized zo ne	43.81 Ha. (Green Belt/Plantation (Undisturbed Area) & 3.78 Ha. (Plantation along both sides of NH passing through the mine).				tion alo			
50 m safety zone of nallah, roads, e lectric lines	CAC GREEN SING							
500 m safety zone s of nearest habita tion villages								
Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)								
Period of baseline data collection			March-	March-May 2023				
Season (Summer / Pre-monsoon / Post-monsoon / Winter)			Wi Summe	r				
Predominant Wind direction (From)				SW				
Ambient Air Quality (no. of locations) and results				8				
Noise level (no. of locations) and results 7								

Water Quality (no. of locations) and res	Water Quality (no. of locations) and results			
Soil Quality (no. of locations) and result	ts	7		
Hydro geological study and results		Discussed in the chapter 3 of the EIA/EMP Report.		
Traffic study (no. of locations) and resu	Mining activity would deploy 25 T/Truck a nd 144 trips/day, or PCU/day will be 432. T hus, incremental increase in traffic will be 5 0%. There will be no much impact on local t ransport of mineral from mine site via road ways and railways. The LOS value for the N H-68 will be "Excellent" after post mining. So, the additional load on the carrying capacity of the concerned roads is not likely to ha ve any significant adverse effect			
Advertisement for PH with date (name f major national daily and one regional ernacular daily newspaper)	equent amen "A" and acc activity is re	Notification, dated 14 th September, 2006 and its subsiderents till date the said project falls under Category ordingly, Environmental Clearance (EC) for mining quired under para 7 (ii)a of EIA Notification, 2006 (f		
Date of PH	ting projects			
Venue	S Grade Lin	hase I enhancement in the production capacity of SM destone from 1.25 MTPA to 1.50 MTPA (20 % increa th ROM Handling of limestone from 2.799 MTPA to		
Chair <mark>ed by</mark>	ne.	(17.89% increase) at operating Sanu-I Limestone Mi is EIA/EMP report is being prepared for Phase		
Main issues raised during PH	2: 2.799 M	TPA to 3.848 MTPA (37.47 % increase) expa % i.e., 37.47 % in phase 1 and phase 2) in line		
Budget proposed for addressing issues is ised during PH over 3 years	to MoEF & 177258] da	8 & CC OM vide No. IA3-22/10/2022-IA.III [Edated 11 th April 2022 and subsequent OM vide 22/10/2022-IA.III [E 177258] dated 30 th May 2		
Additional information (if any)	Table Scenario III: "Up to 40 percent based ful compliance of previous environmental safe litions related to expansion of 20 percent" clea that there is requirement of revised EIA/EMP Certified EC Compliance report however there airement of fresh public consultation			
Particulars	Details of Lett	ter along with date of grant and validity		
Consent to Establish		almer(Jaisalmer)/1958(1)/2016-2017/1150-11 7/2021 valid till 31/07/2024		
Consent to Operate	, ,	mer (Jaisalmer)/1958(1)/2016-2017/1155-115 /2021 valid till 31/07/2024		
Certified Compliance Report and Insp ection date		the Certified Compliance Report (CCR) dated as per the CCR, the inspection was carried out		

Certified Production Details from the inception of the mine (in tabular form against the EC capacity)

Certified Production figure along with EC Capacity

xiv. Rehabilitation & Resettlement (R&R):

R & R details	No R & R study involved as this is an existing mining project also no settlements are present in the mine lease are a that requires R & R.
Court Case, No and its present status	No Court Case is pending
Undertaking by Project Proponent w.r.t c ourt case	Undertaking is enclosed along with the EIA/EMP Report.
Affidavit as per Ministry's OM dated 30. 05.2018	Project Proponent has submitted an Affidavit along with the EIA/EMP Report.
Undertaking by Project Proponent in EI A/EMP report	Project Proponent has submitted an Undertakingalong with the EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	Undertaking by Consultant has been submitted along wit h the EIA/EMP Report.
Plagiarism Certificate	Plagiarism Certificate has been submitted along with the EIA/EMP Report.

xvii. Details of the Environmental Management Plan (EMP):

S. N o.		Activity	Budget Allocati on in Lacs. (Ca pital)	Budget Allocatio n in Lacs. (Recurr ing)
1		Environmental Monitori	ng Cost	
			1	0.50
	b. Air	Air pollution monitoring	20.0	1.00 1.00
		ii Control of fugitive emission during loading a nd unloading, transportation/water sprinkling m easures. iii Air Pollution Control Devices installation at the material transfer points at crusher plant (Fo gging System, Bag Filters)		10.00 5.00

	iii Greenbelt/I			5.21		
	c. Noise pollution M	onitoring				0.40
2.	Construction of Wat	ter conserv	ation and manager	nent	3.00	0.70
3.	Drip Irrigation				3.00	1.00
4.	Blasting related safe	guard expe	nses			0.50
5.	Waste Management	(Municipal	Waste)			0.15
6.	Fencing around mind dhuman movement	e pit to pre	vent loss of wildlif	e an	78.71	0.20
7.	OHS/Surveillances		To		2.00	2.00
8.	Rehabilitation of ming)	ned out bac	ssin	8.72	1.00	
Total					115.43 28.66	
Parti	Particulars (Rs. In Crore)					250
Cost	cost of EMP (Capital of EMP + capital cost o lic hearing)	Sr. N o.	Cap	Capital Expenditure (In Crores) Rs. 12.00 Crores		
	S,	2	Project cost for expansion	15 77	Rs. 25.52 C	rores
3 Environment M anagement Plan				Recurr Rs La	Existing Proposed Recurring (Capital Recurrin Rs Lacs) (Rs Lacs) g (Rs Lacs) cs)	
			Total	Rs. 37.52	-	3 28.66
Proje	ect Cost	Rs. 37.52	Crore			
Employment (No.s) 112						
Sr. Condition as per OM No					Compliance	of condition
The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments. Public hearing of the project hearing hearing of the project hearing hearing hearing hearing he						

There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansi on	There is no change in the catego ry of the project.
There is no additional land acquisition or forest land divers ion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-à-vis the area mentioned in the EC, based on which public hearing has be en held earlier.	No Change in the Project Area.
The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	Proposed expansion is not more than 50% of production capacit y.
Predicted environmental quality parameters arising out of p roposed expansion/modernization shall be within the presc ribed norms and the same shall be maintained as per prescr ibed norms.	Baseline Monitoring and data have been collected during the Month of month March to May 202 in summer season.
The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	PP has proposed additional plant ation apart from the 33% of ML area.
The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfact orily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not be more than one year old at the time of submission of application	PP has submitted thecertified compliance report vide dated 24.1 0.2023. Site inspection date has not been submitted by the PP.
Public Consultation shall be undertaken [if applicable as per table below] by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (ii) of EIA Notification 2006 and its amendments.	Not applicable.
Effluent monitoring including air quality monitoring syste ms as specified in the existing EC, if stipulated, should hav e been installed.	No data available.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the EAC in current meetings

The EAC, after deliberations observed that instant project is for expansion and PP has applied under OM dated 11.04.2022 for enhancement upto 37.87% (Stage-2) capacity expansion under para 7(ii) of EIA Notification, 2006. The EACobserved that the PP has not complied to all of the points of mentioned in the Ministry's OM dated 11.04.2022 issued under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%. EAC further noted that the PP is having the permission to mine 1.5 MTPA SMS grade limestone with ROM handling capacity of 3.3 MTPA.

The PP has collected the Baseline data for the period from March to May, 2023 and onbserved that the Ambient Air Quality, Water Quality, Soil Quality and Noise Level are within the permissible limits.

Further, the Committee observed that the PP has not complied the condition with regard to the plantation of trees within mine lease area, the EAC opined that the existing ratio of greenbelt should be more than 33% of the Mine Lease area. EAC also noted that PP has not installed any Continuous air quality monitoring system within the ML area. The EAC also emphasised that PP should increase the activity-wise budget for EMP, Public Hearing and their recurring cost. Based on aforesaid discussion, the EAC deferred the proposal for the submission of following information:

- i. The PP needs to submit the point wise compliance of Ministry's OM dated 11.04.2022 under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition.
- ii. PP needs to submit a study showing the impact of mine operation upon the existing boundary of Desert National Park /Wildlife Sanctuary and upon the Great Indian Bustard Potential Area which is about 1.45 Km away from the Mine lease boundary.
- iii. The PP needs to submit the authenticated mineable Limestone reserve and total Limestone reserve available within ML area from Director of Mines and Geology.
- iv. The PP needs to submit DMG authenticated past production since the commencement of mining operations.
- v. The PP needs to submit an undertaking for not exceeding the past production w.r.t. the EC capacity.
- vi. The PP needs to create a nursery of native plant species in 5 ha land within the mine lease area (with not less than 1 lakh of sapling capacity). The nursery should be ready within three months.
- vii. The PP needs to submit the status of wildlife conservation plan prepared as per the Wildlife amendment act, 2022.
- viii. The PP needs to submit the detail action plan related to the budget already spent and to be spent with regard to activities covered under EMP and as part of CSR.
- ix. The PP needs to submit the recorded Drone video of the Mine lease area covering Mine pit, OB dump and Plantation area.
- x. The PP needs to undertake a carrying capacity study in order to findout the impact on the National Highway-68.

3.1.5. Recommendation of EAC

Deferred for ADS

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

Gujarda, Dudheri & Dudhala Limestone Mine by Nirma Limited located at BHAVNAGAR,GUJARAT					
Proposal For		Fresh EC			
Proposal No	File No	Submission Date	Activity (Schedule Item)		
IA/GJ/MIN/443968/2023	J-11015/153/2016-IA-II(NCM)	13/09/2023	Mining of minerals (1(a))		

3.2.2. Project Salient Features

The proposal is for Environmental Clearance for Gujarda, Dudheri & Dudhala Limestone Mine for production capacity of 2.7 MTPA in the mine lease area of 681.62 ha by M/s Nirma Limited located at Villages Gujarda, Dudheri & Dudhala, Tehsil Mahuva, District Bhavnagar (Gujarat).

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
- i. The mine lease area is located between Latitude 21°01'1.31"N to 21°03' 44.86" N and Longitude 71°41'15.21"E to 71°43'38.54"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
- iii. The Project Proponent has obtained the ToR for mining of Limestone in Gujarda, Dudheri & Dudhala Limestone Mine of M/s Nirma Limited vide letter no. J-11015/153/2016-IA.II(M) dated 06.02.2023.

iv. Details of Mine Lease in chronological manner:

S.no	Prospecting Li cense/ Letter o f Intent (LoI)/ Grant of Mine lease and Lr N o	Date of grant	Z. L. L.	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	MCR-102004- 1943-CHH	15.02.2	2008	Limestone	30 years	IMD, Gover nment of Guj arat	1497.4701
2	MCR-102004- 1943-CHH	02.02.2	2011	Limestone	30 years	IMD, Gover nment of Guj arat	1489.4701
3	MCR-102004- 1943-CHH	08.01.2	2017 Limestone		50 years	IMD, Gover nment of Guj arat	681.62
S. No	Details of gran			Period of	Grant	Name of the e Mineral	Mine leas e area in
	ion	CACCUL		From	То	— e ivillierai	Ha
1	MCR-102004- CHH	1943-	11.01.2017		10.01.2067	Limestone	681.62

Private land	565.9454				
Government land	115.6746	115.6746			
Forest land	-	-			
Total Mining lease area (MLA), ha	681.62				
Private land for crusher, workshop & other infrastructure outside the MLA		side the ML area. However crusher at company's Cement Plant.			
Mining Plan including Progressive M ine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	File No.: 684(4)(1)/MP-348(19 7)/2021-22 GNR/1121			
Bureau of Milles/DWG)	Date	04.08.2021			
	Mineral & (Majo r/Minor)	Major			
Z QF	Mine Lease Are a, Ha	681.62			
2 7 3	Validity	31.03.2026			
Mining Parameters	Quantitative Descri	iption			
Method of Mining	Opencast mechanized				
Drilling/Blasting	Multi-row drilling and V-pattern drill holes for deep h ole drilling and blasting. Slurry explosive -cap sensitive e and non-cap sensitive.				
Geological Reserves	57.280 Million tonne				
Mineable Reserves	20.574million tonn	e			
Breakup of Total Excavation (Topsoi I/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Top soil- 0.57 mi.cum OB/SB/IB/Mineral Rejects- Nil Waste-Nil				
Life of mine	11 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111)				
Mine Bench Height & Bench Width	_	6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum			
No. of Mine Benches	2				
Existing Depth, m bgl	New mine				

Ultimate Depth of Mining, m	bgl	10 m		
Ground Water Table, m bgl		15.5 m (Post monsoon)		
Details of ground water intersection		No ground water will be encountered during planning stage i.e. in working plan in neither pre monsoon nor post monsoon season in any of the pits. Ground water will also not intersect during mining at the end of min e life.		
Individual bench slope		80-85°		
Overall pit slope		~ 45°		
Details of existing/ proposed (Crusher	Proposed crush	er will be installed	at Cement Plant.
Mineral Beneficiation		7.		
RoM output size		BIL	EC	
Transportation details including capa city of dumper/tipper, mode of transp ort and distance Generation of Topsoil/OB & its Mana gement during plan period & concept		Internal haul road from mine face to crusher and by conveyor from crusher to the Cement plant adjacent to the mine lease. For the Soda Ash Plant located at approx.100 km at K alatalav, Bhavnagar limestone will be transported in dumpers/ trucks through National Highway 51. Internal haul road from mine face to crusher means of dumper/tippers of 25 tonnes capacity. Top soil at plan period- 249806 cu.m, temporary stacking at one location		
ual period		Top soil at conceptual period-321394 cu.m, simultane ously backfilling		
Generation of Mineral Rejects & its Management during plan & conceptual period		Nil Process		
Additional information(if any)		Surface miner as well as ripper/dozer & rock breaker will be used for mining to minimize drilling & blastin g.		
Total water requirement	44 KLE)	Fresh water	3 KLD
			Treated water	41 KLD
Source	Fresh water source Narn Water harvested within a Treated water source- Re ater of RO /DM plant (p.		nine lease during ra eject water of RO/L	iny season. DM plant &Reject w

Permission for withdrawal/ i ntersection along with detail s of grant and its validity	Permission for water withdrawal from Narmada water pipeline has been taken vide letter No. GWIL/Bhavnagar/Ind.conn./125 7 dated 4.06.2008.				
Additional information (if a ny)	-				
Particulars	Particular's Name		Distance & Directions		
Village	Gujarda, Dudheri, Madhiya Padhiarka	Dudhala	0.2-0.5 km 0.5 km, NW 0.5 km, W		
Town	Mahuva		4.0km, NE		
Highway	NH-51 (Una-Mahuv y)	a highwa	Within		
Interstate Boundary	Rajasthan	E	Approx.500 KM,N		
Railway Station/Railway line	Amrutvel		2.0km, N		
Water Bodies	Arabian Sea C	oast	0.5 km, S from the HTL		
	Samdiyala Salinity ingress control bund		4.5 km, WSW		
	Malan Bandhara		1.5 km E		
6.6	Malan Rive	100 15 Pro	4.4 KM,E		
omi	Bhambhali Ri	ver	5.4 Km, W		
Illan	Garasawo Ri	ver	0.9 KM,NE		
Forest	RF near Paty	va	2.8 KM,SW		
	RF near Doliya		7.4 KM,E		
	RF near Dudheri		0.6 KM,S		
	RF near Gujarda		0.3 KM,S		
	RF near Khared		2.1 KM,E		
Forest Land/ Protected Area/ Eironmental Sensitivity Zone	e concer		of Certificate/letter issued by the ned Department mentioning the date of grant and remarks		

Forest Land within the mine lease area and (if yes) status of Forest Clearance National Park No Wildlife Sanctuary No Elephant/Tiger Reserve No Eco-Sensitive Zone(ESZ) /Eco-S ensitive Area (ESA) Coastal Regulation Zone (CRZ) Schedule-I species (No.s and name of schedule-I species with authenticated letter) Wildlife Conservation Plan Yes Wildlife Conservation Plan Yes On the basis of the fauna study finding s. & list of fauna authenticated by Forest Department, Wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department, Wildlife Conservation Plan had been approved for the conservation of wildlife in the study area. As suggested by EAC & latest Wildlife Protection Amendment Act, 2022, bagget allocation of WILCP has been increased from R s.19.9 Lakh to Rs.65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of s aplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation Particulars for Green belt/plantation Area covered (in Ha)			
Wildlife Sanctuary Elephant/Tiger Reserve No Eco-Sensitive Zone(ESZ) /Eco-S ensitive Area (ESA) Coastal Regulation Zone (CRZ) Schedule-I species (No.s and name of schedule-I species with authenticated letter) Wildlife Conservation Plan Yes Wildlife Conservation Plan Yes On the basis of the fauna study finding self is to fauna authenticated by Forest Department, Wildlife Conservation Plan and was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WILCP has been increased from R s. 19.9 Lakh to Rs. 65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of saplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation	area and (if yes) status of Forest	No	
Elephant/Tiger Reserve No Eco-Sensitive Zone(ESZ) /Eco-S ensitive Area (ESA) Coastal Regulation Zone (CRZ) Schedule-I species (No.s and nam e of schedule-I species with authe nticated letter) Wildlife Conservation Plan Yes Wildlife Conservation Plan Yes On the basis of the fauna study finding s & list of fauna authenticated by Fores t Department, Wildlife Conservation Pl an was prepared and submitted for appr oval. The said Wildlife Conservation P an had been approved by the Forest D epartment on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As sugges ted by EAC & latest Wildlife Protection Amendment Act, 2022, budget allocatio n for WLCP has been increased from R s.19.9 Lakh to Rs.65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of s aplings proposed Budget for green plant & plantation till the end of li fe of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation	National Park	No	
Eco-Sensitive Zone(ESZ) /Eco-S ensitive Area (ESA) Coastal Regulation Zone (CRZ) Schedule-I species (No.s and nam of schedule-I species with authenticated letter) Wildlife Conservation Plan Yes On the basis of the fauna study finding selection wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department, Wildlife Conservation Plan awas prepared and submitted for approval. The said Wildlife Conservation Plan had been approved for the conservation of wildlife in the study area. As suggested by EAC & latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from R s. 19.9 Lakh to Rs. 65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of s aplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation Amendment Act, 2022, budget allocation in for WLCP has been increased from R s. 19.9 Lakh to Rs. 65.9 Lakh for all 3 m ines. As per actual during mining	Wildlife Sanctuary	No	
Coastal Regulation Zone (CRZ) Yes ML area outside CRZ- GCZMA letter no.ENV-10-2023-170-T dated 19.07.2 023 Schedule-I species (No.s and name of schedule-I species with authenticated letter) Wildlife Conservation Plan Yes Wildlife Conservation Plan Yes On the basis of the fauna study finding seal is of fauna authenticated by Forest Department, Wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021, Rs. 19.9 lakh has been approved by the Forest Department on 20.12.2021, Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Rs. 19.9 Lakh to Rs. 65.9 Lakh for all 3 mines. Proposed area for green belt/plantation and no. of saplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining	Elephant/Tiger Reserve	No	
Schedule-I species (No.s and name of schedule-I species with authenticated letter) Wildlife Conservation Plan Yes Wildlife Conservation Plan Yes On the basis of the fauna study finding selected by Forest Department, Wildlife Conservation Plan had been approved by the Forest Department, Wildlife Conservation Plan had been approved by the Forest Department Ozo1.2.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Rs. 19.9 Lakh to Rs. 65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of saplings proposed Budget for green plant & plantation till the end of life of mine. Budget for green plant & plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation		No	
e of schedule-I species with authe nticated letter) Separation Plan Yes On the basis of the fauna study finding separate and submitted for approval. The said Wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Res. 19.9 Lakh to Rs. 65.9 Lakh for all 3 mines. Proposed area for green belt/plantation and no. of saplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation Act, 2022, schedule-1 species have been updated in WLCP. On the basis of the fauna study finding se & list of fauna authenticated by Forest Department, Wildlife Protection Plan updated in WLCP. On the basis of the fauna study finding se & list of fauna authenticated by Forest to Department, Wildlife Protection Plan updated by Forest Department, Wildlife Pr	Coastal Regulation Zone (CRZ)	Yes	no.ENV-10-2023-170-T dated 19.07.2
s & list of fauna authenticated by Fores t Department, Wildlife Conservation Pl an was prepared and submitted for appr oval. The said Wildlife Conservation P lan had been approved by the Forest D epartment on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As sugges ted by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from R s.19.9 Lakh to Rs.65.9 Lakh for all 3 m ines. Proposed area for green belt/plantation and no. of s aplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining	e of schedule-I species with authe	Yes	s per Wildlife Protection Amendment Act, 2022, schedule-1 species have bee
Budget for green plant & plantation till the end of li fe of mine. Budget for nursery - Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining	Wildlife Conservation Plan	Ento Protects of S	s & list of fauna authenticated by Fores t Department, Wildlife Conservation Pl an was prepared and submitted for appr oval. The said Wildlife Conservation P lan had been approved by the Forest D epartment on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As sugges ted by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from R s.19.9 Lakh to Rs.65.9 Lakh for all 3 m
fe of mine. Budget for nursery - Details of existing plantation and its survival rate - No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining		tion and no. of s	30.00 Ha.
Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining		90.95 Lakhs	
No. of tree cuts in the mine lease area and compens atory afforestation As per actual during mining	Budget for nursery	-	
atory afforestation	Details of existing plantation and its	-	
Particulars for Green belt/plantation Area covered (in Ha)		As per actual during mining	
	Particulars for Green belt/plantation	1	Area covered (in Ha)

	1	
7.5 m barrier & non-mineralized zone	10.0	
50 m safety zone of nallah, roads, electric lines	10.0	
500 m safety zones of nearest habitation village	s -	
Additional information (if any)	10.00 ha(Backfilled area (Govt. wastela nd))	
Baseline Data (Air / Water / Noise / Soil / Hydr	o geological study/ Traffic Study/ others)	
Period of baseline data collection	01.03.2021 to 02.06.2021	
Season (Summer / Pre-monsoon / Post-monsoon Winter)	on / Summer	
Predominant Wind direction (From)	South	
Ambient Air Quality (no. of locations) and resu	lts 16	
Noise level (no. of locations) and results	16	
Water Quality (no. of locations) and results	15	
Soil Quality (no. of locations) and results	12	
Hydro geological study and results	As per planned mining and Report of hyd rogeological & hydrological studies of co re and buffer zone of Gujarda, Dudheri & Dudhala limestone mine, the ground wate r table may get Intersected in post monso on during 11th year at conceptual pit bott om level of +1.0 AMSL. However, conce ptual pit bottom level will be kept above ground water level i.e. +4.0m AMSL to a void intersecting ground water level.	
Traffic study (no. of locations) and results	01 location & V/C = 31.27	
Advertisement for PH with date (name of maj or national daily and one regional vernacular daily newspaper)	26.03.2023 in Sandesh Newspaper & Indian E xpress	
Date of PH	28.04.2023	
Venue	At the premises of Nirma Cement Plant Area, NH 8E/51, Survey No. 80, Village: Padhiyark a, Taluka: Mahuva, Dist. Bhavnagar	
Chaired by	District Collector & District Magistrate, Bhav	

		nagar District & Regional Officer, GPCB Bha vnagar		
Main issues raised during PH		Air pollution, salinity ingression, wildlife prot ection, acquisition of agriculture land		
Budget proposed for addressing issue during PH over 3 years	s raised	77 Lakhs		
Particulars	Details	of Letter along with date of grant and validity		
Consent to Establish	GPCB 0 0 24/01/	CTE granted vide dated 25/01/2021 & valid upt /2028.		
Consent to Operate	-	$C_{\mathcal{A}_{\mathcal{F}}}$		
Certified Compliance Report and In spection date	p I	V E		
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Fresh m	Fresh mine		
R & R details	The total mine lease area is 681.62 ha, out of which Govt. land is 115.6746 haand Private land is 565.945 4 ha.Land will be required for quarrying an area of 1 14.24 ha of Private land and Government land including 18 houses/hutments in land of Gujarda (15 nos.), in land of Dudheri (3 Nos.) & Dudhala (0 Nos.) villa ges. There will be total of 656 land losers. There will be direct purchase or leasing of private land, with the willing consent of the private land owners. Approx. t otal compensation will be Rs 18.0 Lakhs. In addition to above, the registration cost of sale of the land and homesteads shall be borne by the Company. Assumin g it to be 6% of the entire costs of sale, the total resett lement budget works out to be Rs. 78.17 lakhs.			
Court Case, No and its present status Undertaking by Project Proponent w.r t court case	The Project Proponent has submitted an undertaking vide letter dated 07.10.2023 stating that there is no lit igation on the project either at NGT or any other cour t of law related to environment and pollution matters in which the project proponent is a respondent.			
Affidavit as per Ministry's OM dated 30.05.2018	by wa	The Project Proponent has submitted an undertaking by way of notarized Affidavit dated 09.10.2023 stating that the proposal does not involve violation of Ministry's OM dated 30.05.2018.		
Undertaking by Project Proponent in E IA/EMP report		Project Proponent has submitted an undertaking etter dated 14.02.2023 stating that the contents (

Und P rep	ertaking by Consultan port	t in EIA/EM	information and data) as given by the Consultant in the EIA/EMP report are factually correct with full knowledge of the undersigned (Shri Ashish Desai). The Director of the EIA Consultant (M/s Centre for Envotech & Management Consultancy Pvt. Ltd) has informed that the baseline data was generated by MoE F &NABL Accredited Laboratory M/s Min Mec R&D Laboratory, a division of Min Mec Consultancy Pvt. Ltd., New Delhi and the same has been verified and also confirmed that he shall be fully accountable for any misleading information mentioned in this state ment.	
S. N o.	Observation of the EAC in 21 st mee ting held during 1 8-20 th October, 2 023	e-KV	Reply by Project Proponent	
1.	The site visit report of the subcommittee.	Site visit has been conducted by subcommittee on 22-25 th December, 202 3.		
2.	Since the mine sit e is located within 20 km from seabo ard frontier, the Pr oject Proponent sh all submit No Obj ection Certificate from Ministry of Defense for consi deration of the instant project.	Project Proponent has submitted a letter for issuance of NoC/Clearance fr om Ministry of Defence vide application dated 10.11.2023. Project Proponent has submitted a letter to Department of Geology & Mining, Govt.of Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defense vide application dated 07.12.2023. As per our understanding, there is no clarity or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefor e, our humble request is that issue the EC without condition of obtaining NOC from MoD.		
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action planfor expansion of road with a width of 7m and by pass	rade limestor ted at Kalata ujarat vide le The cement ps located aro Establishmen ng before Horational. Hence, till the e. 450 TPD os @18 trips pblack topped vnagar. Company is	captive mine to proposed cement plant at Mahuva and Highg ne to be used in company's own existing Soda Ash plant loca lay, Bhavnagar as per permission accorded by the Govt. of Gotter dated 17.08.2023. plant is adjoining to the mine lease while the Soda ash plant is und 100 km away and accessed through National Highway. In the company take some time as the appeal is pendion'ble Supreme Court while the soda ash plant is already ope are commencement of proposed cement plant, maximum 5% is chemical grade limestone will be transported through dumper per day via existing village road of 7 m (out of which 4 m is all to National Highway and ultimately Soda Ash plant at Bha very much keen to establish cement plant as early as possible acce & consume required limestone for cement manufacturing	

ing the village roa on its highest rated capacity. d till the commissi We assure your kind authority that we will widen the black top of the exis on of the Over La ting village road from mines to National Highway prior to commencemen t of Proposed Cement Plant. Section plan of proposed road black top wid nd Belt Conveyor ening has been submitted to the MoEF&CC. (OLBC). Also, as discussed during the EAC meeting, we will explore the possibilit y of Over Land Belt Conveyor (OLBC) on either side of the highway bas ed on the technical possibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC. 4. The Project Propo Since, the National Highway is under construction, we have submitted let nent needs to expl ter to National Highway Authorities of India(NHAI) regarding grant of p ore the possibility ermission to provide Underpass near our cement plant entry point or any of laying over bri other option suggested by NHAI for transportation of raw material & fini dge over the High shed product. Acknowledgment dated 23.10.2023 has been submitted. way and shall sub mit the permission from the National Highways Authori ty of India (NHA I). 5. The Project Propo Samdhiyala Salinity Ingress Control bund (Samdhiyala bund) was constr ucted by Government of Gujarat in the year 2000 on Motpet Creek to pre nent needs to sub mit the protection vent sea water from coming towards landward side. On the landward sid measures to be tak e, rain water gets accumulated as well. en for salt water i Presently, the accumulated rain water of Samdhiyala bund is being used d uring post monsoon by adjoining agriculture land owners and in other sea ntrusion and the e ffectiveness of the sons they are extracting ground water through borewell. For agriculture la salinity ingress co nd which is away from Samdhiyala bund, farmers are extracting ground ntrol bund. water through borewell for agriculture due to which salinity & TDS are in creasing in ground water. As per company's water management strategy, after commencement of c ement plant, company will undertake deepening of 100 ha surrendered la nd out of our total allotted plant land and also pledged to construct garlan d drains around the proposed plant area which will improve the overall fr esh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala At the time of mining, bottom level of conceptual pit will be kept above g round water level to avoid intersection. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease. During mining, present hydrological system will keep intact by constructi ng garland drain around the pits to maintain present hydraulic gradient to wards the Samdhiyala Bund. After exhaustion of mineral, voids left will act as natural water harvesting structures. Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water. Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevatio

		In view of the above, due to mining there is no possibility of salt water in trusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund.
n n c u s	The Project Proponent needs to submit the site specific mitigation measures for backwater from Arabian Sear coming into the mine lease area.	In this regard, following site specific mitigation measures will be taken: Arabian Sea is situated at distance of more than 0.5 km in the south of the said mine lease and is clearly outside the CRZ area which is certified by GCZMA. Letter dated 19.07.2023 has been issued to M/s Nirma ltd. from GCZMA. There was only one probability of sea water coming to mine lease area w hich is through Motpet Creek. Samdhiyala Salinity ingress bund has been constructed on Motpet Creek to restrict backwater coming from Arabian s ea towards landward side. Therefore, there is no possibility of backwater from Arabian sea to come to mine lease area. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease to monitor the water level & water sa linity. Positive pressure of fresh water on landward site will be created due to w ater storage in mine pits, which will aid in pushing back the saline front a s well.
n s k y o a e	The Project Proponent needs to revisit the plan for bac offilling with clearly indicating the voids area and the capacity available/required for backfilling.	The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26. As per approved Mining Plan, Removal of soil and its disposal as below. Year: FY 2021-22 to FY 2025-26 Removal of soil(cum): 249806 Means of disposal: *Temporary stacking at one location near Proposed Pit no.1. Then, temporary stacked soil will be shifted for Backfilling of shallow pit s of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted. Area covered under stacking (ha): 6.20 Year: FY 2026-27 to FY 2031-32 Removal of soil(cum): 321894 Means of disposal: *Temporary stacking at one location till 2026-27 and then, temporary stacked soil will be shifted for Backfilling. Simultaneously Utilized for Back filling of shallow pits of around 4.0 m depth Proposed Pit No. 6. (As demonstrated in map attached in Enclosur e-VIII). Then, temporary stacked soil will be shifted for Backfilling of shallow pit s of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. Area covered under stacking (ha):Nil Total Removal of soil(cum): 571200 Area covered under stacking (ha): nil Looking towards availability of topsoil, backfilling of part area is envisage ed. Total voids area envisaged till conceptual period = 114.24 ha Total soil removal envisaged till conceptual period = 0.57 million cum (1 14.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha Ultimate Dimensions of Pits at the end of conceptual period Pit No.: 1 Pit Area covered (ha):49.56 Pit Top (m AMSL):20 to 14 Pit bottom (m AMSL): 10 Pit Depth in in m: 10 to 4 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 2 Pit Area covered (ha):12.78 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 8 Pit Depth in in m: 5 to 3 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 3 Pit Area covered (ha):14.40 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 6 Pit Depth in in m: 7 to 5 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 4 Pit Area covered (ha):17.51 Pit Top (m AMSL):17 to 12 Pit bottom (m AMSL):11 Pit Depth in in m: 6 to 1 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 5 Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 6 Pit Area covered (ha):15.66 Pit Top (m AMSL):10.5 to 4 Pit bottom (m AMSL):4 Pit Depth in in m: 6.5 to 0 Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha fo r entire depth – 570000 cu.m Total Pit Area covered (ha): 114.24 Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m) 8. The Project Propo Revised wildlife conservation plan incorporating the Schedule-I species a nent needs to revi s per the latest Wildlife Protection Amendment Act, 2022 has been submi se the activities pr tted. oposed under the 10 species are protected under the Schedule-I of The Wildlife (Protectio Wildlife Conserva n) Act 1972 are as: Asiatic Lion, Indian Leopard, Striped Hyena, Jungle tion Plan. The Pro Cat, Indian Fox, Jackal, Indian Grey Mongoose, Indian Porcupine, Chink ject Proponent als ara and Grey Wolf. o needs to ensure t Further, 2 species (Indian Peafowl and Eurasian Spoonbill) are protected under the Schedule-I of The Wildlife (Protection) Act 1972 amended 202 hat the Schedule-I species as per the 2.

to n a n n	atest Wildlife Pro ection Amendme at Act, 2022 shall also be included in the Wildlife Conservation Plan for their conservation.	
h constant of the constant of	The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also need to submit the action plan for land a requisition and timeline.	Type of land: Private Land rate, Rs. Lakh/ ha: 13.00 Land requirement, ha: 100.22 Total Amount Rs. lakhs: 1302.86 Type of land:Government Land rate, Rs. Lakh/ ha: On mining lease Land requirement, ha: 14.02 Total Amount Rs. lakhs: 1302.86 Total Landrequirement, ha: 114.24 Total Amount Rs. lakhs: 1302.86 Total amount given considering as per DLC rate. However, land will be p rocured/get consent for mining purpose on mutual agreed market rates. Total amount given considering as per DLC rate. However, land will be p rocured/get consent for mining purpose on mutual agreed market rates. Type of homestead:Pucca Rate, Rs. /sq.m.: 10000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Semi pucca Rate, Rs. /sq.m.: 5000 Approx. Homestead area, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Rutcha Rate, Rs. /sq.m.: 2000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Total Approx. Homestead area**, sq.m.: 360 Total compensation, Rs. lakhs: 36 ** Company will consider homestead losers falling in proposed mine are a on actual basis at the time of starting of mining activity and such homes tead losers shall be compensated on mutually agreed commercial terms. Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength t o rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged. Action plan for land acquisition and timeline is as below: Sr. No: 1 Timeline for land requirement(present) Timeline for land requirement(present): purchased Pvt. Land:49.49 Govt. land:0 Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67 Govt. land:0 Total: 25.67 Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0 Govt. land:115.67 Total: 115.67 Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21 Govt. land:0.02 Total: 54.23 Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual stage -11t

h year

Pvt. Land: 102.70 Govt. land:14.04 Total: 116.74 Sr. No.:2.3

Timeline for land requirement(present): Minelife (up to lease period)

Pvt. Land: 565.94 Govt. land: 115.67 Total: 681.62

Mining lease deed has already been executed for said mining lease so min ing can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/conse nt in some of the land & for remaining land, company is in process to pro cure ownership or surface right for mining on mutually agreed commerci al terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining le ase area.

10. The Project Proponent needs to submit the action plan for year wise exploration program.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 182 nos. of Core Bore Holes has been proposed in the area in order to bring the ML a rea within G1 stage in accordance with MEMC Rules 2015 and MCDR 2 017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, therefore borehol es are kept at an interval of 200m grid pattern. A total of 182 number of Core Boreholes are proposed up to a level of +1.0 MRL . Initially BH dril ling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of w orking i.e. year 2021-22 to 2025-26. Exploration shall be carried out as sh own in table to bring BH at 200m interval.

Program of Future Exploration

YEAR:2021-22 to 2025-26 No. of BH: PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77 Grid Interval:400 m Total Meterage: Up to +1.0 MRL YEAR:2021-22 to 2025-26 No. of BH: PBH-37,41,43,61,66,79, 81,83,96,100,115,117,119,121,143,141,139,137, 135,133,167,165,163,169,171,173,179,181 Grid Interval:400 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-18,19,20,21,22,23,27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,6 2-65,67,71-74,76,93,94 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-68-70,82,84,78,80,85-92,95,97-99,101-116, 118,120,122,123,124-1 27 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-1 78,180,182 Grid Interval:200m or below Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m **Grid** Interval: Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on gran t of EC and try to accomplish within shorter period if conditions are favor The location of Proposed BH is depicted in Surface Geological plan of th e approved mine plan and given in EIA report in figure no. C 2-2 in Chap ter 2 has been submitted. Permission accorded by the Govt. of Gujarat vide order dated: 17.08.202 11. The Project Prop onent needs to su 3 for utilization of Chemical Grade of Limestone for non-cement purpose bmit the copy of t s has been submitted. he permission lett er obtained from t he State Govt. for utilization of Che

	mical Grade of Li mestone for non- cement purposes.	
12.	The Project Proponent needs to submit a letter from the Department of Geology and Mining, Government of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not? Visit Recommendation	The company has not carried out any mining within the lease area much less any illegal mining in the lease area. There are old pits pre-dating the a llotment of the lease to the company, which were received in legacy and s hown in the present surface geological plan. Request letter in this regard has been submitted to Department of Geology and Mining, Government of Gujarat on 01.11.2023. Acknowledgement of the same has been submitted by the Project Proponent.
1.	PP should submit an action plan and timeline to indicate the purchase of lands across all three mining leases wherein it has proposed mining pits to initiate mining activities since as on date PP has only purchased / obtained surface rights over 101.1967 Ha out of 1351.6489 of Private Agriculture Land.	ction plan and Timeline indicating the purchase /obtain surface rights of lan for mining for all three mining leases to initiate mining activities has been symitted by the Project Proponent.
2.	isages to han dover the lan d with shallo	said mine, survey has been conducted & one pit i.e. Pit No. 6 (Pit area -15. Ha) will have shallow depth pit and will be backfilled for entire depth of pi looking to availably of soil for backfilling it no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire depth.

	ing depth upt o 4m to land owners for fa rming and m ostly all three mining lease s are having agricultural l and. PP is request ed to conduct a survey to indicate the present status and number of low-lying are as, their respective which may be backfilled with available capacity of top soil/overburden and can be hand	ding over to farmers for agriculture has been submitted by the Project Propon ent.
3.	ed over to f armers for a gricultural p urpose. Project Prop	Exploration plan of said mining lease has been submitted by the Project Propo
	onent needs t o provide yea r wise explor ation plan for all the three mining lease s.	nent.
4.	Since, Bhavn agar falls und er severely P olluted Area category, PP shall ensure t hat during initiation phase itself they should include the provision of permanent water sprinkl	Chitra Industrial area (severely polluted area) in Bhavnagar city is located aro und 100 km away from our said mining lease area. On initial stage, company will engage water tanker with sprinkler arrangemen t to suppress the dust on haul road and company will make provision of perma nent water sprinklers across the haul roads in all three mining leases.

	ers across the haul roads in all three mining leases.	
5.	Since, Bellur and other sch ools are in cl ose proximit y to mine lea se area, PP s hall ensure th at necessary safety measures are taken as per DGM S norms for all three mining leases.	Company will ensure to maintain require safety measures & distance from Bel lur School & other schools as per DGMS norms for all three mining leases du ring mining.
6.	PP shall ensure to construct bunds near the existing low lying areas that has developed into we tland to prevent the ingress of sea water in Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri& Dudhala limestone mine lease area.	The low lying area is where the rain water accumulates temporarily during mo nsoon. These are not notified as wetlands either under Ramsar Convention or by Central Govt. or State Govt. Hence, the identifications and provisions under Wetlands (conservation and Management) Rules, 2017 do not apply in this case as per clause 3 of aforesaid Rules. Moreover, Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area are located at a distance of more than 500 m from High Tide Line of sea & also this area (between sea and low lying area in our mining lease area) have higher altitude, therefore, there is no chance of sea water ingress in mining lease area. However, company will construct bunds as and when required.
7.	The project P roponent nee ds to submit t he integrated management plan describing the strateg ies and actions for achieving wise use of the wetland and the plan shall include	There is no Ramsar convention/ Central or State Government notified wetland in and nearby our mining lease area. The water bodies such as river channels a nd human-made water bodies (such as submergence areas of Samdhiyala Ban dahara, Malan Bandhara) are excluded from the definition of wetlands as per Wetlands (Conservation and Management) Rules, 2017. There are low lying areas, in which rain water accumulates temporarily during monsoon. Mining activity will contribute towards enlargening & deepening su ch areas in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gu jarda, Dudheri & Dudhala making a positive contribution to fresh water storag e. The company does not intend to have any other use for these low lying area s. As part of the integrated management plan for protection of water logged area s in and around the project, following steps shall be undertaken:

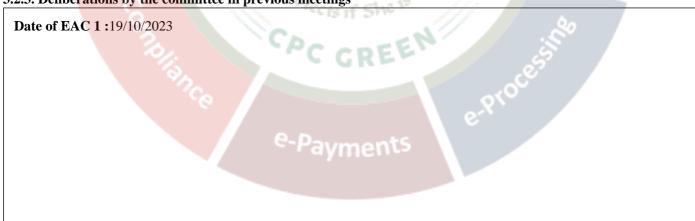
objectives of 1 Company will not do mining below 2 m AMSL in this low lying area so that the site mana there is no salinity ingress due to mining activity. l Piezometer will be installed at designated locations to monitor changes in gr gement, man agement acti ound water level. ons required 1 Other allied activities such as transportation will be carried out by maintainin to achieve th g safety distance from this low lying area 1 In this area of Gujarat, water logging due to rain water is a common phenom e objectives, enon and resident water birds take advantage of such seasonal water loggi factors that a ffects, or ma ng to feed. Hence, company has proposed several measures as part of the y affect, the wildlife conservation plan, with 3-year budget, as follows: various site f n Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 eatures, moni lakhs) toring requir n Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs) ements for de n Assisting Plantation activities to be carried out by Forest Department, B tecting chang havnagar (Rs. 1.5 lakhs) es in ecologi n Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lak cal character and for meas n Provision of equipments, camera, binoculars for efficient monitoring an uring the effe d eco-tourism promotion (Rs. 7.5 lakhs) n Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lak ctiveness of management, and resource n Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs) n Public education and awareness programmes for the following - Avoidi s for manage ng plastic, Recycle and reuse, Reduce usage of pesticide and weedicid ment implem entation. e, Conservation of Wildlife, Garbage control (Rs. 3 lakhs). Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs) Company will not acquire any agriculture land through land acquisition by Go 8. PP needs to e ngage and im vt. or without willingness of land owner and will purchase / obtain surface rig hts for mining on market commercial negotiated rates. part skill am Land owners may purchase agriculture land in nearby area in the amount whic ong the villa gers and loca h is to be paid to them against their land and can continue their livelihood. 1 population Company will give priority to engage land owners who have given land for mi mainly the la ning purposes as per requirement of manpower for mines. nd losers and Also, company will arrange to impart training to build capacity for self-emplo yment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry f also submit a arming, etc.] to land losers and will facilitate vocational training along with sk plan for their ill development for getting better job opportunities (Budget Rs. 3 lakhs/year). alternate live lihood arrang ement since most of them will be losin g their fertile lands. 9. PP should wi On initial stage, company has proposed to mine out limestone for Soda ash pl den the existi ant in lower capacity and company will use existing village road for transport ation of limestone by maintaining the existing village road as number of trips ng village ro ads before us of truck / dumpers will be very less i.e. around 18 numbers of trips/day maxi ing it for tran mum in this mine. sportation in Company will widen the existing village road or make alternate road in all thr all three mini ee mining leases on installation of cement plant. Section plan of the road wide ng leases, wh ning has been submitted by the Project Proponent.

	erever widen ing is not pos sible, PP shal I submit an a ction plan for making alter nate roads.	
10.	PP should en gage wildlife experts/ avia n experts for conservation of the avian f auna within a nd near its m ine lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.
11.	PP shall plan t native fruit bearing plant s across all th e proposed gr een patches.	Native fruit bearing plants will be planted across all the proposed green patch es.
12.	PP shall put boundary pill ars across all mining lease s.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars co-ordinates through the DILR / Stat e Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/ removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.
13.	The project p roponent nee ds to submit a letter from the Departme nt of Geolog y & Mining, Govt. of Guj arat, clarifyin g whether an y illegal mini ng within the mine lease ar ea has been c arried out or not and whet her the same has been carried out by M/s Nirma Limi	The company has not carried out any illegal mining in the lease area and request letter to provide required certificate regarding no mining carried out by company or others has been submitted to the District Geologist, Department of Geology and Mining, Government of Gujarat, Bhavnagar vide letter dated: 0 1.11.2023. In turn, the District Geologist, Bhavnagar has submitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024 to communicate the same to MoEF and copy endorsed to us. As per his report, No case of Illegal mining of limestone mineral has been registered within the mining lease area against the company M/s Nir ma Limited or against any other individual or entity. Copy of our submitted letter dated: 01.11.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bhavnagar dated 01.02.2024 has been submitted by the Project Proponent.

	ted or not?			
14.	PP needs to s ubmit plan to transport cru shed limesto ne from all th e three leases to plant.	The mine is captive mine to proposed High grade limestone to be used in corcated as Kalatalav, Bhavnagar. The cement plant is adjoining to the mated around 100 km away and accessed Establishment of cement plant may talk already operational. Hence, till the commencement of property 50 TPD limestone will be transported ar through dumpers @18 trips per day Dudhala - Amrutvel village road of 7 red) for around 1.0 km and meet Nation k will move around 100 km.	mpany's own existing time lease while the State of through National Hawke some time while the some time while the some time while the Soda ash plant low. The trucks will part width (out of which is some time width to some width to some width the sound in the sound	g Soda Ash plant lo Soda ash plant is loc Highway. The soda ash plant is maximum 5% i.e. 4 cated near Bhavnag ass through existing th 4 m is black topp
15.	PP needs to t ake some me asures to kee p the migrati on bird pond s un harmed and protected by activity of mining in fut ure.	Migratory birds are seen in Malan Barareas, which areas located at distance ease area, respectively. Birds are also seen in low lying area, arily during monsoon. However, they arily during monsoon. However, they arily during monsoon is committed to the measure of the company is committed to the measure of the company will mine above 2m AM esh water nature of the water in it. The no. 2 & 3 of Padhiaryka & Doliya Mir & Dudhala will provide more area to insportation will be carried out by main areas.	of 1.5 km and 4.5 km in which rain water a are pre-dominantly resures proposed in the oint 7 earlier), which plogy and birds. ISL in low lying area are enlargening of the late and pit no. 5 & 6 obirds. Also company	accumulates tempor esident water birds. e site specific wildlin include points rela as to maintain the fragor low lying area in pit of Gujarda, Dudheri will ensure that tra
16.	PP needs to i nstall water t reatment pla nt to reduce t he hardness o f water.	Drinking water is provided in every ne peline by the State Govt. and drinking be fulfilled through Narmada water pi area. Hence, presently there is no propever, if any requirement sought in future.	water requirements pe line which is pass posal to use the hard	for mines shall also sing through nearby ground water. How
17.	PP needs to e xplore possib ility of deplo ying surface miners for mi ning.	Company has proposed mining with so roved mine plan and also in EIA report or for cement plant use to eliminate dr. nd committed the same in point no. 3, om MOEF&CC vide Letter no. J-110 28, 2022. For soda ash plant, we need sized lime miner cannot be deployed for limestor ver, company will deploy rock breaker	rt. Company explore illing & blasting in the Specific Terms of R 15/154/2016-IA. II(Nestone i.e. 25 mm to me mining for Soda a	d use of Ripper doz he remaining 50% a eference received fr M) dated November 100 mm, so surface ash plant use. Howe
		Activities	Capital cost (Crore s)	Recurring cost (Lakhs/annum)

Pollution Control	0.291	10.12		
Pollution monitoring		0.016	3.88	
Occupational health		0.014	0.95	
Environmental Studies, etc.		0.10	-	
Green belt		_	5.10	
Reclamation		-	10.03	
Others (Environmental studies, Rehabilitation, Realignmen t, Expert advice, fencing etc.		- C _A	5.48	
Overheads		ζ -	0.32	
Total	VE	0.421	35.87	
Particula <mark>rs</mark> (Rs. In Cror		e)		
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing) 1.19		7 7	D	
Project Cost 25			SS	
Emplo <mark>yment (No.s)</mark>				

3.2.3. Delibe<mark>rations</mark> by the committee in previous meetings



Deliberations of EAC 1:

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Padhiarka and Doliya Limestone mine. The Project Proponent has informed the EAC that the proposed method of mining is same in all three mines such as Gujarda, Dudheri & Dudhala Limestone Mine, Vangar & Madhiya Limestone Mine, and Padhiarka and Doliya Limestone mine. Arabian Sea Coast is located at a distance of 0.5 km, S from the HTL. The Project Proponent has also informed the EAC that the letter from the Government of Gujarat, Forest and Environment Dept.has been obtained vide letter dated 19.07.2023stating that the proposed project of mining at Gujarda, Dudheri and Dudhala mine lease (681.62 ha), District Bhavnagar is outside CRZ area. There are 5 mine pits proposed in the mine lease area. The total mine lease area is 681.62 ha, out of which Govt. land is 115.6746 haand Private land is 565.9454 ha. Project Affected Families will be 656 no.s. A budget of Rs 49.0 Lakhs has been earmarked to address the issues raised during public hearing. The geological conditions, method of mining, environmental sensitivity and implications, impact on socio economic are similar in all these three mines.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that the project is part of three contiguous projects namely Padhiarka and Doliya Limestone mine (332.24 ha), Vangar & Madhiya Limestone Mine (612.336 ha) and Gujarda, Dudheri & Dudhala Limestone Mine (681.62 ha) and together it extends over an area of 1626.196 ha. The mine lease area comprises of partly Private Agriculture land and partly Govt. land. Gujarda, Dudheri, Dudhala Villages are located at a distance of 0.2-0.5 km. NH-51 (Una-Mahuva highway) is passing within mine lease area. The EAC was not convinced with the proposed backfilling plan and the activities proposed under the Wildlife Conservation Plan. The EAC observed that the pits are isolated and the mine lease area is partly Private and Govt. land. The EAC also observed that there will be direct purchase or leasing of private land with the willing consent of the private land owners. The EAC was of the view that what if the land owners are not willing to give their land. There are likely chances that mining will not take place sequentially if the land acquisition does not happen. There will be failure of scientific mining. Large no. of Project Affected Families is involved in all these projects. The EAC opined that the Saltwater intrusion through surface or ground water sources may diminish the availability or quality of source waters for drinking water utilities. Some salt pans i.e., salt manufacturing industries and few wind mills exists in the study area. Old mine pits also existing within the mine lease area. The EAC noted that the Bhavnagar is categorized as a Severely Polluted Areas. The EAC reiterated the Ministry of Defence letter dated 08.05.2023 regarding security considerations for construction activities/other activities in Border areas/other areas wherein it has been mentioned that "all activities connected with mining within 20kms from all the borders including seaboard frontier should be planned in consultation with Ministry of Defence". Accordingly, EAC opined that PP should obtain NOC from Ministry of Defence.

Thus the EAC opined that there is a need to ascertain the ground reality w.r.t natural low lying areas, water logging areas, old mine pits, sequence of mining, feasibility for backfilling, impact on socio economic, agriculture land, transportation route, traffic congestion, salt pans, effectiveness of salinity ingress control bund, proximity of habitations, schools, water bodies, roads etc., The EAC was of the view that a site visit needs to be conducted by a sub-committee comprising of EAC Members and officers from MoEF&CC. The EAC opined that the Ministry may constitute a sub-committee and submit its report to enable the committee to take a decision on the proposal. Therefore, the EAC deferred the proposal for want of following additional information:

- i. The site visit report of the subcommittee.
- ii. Since the mine site is located within 20 km from seaboard frontier the Project Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- iii. The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).
- iv. The Project Proponent needs to explore the possibility of laying overbridge over the Highway

and shall submit the permission from the National Highways Authority of India (NHAI).

- v. The Project Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectiveness of the salinity ingress control bund.
- vi. The Project Proponent needs to submit the site specific mitigation measures for backwaters from Arabian Sea coming into the mine lease area.
- vii. The Project Proponent needs to revisit the plan for backfilling with clearly indicating the voids area and the capacity available/required for backfilling.
- viii. The Project Proponent needs to revise the activities proposed under the Wildlife Conservation Plan. The Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservation Plan for their conservation.
- ix. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.
- x. The Project Proponent needs to submit the action plan for year wise exploration program.
- xi. The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for non-cement purposes.
- xii. The Project Proponent needs to submit a letter from the Department of Geology and Mining, Government of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not?

3.2.4. Deliberations by the EAC in current meetings

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Padhiarka and Doliya Limestone mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC deferred the proposal for the want of following information:-

- i. The Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- ii. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- iii. The Project Proponent needs to undertake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- iv. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- v. PP submitted that National Highway is under construction, and they have submitted letter to National

Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.

- vi. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- vii. The Project Proponent needs to submit time line for acquiring land from the villagers.

3.2.5. Recommendation of EAC

Deferred for ADS

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

Padhiarka and Doliya Limestone Mine by Nirma Limited located at BHAVNAGAR, GUJARAT					
Proposal For	RIV	Fresh EC			
Proposal No	File No	Submission Date	Activity (Schedule Item)		
IA/GJ/MIN/443206/2023	J-11015/154/2016-IA-II(NCM)	13/09/2023	Mining of minerals (1(a))		

3.3.2. Project Salient Features

The proposal is for Environmental Clearance for Padhiarka and Doliya Limestone mine for mining of Limestone with production capacity of 1.5 MTPA in the mine lease area of 332.24 ha by M/s Nirma Limited located at Villages Padhiarka & Doliya, Tehsil Mahuva, District Bhavnagar, Gujarat.

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meetingare given as under:
- i. The mine lease area is located between Latitude 21°00'42.8152" N to 21°02' 9.7579" N and Longitude 71°40'10.0006"E to 71°41'9.9043"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
- iii. Details of Terms of Reference (ToR):

Date of catio		Proposa	al No/ File No	Considerat by EAC		I	Details of ToR	Date of ac cord
18.11.20	022	IA/GJ/MIN/406830/2022		06.12.202			er no. J-11015/15 16-IA.II (M)	6 th Februa ry, 2023
S.No.	cense f Inte Gran	pecting Li be/ Letter o ent (LoI)/ t of Mine and Lr N	Date of the grant	Name of the Mineral & (Major/Minor)		riod Gran	Granted by	Mine lease a rea in Ha

1	MCR-102004- 1943-CHH	15.02.2	2008	Limestone	30 years		ID, Govern ent of Gujar at	1497.470	01
2	MCR-102004- 1943-CHH	02.02.2011		Limestone	30 years		ID, Govern ent of Gujar at	1489.470	01
3	MCR-102004- 1943-CHH	08.01.2	2017	Limestone	50 years		ID, Govern ent of Gujar at	681.62	
S. No	Details of gran			Period of	Grant		Name of th		_
	ne Lease deed ion	execut	KAC	From	To	AF	e Mineral	e area Ha	a in
1	MCR-102004- CHH	1943-	11.0	1.2017	10.01.206	7	Limestone	681.62	2
Private	land		7	565.9454	E S	_			
Govern	ment land	2	4	115.6746		7			
Forest 1	and							7	
Total M	Total Mining lease area (MLA), ha			681.62					
	land for crusher, wastructure outside	-	T. O. T.	No any facilit her will be ins					
ine Clos	Mining Plan including Progressive M ine Closure Plan (approved by Indian Bureau of Mines/DMG)			Letter No. File No.: 684(4)(1)/MP-348(19 7)/2021-22 GNR/1121			P-348(19		
Burcau	or wines/Dwid)			Date 04.08.2021					
				Mineral & (Mar/Minor)	ajo Majo	re-P	, C		
				Mine Lease A a, Ha	Are 681.0	52			
				Validity	31.03	3.2026			
Mining	Parameters			Quantitative De	escription				
Method	of Mining			Opencast mechanized					
Drilling				Multi-row drill ole drilling and e and non-cap	blasting. S	-		-	

Geological Reserves	57.280 Million tonne
Mineable Reserves	20.574million tonne
Breakup of Total Excavation (Topsoi I/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Top soil- 0.57 mi.cum OB/SB/IB/Mineral Rejects- Nil Waste-Nil
Life of mine	11 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111)
Mine Bench Height & Bench Width	6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum
No. of Mine Benches	2
Existing Depth, m bgl	New mine
Ultimate Depth of Mining, m bgl	10 m
Ground Water Table, m bgl	15.5 m (Post monsoon)
Details of ground water intersection	No ground water will be encountered during planning stage i.e. in working plan in neither pre monsoon nor post monsoon season in any of the pits. Ground water will also not intersect during mining at the end of min e life.
Individual bench slope	80-85°
Overall pit slope	~ 45°
Details of existing/ proposed Crusher	Proposed crusher will be installed at Cement Plant.
Mineral Beneficiation	- e-Pro
RoM output size	⁹ -Payments
Transportation details including capa city of dumper/tipper, mode of transp ort and distance	Internal haul road from mine face to crusher and by co nveyor from crusher to the Cement plant adjacent to the e mine lease. For the Soda Ash Plant located at approx.100 km at K alatalav, Bhavnagar limestone will be transported in d umpers/ trucks through National Highway 51. Internal haul road from mine face to crusher means of dumper/tippers of 25 tonnes capacity.
Generation of Topsoil/OB & its Mana gement during plan period & concept ual period	Top soil at plan period- 249806 cu.m, temporary stack ing at one location Top soil at conceptual period-321394 cu.m, simultane

		ously backfillin	g		
Generation of Mineral Rejects & its Management during plat & conceptual period		Nil			
Additional information(if any)			as well as ripper/do:		
Total water requirement	44 KLD		Fresh water	3 KLD	
			Treated water	41 KLD	
Source	i. Fresh water source Narmada water pipeline/Water tanker. ii. Water harvested within mine lease during rainy season. iii. Treated water source- Reject water of RO /DM plant &Reject water of RO /DM plant (proposed at Cement plant)				
Permission for withdrawal/ i ntersection along with detail s of grant and its validity	Permission for water withdrawal from Narmada water pipeline has been taken vide letter No. GWIL/Bhavnagar/Ind.conn./125 7 dated 4.06.2008.				
Particulars	Particular's Name			Distance & Direction	
Village	Gujarda, <mark>D</mark> udheri, Dudhala Madhiya Padhia rka			0.2-0.5 km 0.5 km, NW 0.5 km, W	
Town	Mahuva			4.0km, NE	
Highway	NH-51 (Una-Mahuva highway)			Within	
Interstate Boundary		Rajastha	n	Approx.500 KM,N	
Railway Station/Railway li ne	Amrutvel			2.0km, N	
Water Bodies	Arabian Sea Coast			0.5 km, S from the H L	
	Samd	iyala Salinity ing	ress control bund	4.5 km, WSW	
		Malan Ban	dhara	1.5 km E	
		Malan Ri	ver	4.4 KM,E	
		Bhambhali	River	5.4 Km, W	
		Garasawo l	River	0.9 KM,NE	

Forest	RF nea	r Patwa	2.8 KM,SW
	RF near	r Doliya	7.4 KM,E
	RF near	Dudheri	0.6 KM,S
	RF near	Gujarda	0.3 KM,S
	RF near	Khared	2.1 KM,E
Forest Land/ Protected Area/ironmental Sensitivity Zone	Env Yes/No	Details of Certificat e concerned Depart e Lr no, date of gran	ment mentioning th
Forest Land within the mine e area and (if yes) status of Forest Clearance		The Project Propose e letter from the Off Chief Conservator of o: WLP/32/C826-82	Fice of the Principal of Forests vide Lr.N
National Park	No	3.01.2022 regarding he location of protection	the map showing t
Wildlife Sanctuary	No	km of the Limeston d the and distance o	e mining project an
Elephant/Tiger Reserve	No	d proposed Limeston Protected areas	Distance betwee
Eco-Sensitive Zone(ESZ) /Econsitive Area (ESA)	co-S No		n Limestone min es and Protected areas
		Gir National Par	79.0 km
8	Protects if	Gir Wildlife San ctuary	47.6 km
	Cpc	Mitiyala Wildlife Sanctuary	46.7 km
Oliance	e-Payme	The Project Propone e letter from the Off hief Conservator of vide letter no. A/GM dated 27.01.2023 ce rest turtle rearing/br d at a distance of ab	Forest, Bhavnagar MN/T11/2075/22-23 rtifying that the nea eeding site is locate
Coastal Regulation Zone (CR	Z) No	m the mines. The Project Propone e letter from the Go	ı
		e letter from the Go t, Forest and Enviro no.ENV-10-2023-17 23 stating that the mining at Padhiarka se (333.24 ha), Distr tside CRZ area.	nment Dept vide Lr 70-T dated 19.07.20 proposed project of & Doliya mine lea

Schedule-I species (No.s and na me of schedule-I species with aut henticated letter)	Yes	The Project Proponent has submitted the authenticated list of flora and fauna from the Office of the Deputy Forest Conservator vide Lr.No: A/Jaman/Te.11/23 02/17-18 dated 05.02.2018 stating that there are three Schedule-I species such as Peafowl, Chinkara and Asiatic lion in the study area. After the amendment of the Wild Life (Protection) Amendment Act, 2022, No 18 of 2022, a number of additional species have been added into ScheduleI such as Leopard, Striped hyaena, Jackal, Bengal fox, Indian porcupine, Jungle cat, Grey wolf, Dog faced water snake, Russell viper, Checkered Keelback, Indian Rat snake, Red sand boa and Naag/cobra. Peafowl, Chinkara and Asiatic lion & a s per Wildlife ProtectionAmendment A ct, 2022, schedule-I species have been updated in WLCP.
Wildlife Conservation Plan	Yes Yes GF	On the basis of the fauna study findings & list of fauna authenticated by Forest Department, Wildlife Conservation Pla n was prepared and submitted for appro val. The said Wildlife Conservation Pla n had been approved by the Forest Department on 20.12.2021. Rs. 19.9 lakh h as been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Rs.19.9 Lakh to Rs.65.9 Lakh for all 3 m ines. The Wildlife Conservation Plan was approved by the Chief Wildlife Warden vide Lr.No: WLP/32/C670-672 dated 20. 12.2021 with a budget of Rs. 19.9 Lakh s for the conservation of wildlife in the study area.
Proposed area for green belt/planta aplings proposed	tion and no. of s	30.00 На.
Budget for green plant & plantation fe of mine.	till the end of li	90.95 Lakhs
Budget for nursery		-

Details of existing plantation and its survival rate	-
No. of tree cuts in the mine lease area and compens atory afforestation	As per actual during mining
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10.0
50 m safety zone of nallah, roads, electric lines	10.0
500 m safety zones of nearest habitation villages	-
Additional information (if any)	10.00 ha(Backfilled area (Govt. wastela nd))
Baseline Data (Air / Water / Noise / Soil / Hydro geo	ological study/ Traffic Study/ others)
Period of baseline data collection	01.03.2021 to 02.06.2021
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and results	16
Noise level (no. of locations) and results	16
Water Quality (no. of locations) and results	15
Soil Quality (no. of locations) and results	12
Hydro geological study and results	As per planned mining and Report of hyd rogeological & hydrological studies of co re and buffer zone of Gujarda, Dudheri & Dudhala limestone mine, the ground wate r table may get Intersected in post monso on during 11th year at conceptual pit bott om level of +1.0 AMSL. However, conce ptual pit bottom level will be kept above ground water level i.e. +4.0m AMSL to a void intersecting ground water level.
Traffic study (no. of locations) and results	The traffic volume survey was conducted on Bhavnagar to Una Road (NH8E/51) N ear Vangar Village. Total numbers of vehicles were found as 6793 per day and equivalent PCUs is 9382 per day. There will be daily movement of 480 numbers of dumpers (to & fro) per day or 1440 PCU/ day

		on the road. 01 location & V/C = 31.27
Advertisement for PH with date (name or national daily and one regional ve daily newspaper)	3	26.03.2023 in Sandesh Newspaper & Indian E xpress
Date of PH		28.04.2023
Venue		At the premises of Nirma Cement Plant Area, NH 8E/51, Survey No. 80, Village: Padhiyark a, Taluka: Mahuva, Dist. Bhavnagar
Chaired by	(C	District Collector & District Magistrate, Bhav nagar District & Regional Officer, GPCB Bha vnagar
Main issues raised during PH	RI	Air pollution, salinity ingression, wildlife prot ection, acquisition of agriculture land
Budget proposed for addressing issue during PH over 3 years	es raised	Rs. 77 Lakhs
Particulars	Details of Letter along with date of grant and validity	
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upt o 24/01/2028.	
Consent to Operate		
Certified Compliance Report and In spection date	Protect	s if She 15 P
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Fresh m	ine RE
R & R details	Govt. 6 ha.l 00.61 ing 03 uses/l fall ir ll be t ill be wi x. tota on to nd ho	otal mine lease area is 332.24 ha, out of which land is 133.0154 ha and Private land is 199.224 Land will be required for quarrying an area of 1 ha of Private land and Government land includ 3 houses/hutment in Padhiarka village and 27 ho nutment in Doliya villages. The houses/hutment is the conceptual pits of the mine lease. There wi otal of 683 project affected land losers. There wi direct purchase or leasing of private land, with tilling consent of the private land owners. Approal compensation will be Rs 35.0 Lakhs. In additionabove, the registration cost of sale of the land a mesteads shall be borne by the Company. Assu it to be 6% of theentire costs of sale, the total re

	settlement budget works out to be Rs. 59.93 lakhs (6% of land value).
Court Case, No and its present status	The Project Proponent has submitted an undertaking vide letter dated 07.10.2023 stating that there is no lit
Undertaking by Project Proponent w.r. t court case	igation on the project either at NGT or any other cour t of law related to environment and pollution matters in which the project proponent is a respondent.
Affidavit as per Ministry's OM dated 30.05.2018	The Project Proponent has submitted an undertaking by way of notarized Affidavit dated 09.10.2023 statin g that the proposal does not involve violation of Mini stry's OM dated 30.05.2018.
Undertaking by Project Proponent in E IA/EMP report	The Project Proponent has submitted an undertaking vide letter dated 04.01.2023 stating that the contents (information and data) as given by the Consultant in the EIA/EMP report are factually correct with full knowledge of the undersigned (Shri Ashish Desai).
Undertaking by Consultant in EIA/EM P report	The Director of the EIA Consultant (M/s Centre for Envotech & Management Consultancy Pvt. Ltd) has i nformed that the baseline data was generated by MoE F &NABL Accredited Laboratory M/s Min Mec R&D Laboratory, a division of Min Mec Consultancy Pvt. Ltd., New Delhi and the same has been verified and also confirmed that he shall be fully accountable for any misleading information mentioned in this state ment.
Plagiarism Certificate	Potectors since to

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S. No	Observation of EAC in th e 21st meetin g held during 18-20th Octo ber, 2023	Reply by Project Proponent
1.	The site visit report of the subcommitte e.	Site visit has been conducted by subcommittee on 22nd - 25th December, 202 3.
2.	Since the min e site is locat ed within 20	Project Proponent has submitted a letter for issuance of NoC/Clearance from Ministry of Defence vide application dated 10.11.2023.

km from seab We also have submitted letter to Department of Geology & Mining, Govt.of oard frontier. Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defens the Project Pr e, Govt.of India vide application dated 07.12.2023. oponent shall As per our understanding, there is no clarity or guideline in respect of process submit No O to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our hu biection Certi mble request is that issue the EC without condition of obtaining NOC from M ficate from M oD. inistry of Def ense for consi deration of th e instant proj ect. 3. The Project P The mine is captive mine to proposed cement plant at Mahuva and Highgrade roponent nee limestone to be used in company's own existing Soda Ash plant located at Ka ds to submit t latalay, Bhavnagar as per permission accorded by the Govt. of Gujarat vide le he action for tter dated: 17.08.2023. laying comm The cement plant is adjoining to the mine lease while the Soda ash plant is lo on Over Land cated around 100 km away and accessed through National Highway. Belt Conveyo r (OLBC) for Establishment of cement plant may take some time as the appeal is pending b transportation efore Hon'ble Supreme Court while the soda ash plant is already operational. of mineral fro Hence, till the commencement of proposed cement plant, maximum 5% i.e. 4 m mine lease 50 TPD chemical grade limestone will be transported through dumpers @18 t area to the Ce rips per day via existing village road of 7 m (out of which 4 m is black toppe ment Plant. T d) to National Highway and ultimately Soda Ash plant at Bhavnagar. he Project Pr oponent also Company is very much keen to establish cement plant as early as possible & needs to sub will produce & consume required limestone for cement manufacturing on its mit the action highest rated capacity. plan for expa We assure your kind authority that we will widen the black top of the existing nsion of road village road from mines to National Highway prior to commencement of Prop with a width osed Cement Plant. Section plan of proposed road black top widening has bee of 7m and by passing the vi n submitted to the MoEF&CC. llage road till Also, as discussed during the EAC meeting, we will explore the possibility of the commissi Over Land Belt Conveyor (OLBC) on either side of the highway based on the on of the Ove technical possibility & feasibility by reputed consultant. We are going to appr r Land Belt C oach M/s. Holtec Consultants for regulatory, commercial & technical feasibili onveyor (OL ty for above stated OLBC. BC). Since, the National Highway is under construction, we have submitted letter t 4. The Project P roponent nee o National Highway Authorities of India(NHAI) regarding grant of permissio n to provide Underpass near our cement plant entry point or any other option ds to explore the possibilit suggested by NHAI for transportation of raw material & finished product. Ac y of laying o knowledgment dated 23.10.2023 has been submitted. ver bridge ov er the Highw ay and shall s ubmit the per

Control bund (Samdhiyala bund) was constructen the year 2000 on Motpet Creek to prevent seandward side. On the landward side, rain water g
n the year 2000 on Motpet Creek to prevent sea
a water of Samdhiyala bund is being used during agriculture land owners and in other seasons the through borewell. For agriculture land which is farmers are extracting ground water through bo hich salinity & TDS are increasing in ground water through bo hich salinity & TDS are increasing in ground water through bo hich salinity & TDS are increasing in ground water strategy, after commencement of ceme ke deepening of 100 ha surrendered land out of also pledged to construct garland drains aroung his will improve the overall fresh water storage of a landward side. Regular desiltation of canal wing acity of Samdhiyala bund. In level of conceptual pit will be kept above ground etion. The work will be established by constructing give maintain present hydraulic gradient towards the coids left will act as natural water harvesting strainly stand and gradually percolate into the substant and gradually percolate into the substant around, which may be at a lower elevation. The ron landward side will be created, which will a cont, which may be at a lower elevation. The ining there is no possibility of salt water intrusing the salinity ingress control bund as well as his will not be disturbed & infact will significantly salinity ingress control bund.
pecific mitigation measures will be taken: ance of more than 0.5 km in the south of the sai side the CRZ area which is certified by GCZM is been issued to M/s Nirma ltd. from GCZMA. By of sea water coming to mine lease area which dhiyala Salinity ingress bund has been construction.
ight is the control of the control o

om Arabian S ea coming int o the mine le ase area.

ted on Motpet Creek to restrict backwater coming from Arabian sea towards l andward side. Therefore, there is no possibility of backwater from Arabian se a to come to mine lease area.

Hydrogeological monitoring network will be established by constructing piez ometers in and around the lease to monitor the water level & water salinity.

Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well.

7. The Project P roponent nee ds to revisit t he plan for ba ckfilling with clearly indica ting the voids area and the c apacity availa ble/required f or backfillin

g.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up t o 2025-26.

As per approved Mining Plan, Removal of soil and its disposal as below.

Year: FY 2021-22 to FY 2025-26

Removal of soil(cum):249806

Means of disposal: *Temporary stacking at one location near Proposed Pit no.

1.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha): 6.20

Year: FY 2026-27 to FY 2031-32

Removal of soil(cum):321894

Means of disposal: *Temporary stacking at one location till 2026-27 and the n, temporary stacked soil will be shifted for Backfilling.

Simultaneously Utilized for Back filling of shallow pits of around 4.0 m dept h Proposed Pit No. 6.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha):Nil

Total

Removal of soil(cum): 571200

Area covered under stacking (ha): nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period = 114.24 ha

Total soil removal envisaged till conceptual period = 0.57 million cum

(114.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha

Ultimate Dimensions of Pits at the end of conceptual period Pit No.: 1 Pit Area covered (ha):49.56 Pit Top (m AMSL):20 to 14 Pit bottom (m AMSL): 10 Pit Depth in in m: 10 to 4 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 2 Pit Area covered (ha):12.78 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 8 Pit Depth in in m: 5 to 3 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 3 Pit Area covered (ha):14.40 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 6 Pit Depth in in m: 7 to 5 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 4 Pit Area covered (ha):17.51 Pit Top (m AMSL):17 to 12 Pit bottom (m AMSL):11 Pit Depth in in m: 6 to 1 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 5 Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 6 Pit Area covered (ha):15.66

	Pit Top (m AMSL):10.5 to 4				
	Pit bottom (m AMSL):4				
	Pit Depth in in m: 6.5 to 0				
	Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha for en tire depth – 570000 cu.m				
	Total				
	Pit Area covered (ha): 114.24				
	Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m)				
8. The Project P roponent nee ds to revise t he activities p roposed unde r the Wildlife Conservation Plan. The Pro ject Proponen t also needs t o ensure that the Schedule-I species as p er the latest Wildlife Prot ection Amen dment Act, 2 022 shall also be included i n the Wildlife Conservation Plan for their conservation.	As advised, revised wildlife conservation plan incorporating the Schedule-I s pecies as per the latest Wildlife Protection Amendment Act, 2022 has been submitted.				
9. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The	Type of land: Private Land rate, Rs. Lakh/ ha: 13.00 * Land requirement, ha: 100.22 Total Amount Rs. lakhs: 1302.86 Type of land:Government Land rate, Rs. Lakh/ ha: On mining lease Land requirement, ha: 14.02 Total Amount Rs. lakhs: _ Total				

Project Propo nent also nee ds to submit t he action pla n for land acq uisition and ti meline. Land

requirement, ha: 114.24

Total Amount Rs. lakhs:1302.86

Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates.

Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates.

Type of homestead:Pucca

Rate, Rs. /sq.m.: 10000

Approx. Homestead area**, sq.m.:360

Total compensation, Rs. lakhs: 36

Type of homestead:Semi pucca

Rate, Rs. /sq.m.: 5000

Approx. Homestead area**, sq.m.:360

Total compensation, Rs. lakhs: 36

Type of homestead: Kutcha

Rate, Rs. /sq.m.: 2000

Approx. Homestead area**, sq.m.:360

Total compensation, Rs. lakhs: 36

Total

Approx. Homestead area**, sq.m.: 360

Total compensation, Rs. lakhs: 36

Company will consider homestead losers falling in proposed mine area on act ual basis at the time of starting of mining activity and such homestead losers s hall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehab ilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr. No: 1

Timeline for land requirement(present)

Sr. No.:1.1

Timeline for land requirement(present): purchased

Pvt. Land:49.49

Govt. land:0

Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67

Govt. land:0

Total: 25.67

Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0

Govt. land:115.67

Total: 115.67

Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21

Govt. land:0.02

Total: 54.23

Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual stage -11th ye

ar

Pvt. Land: 102.70

Govt. land:14.04

Total: 116.74

Sr. No.:2.3

Timeline for land requirement(present): Minelife (up to lease period)

Pvt. Land: 565.94

Govt. land:115.67

Total: 681.62

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, compan y has obtained surface rights for mining by purchasing land/consent in some o f the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

The Project P roponent nee ds to submit t he action pla n for year wis e exploration program.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up t o 2025-26.

Looking towards the systematic exploration of the entire area, 182 nos. of Cor e Bore Holes has been proposed in the area in order to bring the ML area with in G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per a pproved mining plan.

The deposit is sedimentary origin and simple in nature, therefore boreholes ar e kept at an interval of 200m grid pattern. A total of 182 number of Core Bore holes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be a t an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 20 0m interval.

Program of Future Exploration

YEAR:2021-22 to 2025-26

No. of BH:

PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77

Grid Interval:400 m

Total Meterage: Up to +1.0 MRL

YEAR:2021-22 to 2025-26

No. of BH:

PBH-37,41,43,61,66,79, 81,83,96,100,115,117,119,121,143,141,139,137,135, 133,167,165,163,169,171,173,179,181

Grid Interval:400 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-18,19,20,21,22,23, 27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,62-6 5,67,71-74,76,93,94

Grid Interval:200 m

Total Meterage: _

	KYA	YEAR:2021-22 to 2025-26 No. of BH: PBH-68-70,82,84,78,80, 85-92,95,97-99,101-116, 118,120,122,123,124-127 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-178,180,182 Grid Interval:200m or below Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m Grid Interval:_ Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on grant of
ro ds he e le d at ut C: ac	he Project P oponent nee is to submit t e copy of th permission of the St e Govt. for tilization of hemical Gr de of Limest ne for non-c ment purpos	EC and try to accomplish within shorter period if conditions are favorable. The location of Proposed BH is depicted in Surface Geological plan of the ap proved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. Permission accorded by the Govt. of Gujarat vide order dated: 17.08.2023 for utilization of Chemical Grade of Limestone for non-cement purposes has been submitted.
12 Ti ro ds a he	he Project P oponent nee is to submit letter from t e Departme t of Geology	The company has not carried out any mining within the lease area much less a ny illegal mining in the lease area. There are old pits pre-dating the allotment of the lease to the company, which were received in legacy and shown in the present surface geological plan. Request letter in this regard has been submitt ed to Department of Geology and Mining, Government of Gujarat on 03.11.2 023. Acknowledgement of the same has been submitted by the Project Propon

and Mining, ent. Government of Gujarat cla rifying wheth er any illegal mining withi n the mine le ase area has b een carried o ut or not and whether the s ame has been carried out by M/s. Nirma L imited or no t? Site Visit Recommendation Reply by project proponent 1 Action plan and Timeline indicating the purchase /obtain surface rights of lan PP should su bmit an actio d for mining for all three mining leases to initiate mining activities has been s n plan and ti ubmitted by the Project Proponent. meline to indi cate the purc hase of lands across all thre e mining leas es wherein it has proposed mining pits to initiate minin g activities si nce as on dat e PP has only purchased / o btained surfa ce rights over 101.1967 Ha out of 1351.6 489 of Privat e Agriculture Land. 2 Since PP envi In said mine, survey has been conducted & one pit i.e. Pit No. 6 (Pit area -15. 66 Ha) will have shallow depth pit and will be backfilled for entire depth of p sages to hand over the land its, looking to availably of soil for backfilling with shallow • Pit no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire depth. quarry havin g depth upto Action plan for backfilling of shallow depth pits of depth up to 4.0 m and han 4m to landow ding over to farmers for agriculture has been submitted by the Project Propon

ners for farming and mostly all three mining leases are having agricultural land. PP is requested to conduct a survey to indicate the present status and number of low-lying areas, their respective which may be backfilled with available capacity of top soil/overburden and can be handed dover to farmers for agricultural purpose.	e-KYC CAR R I Y E S R I Z GRA PREMITA
Project Proponent needs to provide year wise exploration plan for a ll the three mining leases.	
4 Since, Bhavn agar falls und er severely P olluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water sprinklers across the haul roads in all three mini	Chitra Industrial area (severely polluted area) in Bhavnagar city is located aro und 100 km away from our said mining lease area. On initial stage, company will engage water tanker with sprinkler arrangemen t to suppress the dust on haul road and company will make provision of perm anent water sprinklers across the haul roads in all three mining leases.

	ng leases.			
5.	Since, Bellur and other sch ools are in cl ose proximity to mine lease area, PP shall ensure that ne cessary safet y measures ar e taken as per DGMS norm s for all three mining lease s.	ompany will ensure to maintain require safety measures & distance from Be ar School & other schools as per DGMS norms for all three mining leases d ing mining.		
6.	PP shall ensure to construct bunds near the existing low lying areas that has developed into wether land to prevent the ingress of sea water in Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri & Dudhala limest one mine lease area.	The low lying area is where the rain water accumulates temporarily during m onsoon. These are not notified as wetlands either under Ramsar Convention or by Central Govt. or State Govt. Hence, the identifications and provisions under Wetlands (conservation and Management) Rules, 2017 do not apply in this case as per clause 3 of aforesaid Rules. Moreover, Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area are located at a distance of more than 500 m from High Tide Line of sea & also this area (between sea and low lying area in our mining lease area) have higher altitude, therefore, there is no chance of sea water ingress in mining lease area. However, company will construct bunds as and when required.		
7.	The project P roponent nee ds to submit the integrated management plan describing the strategies and actions for achieving wise use of the wetland and the plan shall include o	There is no Ramsar convention/ Central or State Government notified wetlan d in and nearby our mining lease area. The water bodies such as river channel s and human-made water bodies (such as submergence areas of Samdhiyala B andahara, Malan Bandhara) are excluded from the definition of wetlands as p er Wetlands (Conservation and Management) Rules, 2017. There are low lying areas, in which rain water accumulates temporarily durin g monsoon. Mining activity will contribute towards enlargening & deepening such areas in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala making a positive contribution to fresh water st orage. The company does not intend to have any other use for these low lying areas. As part of the integrated management plan for protection of water logged area		

bjectives of t he site manag ement, mana gement actio ns required to achieve the o bjectives, fact ors that affect s, or may affe ct, the variou s site feature s, monitoring requirements for detecting changes in ec ological char acter and for measuring th e effectivenes s of manage ment, and res ources for ma nagement im plementation.

s in and around the project, following steps shall be undertaken:

1 Company will not do mining below 2 m AMSL in this low lying area so that there is no salinity ingress due to mining activity.

l Piezometer will be installed at designated locations to monitor changes in gr ound water level.

1 Other allied activities such as transportation will be carried out by maintaini ng safety distance from this low lying area

1 In this area of Gujarat, water logging due to rain water is a common phenom enon and resident water birds take advantage of such seasonal water logging to feed. Hence, company has proposed several measures as part of the wildlife conservation plan, with 3-year budget, as follows:

1 Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 lakh s)

1 Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs)

l Assisting Plantation activities to be carried out by Forest Department, Bhavn agar (Rs. 1.5 lakhs)

1 Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lakhs)

l Provision of equipments, camera, binoculars for efficient monitoring and ec o-tourism promotion (Rs. 7.5 lakhs)

1 Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lakhs)

1 Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs)

1 Public education and awareness programmes for the following - Avoiding pl astic, Recycle and reuse, Reduce usage of pesticide and weedicide, Conse rvation of Wildlife, Garbage control (Rs. 3 lakhs)

Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs)

8. PP needs to e ngage and im part skill amo ng the village rs and local p opulation mai nly the land l osers and als o submit a pl an for their al ternate livelih ood arrangem ent since mos t of them will be losing thei r fertile land

S.

Company will not acquire any agriculture land through land acquisition by G ovt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates.

Land owners may purchase agriculture land in nearby area in the amount which is to be paid to them against their land and can continue their livelihood.

Company will give priority to engage land owners who have given land for m ining purposes as per requirement of manpower for mines.

Also, company will arrange to impart training to build capacity for self-emplo yment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry f arming, etc.] to land losers and will facilitate vocational training along with s kill development for getting better job opportunities (Budget Rs. 3 lakhs/yea r).

9.	PP should widen the existing village roads before using it for transportation in all three mining leases, whe rever widening is not possible, PP shall submit an action plan for making alternate roads.	On initial stage, company has proposed to mine out limestone for Soda ash pl ant in lower capacity and company will use existing village road for transport ation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 18 numbers of trips/day maxi mum in this mine. Company will widen the existing village road or make alternate road in all thr ee mining leases on installation of cement plant. Section plan of the road wide ning has been submitted by the Project Proponent.		
10	PP should en gage wildlife experts/ avia n experts for conservation of the avian f auna within a nd near its mi ne lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.		
11	PP shall plant native fruit b earing plants across all the proposed green patches.	Native fruit bearing plants will be planted across all the proposed green patch es.		
12	PP shall put b oundary pilla rs across all mining lease s.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars co-ordinates through the DILR / Stat e Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/ removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.		
13	The project p roponent nee ds to submit a letter from t he Departme nt of Geology & Mining, G ovt. of Gujar at, clarifying whether any i	The company has not carried out any illegal mining in the lease area and request letter to provide required certificate regarding no mining carried out by company or others has been submitted to the District Geologist, Department of Geology and Mining, Government of Gujarat, Bhavnagar vide letter dated: 0 1.11.2023. In turn, the District Geologist, Bhavnagar has submitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024 to communicate the same to MoEF and copy endorsed to us. As per his report, No case of Illegal mining of limestone mineral has been registered within the mining lease area against the company M/s Nir ma Limited or against any other individual or entity.		

	llegal mining within the mi ne lease area has been carried out or not and whether the same has been carried out by M/s N irma Limited or not?	Copy of our submitted letter dated: 01.11.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bhavnagar dated 01.02.2024 has be en submitted by the Project Proponent.
14	PP needs to s ubmit plan to transport crus hed limeston e from all the three leases t o plant.	The mine is captive mine to proposed cement plant at Padhiarka, Mahuva and High grade limestone to be used in company's own existing Soda Ash plant I ocated as Kalatalav, Bhavnagar. The cement plant is adjoining to the mine lease while the Soda ash plant is lo cated around 100 km away and accessed through National Highway. Establishment of cement plant may take some time while the soda ash plant is already operational. Hence, till the commencement of proposed cement plant, maximum 5% i.e. 4 50 TPD limestone will be transported to Soda ash plant located near Bhavnag ar through dumpers @18 trips per day. The trucks will pass through existing Dudhala - Amrutvel village road of 7 m width (out of which 4 m is black topp ed) for around 1.0 km and meet National Highway no. 51, from where the truck will move around 100 km.
15	PP needs to t ake some me asures to kee p the migrati on bird ponds un harmed and protected by activity of mining in fut ure.	Migratory birds are seen in Malan Bandhara as well as other nearby Bandhara areas, which areas located at distance of 1.5 km and 4.5 km from our mining l ease area, respectively. Birds are also seen in low lying area, in which rain water accumulates tempor arily during monsoon. However, they are pre-dominantly resident water birds. The company is committed to the measures proposed in the site specific wildlife conservation plan (summarised in point 7 earlier), which include points related to protection of shallow ponds, ecology and birds. The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudhe ri & Dudhala will provide more area to birds. Also company will ensure that transportation will be carried out by maintaining safety distance from low lying areas.
16	PP needs to i nstall water tr eatment plant to reduce the hardness of w ater.	Drinking water is provided in every nearby villages through Narmada water p ipeline by the State Govt. and drinking water requirements for mines shall als o be fulfilled through Narmada water pipe line which is passing through near by area. Hence, presently there is no proposal to use the hard ground water. H owever, if any requirement sought in future we will provide treatment plant.

PP needs to e xplore possib ility of deplo ying surface miners for mi ning.

Company has proposed mining with surface miner (50% quantity) in IBM ap proved mine plan and also in EIA report. Company explored use of Ripper do zer for cement plant use to eliminate drilling & blasting in the remaining 50% and committed the same in point no. 3, Specific Terms of Reference received from MOEF&CC vide Letter no. J-11015/154/2016-IA. II(M) dated Novemb er 28, 2022.

For soda ash plant, we need sized limestone i.e. 25 mm to 100 mm, so surface miner cannot be deployed for limestone mining for Soda ash plant use. Howe ver, company will deploy rock breaker to avoid blasting during mining.

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)	
Pollution Control	0.291	10.12	
Pollution monitoring	0.016	3.88	
Occupational health	0.014	0.95	
Environmental Studies, etc.	0.10	Ċ. –	
Green belt		5.10	
Reclamation		10.03	
Others (Environmental studies, Reha bilitation, Realignment, Expert advic e, fencing etc.		5.48	
Overheads	Protects of She 15	0.32	
Total	0.421	35.87	
Particulars	(Rs. In Crore)	Store,	
Total cost of EMP (Capital Cost of EMP + c st of Public hearing)	apital co 1.19	5-1	
Project Cost	25	25	
Employment (No.s)	84	84	

3.3.3. Deliberations by the committee in previous meetings

Date of EAC 1:19/10/2023

Deliberations of EAC 1:

The Project Proponent/Consultant presented the KML file to indicate the site features in the study area of 10 km radius. The Project Proponent has shown the boundary of the mine lease area and informed the EAC that the NH-51 (Una-Mahuva highway) is located at a distance of 0.7 km, N from the mine lease area. Madhiya Village is located at a distance of 0.5 km, N. Arabian Sea Coast is located at a distance of 0.5 km, S from the HTL and Bhambhali River is located at a distance of 3.6 km, W. A man made reservoir is located within 5km radius of the mine lease area on the eastern direction. Samdiyala Salinity ingress control bund is situated on the western side on the mine lease area. Part of the Doliya Village is located within the mine lease area on southern side. No mining activity is proposed in the side of the Doliya Village. Nearest distance of the village from the mine pit is 700m.

The EAC noted that Arabian Sea and there are few water bodies are present in the vicinity of the mine lease area and asked the Project Proponent whether there are any backwaters from Arabian Sea coming into the mine lease area or not. The Project Proponent has informed the EAC that the water within the mine lease area is due to accumulation of rain water that was accumulated during the rainy season and tends to remain during January - February. Water gets dried during summer season. The Project Proponent also shown the historical images of rainwater accumulation for different months over the past years. The mine pit elevation is 4-6m above MSL. Depth of mining proposed is 11 m. Water gets accumulated in the natural low lying areas. The EAC asked about the thickness of the over burden. The Project Proponent has informed the EAC that the average thickness of the over burden is varying between 1-1.5m. The EAC asked the Project Proponent that whether the enough material will be available for backfilling up to a depth of 11m. The Project Proponent has informed the EAC that the entire 11m will not be backfilled and only part of the area will be backfilled. The shallow pit of depth<4m will be backfilled i.e., Pit -2, 3 and 4. Backfilling is proposed after 2026-27/2027-28. Backfilled area shall be utilized for agriculture in case of private land and for plantation purpose in case of government land. Existing minerals were assessed through exploration carried out by CGM, GoG. Old mine pits are also existing within the mine lease area. The EAC asked the Project Proponent to submit the action plan for year wise exploration program.

The EAC asked to brief about the mode of transportation. The mined out material will be transported to the crusher proposed in the cement plant by internal haul road by means of dumper/tippers of 25 tonnes capacity and then from crusher to the Cement plant (adjacent to the mine lease) by conveyor. Village roads will be used for transporting the mined out material from different pits. The EAC asked about the width of the transportation road. The Project Proponent has informed the EAC that the existing width of the road is 4m which will be not adequate to transport the material. Hence, the lands adjacent to this road will be purchased and the width of the road will be increased to 6m. The dividers will be made in between transportation road. The Cement Plant is yet to be constructed and these lands will be purchased for expansion of road only at the time of construction of the cement plant. The EAC asked the Project Proponent till then how the mined out Limestone will be utilized. The Project Proponent has informed the EAC that there are two grades of Limestone such as Chemical Grade Limestone and Cement Grade Limestone available in this project. For utilization of Chemical Grade of Limestone for non-cement purposes, permission has been obtained from the State Govt. The company is having its Soda Ash manufacturing plant located at Bhavnagar at a distance of 100 km from the mine lease area. This manufacturing plant requires Chemical Grade Limestone. Hence, the Chemical Grade of Limestone from this instant mine will be transported to the Soda Ash manufacturing plant located at Bhavnagar through National Highway 51. The EAC asked the Project Proponent to increase the width of the road to 7m. The EAC asked the Project Proponent that when will the Cement Plant will be commissioned. The Project Proponent has informed the EAC that matter regarding Cement Plant is pending before the Hon'ble Supreme Court.

The EAC asked the Project Proponent to show the KML file of other two adjacent mine leases by overlapping with the KML file of the instant project. The Project Proponent has informed the EAC that the Vangar & Madhiya Limestone Mine is proposed on the northern side and Gujarda, Dudheri & Dudhala Limestone Mine is proposed on the eastern side of the mine lease area to this instant mine lease

belonging to M/s Nirma Ltd. The Project Proponent also shown the proposed mine pits in Vangar & Madhiya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. A Cement Plant is proposed on the western side of the mine lease area. Internal haul roads passing through the mine lease area will be used for transportation. The EAC asked the Project Proponent to bypass the village road for transporting the material. The EAC also asked the Project Proponent that whether any school is present within the mine lease area or not. The Project Proponent has informed the EAC that a primary school is located in the village Vangar. A safety distance of 50m will be maintained. Greenbelt will be developed all along the school. No drilling and blasting will be practiced. Only Surface miner as well as ripper/dozer & rock breaker will be used. The EAC opined that there should be no activity of drilling and blasting near school premise.

The Project Proponent has informed the EAC that the Life of the mine will be 11 years and may increase subject to exploration. Marly Limestone occurs in mine lease area. The limestone is of the high / cement grade quality and is followed by Marly Limestone/ Marl. The Limestone production will be restricted till the commission of the Cement plant. The EAC asked the Project Proponent that how the Limestone will be sized and will be sent to the Soda Ash Plant. The Project Proponent has informed the EAC that by using the rock breaker the limestone will be sized and sent to the Soda Ash Plant. The EAC was of the view that the activities proposed under the Wildlife Conservation Plan is generalized and the Project Proponent needs to revise the activities of the Wildlife Conservation Plan which should be site specific. The EAC also asked the Project Proponent to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservation Plan for their conservation. Turtle breeding centre is located about 70km from the mine lease area. The total mine lease area is 332.24 ha, out of which Govt. land is 133.0154 ha and Private land is 199.2246 ha.Land will be required for quarrying an area of 100.61 ha of Private land and Government land including 08 houses/hutment in Padhiarka village and 27 houses/hutment in Doliya villages. The houses/hutment fall in the conceptual pits of the mine lease. There will be total of 683 project affected families. There will be direct purchase or leasing of private land, with the willing consent of the private land owners. Approx. total compensation will be Rs 35.0 Lakhs. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for R&R. Budget proposed for addressing issues raised during public hearing is Rs 77.0 Lakhs over 3 years and the cumulative budget will be Rs 160 Lakhs by comprising all three mines.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that the project is part of three contiguous projects namely Padhiarka and Doliya Limestone mine (332.24 ha), Vangar & Madhiya Limestone Mine (612.336 ha) and Gujarda, Dudheri & Dudhala Limestone Mine (681.62 ha) and together it extends over an area of 1626.196 ha. The mine lease area comprises of partly Private Agriculture land and partly Govt. land. Part of the Doliya Village is located within the mine lease area on southern side. Also villages are located close to the proximity of the mine lease area. The EAC was not convinced with the proposed backfilling plan and the activities proposed under the Wildlife Conservation Plan. The EAC observed that the pits are isolated and the mine lease area is partly Private and Govt. land. The EAC also observed that there will be direct purchase or leasing of private land with the willing consent of the private land owners. The EAC was of the view that what if the land owners are not willing to give their land. There are likely chances that mining will not take place sequentially if the land acquisition does not happen. There will be failure of scientific mining. Large no. of Project Affected Families is involved in all these projects. The EAC opined that the Saltwater intrusion through surface or ground water sources may diminish the availability or quality of source waters for drinking water utilities. Some salt pans i.e., salt manufacturing industries and few wind mills exists in the study area. Old mine pits are also existing within the mine lease area. The EAC noted that the Bhavnagar is categorized as a Severely Polluted Areas. The EAC reiterated the Ministry of Defence letter dated 08.05.2023 regarding security considerations for construction activities/other activities in Border areas/other areas wherein it has been mentioned that "all activities connected with mining within 20kms from all the borders including seaboard frontier should be planned in consultation with Ministry of Defence". Accordingly, EAC opined that PP should obtain NOC from Ministry of Defence.

Thus the EAC opined that there is a need to ascertain the ground reality w.r.t natural low lying areas, water logging areas, old mine pits, sequence of mining, feasibility for backfilling, impact on socio economic, agriculture land, transportation route, traffic congestion, salt pans, effectiveness of salinity ingress control bund, proximity of habitations, schools, water bodies, roads etc., The EAC was of the view that a site visit needs to be conducted by a sub-committee comprising of EAC Members and officers from MoEF&CC. The EAC opined that the Ministry may constitute a sub-committee and submit its report to enable the committee to take a decision on the proposal. Therefore, the EAC **deferred** the proposal for want of following additional information: -

- i. The site visit report of the subcommittee.
- ii. Since the mine site is located within 20 km from seaboard frontier, Project Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- iii. The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).
- iv. The Project Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectiveness of the salinity ingress control bund.
- v. The Project Proponent needs to submit the site specific mitigation measures for backwaters from Arabian Sea coming into the mine lease area.
- vi. The Project Proponent needs to revisit the plan for backfilling with clearly indicating the voids area and the capacity available/required for backfilling.
- vii. The Project Proponent needs to revise the activities proposed under the Wildlife Conservation Plan. The Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservation Plan for their conservation.
- viii. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.
- ix. The Project Proponent needs to submit the action plan for year wise exploration program.
- x. The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for non-cement purposes.
- xi. The Project Proponent needs to submit a letter from the Department of Geology and Mining, Government of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not?

3.3.4. Deliberations by the EAC in current meetings

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21stEAC as well as the recommendation of the sub-committee. After

detailed deliberations, EAC **deferred** the proposal for the want of following information:-I. The Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.

- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- VII. The Project Proponent needs to submit time line for acquiring land from the villegers.

3.3.5. Recommendation of EAC

Deferred for ADS

3.4. Agenda Item No 4:

3.4.1. Details of the proposal

Vangar & Madhiya Limestone Mine by Nirma Limited located at BHAVNAGAR,GUJARAT				
Proposal For Fresh EC				
Proposal No	File No e-Paymen	Submission Date	Activity (Schedule Item)	
IA/GJ/MIN/443498/2023	J-11015/152/2016-IA-II(NCM)	13/09/2023	Mining of minerals (1(a))	

3.4.2. Project Salient Features

The proposal is for Environmental Clearance for mining of Limestone in Vangar & Madhiya Limestone Mine of M/s Limited for mining of Limestone with production capacity of 1.6 MTPA in the mine lease area of 612.1336 ha, located at Villages Vangar & Madhiya, Tehsil Mahuva, District Bhavnagar (Gujarat).

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
- i. The mine lease area is located between Latitude 21°01'44.54" to 21° 03' 40.04" N and Longitude 71°39'18.3"E to 71°41'05"E. The mine lease area falls under the Survey of India Toposheet No:

41 O/12 (restricted)and falls in Seismic Zone-III.

ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.

iii. Details of Terms of Reference (ToR):

Date of appl ication	Proposal No/ File No	Consideration b y EAC	Details of ToR	Date of acco
18.11.2022	IA/GJ/MIN/40 3568/2022	06.12.2022	Letter no. J-11015/152/2016-I A.II (M)	23 rd Decem ber, 2022

iv. Details of Mine Lease in chronological manner:

IV. Detail	Details of White Lease in chronological mainler.					
S.n o	Prospecting Lic ense/ Letter of I ntent (LoI)/ Gra nt of Mine lease and Lr No	Date of the g rant	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	MCR-102004-1 827-CHH	15.02.2008	Limestone	30 years	IMD, Govern ment of Gujar at	1225.8553
2	MCR-102004-1 827-CHH	08.01.2017	Limestone	50 years	IMD, Govern ment of Gujar at	612.1336
S. No		Details of grant of Mine Lease deed execution		f Grant	Name of the Mine	Mine lea se area in
	Deuse deed exec	Julion	From	То	ral	Ha Ha
1	MCR-102004-1 H	827-CH 11.0	01.2017	10.01.2067	Limeston e	612.1336

v. Land Use/Land Cover of the Mine Lease Area:

Private land	586.4789
Government land	25.6547
Forest land	Payments
Total Mining lease area (MLA), ha	612.1336
Private land for crusher, workshop & oth er infrastructure outside the MLA	No any facilities outside the ML area. However crusher will be installed at company's Cement Plant.
Additional information (if any)	

vi. Mining plan details:

Mining Plan inc luding Progress ive Mine Closu re Plan (approv	Letter No.	File No.: 684(4)(1)/MP-347(196)/2021-2 2 GNR/1125
	Date	05.08.2021

ed by Indian Bu reau of Mines/	Mineral & (Major/Minor)	Major	
DMG)	Mine Lease Area, Ha	612.1336	
	Validity	31.03.2026	
Mining Parame ters	Quantitative Description		
Method of Mini	Opencast mechanized		
Drilling/Blastin g	Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slu rry explosive- cap sensitive and non-cap sensitive.		
Geological Res erves	35.539 Million tonne		
Mineable Reser ves	14.913 million tonnes		
Breakup of Tot al Excavation (Topsoil/OB/S B/IB/Mineral R ejects/ Waste, MTPA)	Top soil- 0.99 million cum OB/SB/IB/Mineral Rejects- Nil Waste-Nil		
Life of mine	13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111)		
Mine Bench He ight & Bench Width	6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum		
No. of Mine Be	e-Payment	s e-Y	
Existing Depth, m bgl	New mine		
Ultimate Depth of Mining, m b gl	10 m		
Ground Water Table, m bgl	15 m (Post monsoon)		
Details of grou nd water interse	No ground water will be encountered during planning stage i.e. in 5 years of work ing plan in neither pre monsoon nor post monsoon season in any of the pits. Grou		

ction	nd water will also not intersect during mining at the end of mine life. However, the ground water table may get touched in post monsoon in pit no. 4 & 5 when the proposed conceptual pit bottom level of +1.0 m AMSL is achieved. To avoid any a ccidental intersection of ground water table, the Company has now decided to restrict mining depth to +2.0 m AMSL in pit no. 4 & 5.				
Individual benc h slope	80-85°				
Overall pit slop	~ 45°				
Details of existi ng/ proposed Cr usher	Proposed crusher will be installed at Cement Plant.				
Mineral Beneficiation					
RoM output siz	P A ZOTA PO				
Transportation details includin g capacity of du mper/tipper, mo de of transport and distance	Internal haul road from mine face to crusher and by conveyor from crusher to the Cement plant adjacent to the mine lease. For the Soda Ash Plant located at approx.100 km at Kalatalav, Bhavnagar limesto ne will be transported in dumpers/ trucks through National Highway 51. Internal haul road from mine face to crusher means of dumper/tippers of 25 tonne s capacity.				
Generation of T opsoil/OB & its Management d uring plan period & conceptual period	Top soil at 2 nd plan period- 840000 cu.m, temporary stacking at one location Top soil at conceptual period-380000 cu.m, simultaneously backfilling				
Generation of Mineral Reject s/ Waste & its Management d uring plan period d & conceptual period					
Additional info rmation(if any) Surface miner as well as ripper/dozer & rock breaker will be used for mining to m inimize drilling & blasting.					
vii. Water requirement:					
Total water requir	rement	42 KLD		Fresh water	3 KLD
				Treated water	39 KLD

Source	i. Fresh water source Narmada water pipeline/Water tanker. ii. Water harvested within mine lease during rainy season. iii. Treated water source- Reject water of RO /DM plant &Reject water of RO /DM plant (proposed at Cement plant)			ase during rainy season. water of RO /DM plant &Reject	
Permission for withdrawal/ inte rsection along with details of gr ant and its validity		Permission for water withdrawal from Narmada water pipeline has been taken vide letter No. GWIL/Bhavnagar/Ind.conn./1257 dated 4.06.2008.			
viii. Nearest village/town/ highway/	inter	state boundary/rail	way station/	water bodies/monument/ forest	
Particulars	Par	ticular's Name		Distance & Directions	
Village	,CY	Vangar Madhiya)	0.25 km, NW 0.25 km, SE	
Town		Mahuva		6.2km, ENE	
Highway	NH-51 (Una-Mahuva highway)		highway)	Within	
Interstate Boundary	Rajasthan		L S	Approx.500 KM,N	
Railway Station/Railway line	Amrutvel			2.0 km, N	
Water Bodies	Arabian Sea Coast		oast	3.4 km S to the HTL	
	Samdiyala Salinity ingress contr ol bund Bhambhali River Malan River		gress contr	2.3 km, SSW	
			ver	0.9 Km, W	
8 //			r ¹⁵	7.4 KM,E	
30,	Malan Bandhara		ara	5.4 KM,SE	
an _{Ce}	Garasawo River		ver	2.5 Km,NE	
Forest	RF near Patwa		va	2.1 KM,S	
		RF near Doliya		3.3 KM,SSE	
		RF near Dudheri		3.9 KM,SE	
	RF near Gujarda		rda	4.3 KM,SE	
		RF near Khared		6.3 KM,SE	
ix. Presence of Environmentally Sensitive areas in the study area					
Forest Land/ Protected Area/ Env nmental Sensitivity Zone				epartment mentioning the Lr no,	

		_		
Forest Land within the mine lease ar ea and (if yes) status of Forest Clear ance	No	The Project Proponent has submitted the I tter from the Office of the Principal Chie Conservator of Forests vide Lr.No: WLP/2/C826-827/2021-22 dated 13.01.2022 re		
National Park	No	arding the map showi	ing the location of pro Okm of the Limestone	
Wildlife Sanctuary	No		e and distance of prot	
Elephant/Tiger Reserve	No	Protected areas	Distance between Limestone mines a	
Eco-Sensitive Zone(ESZ) /Eco-Sens itive Area (ESA)	No	Gir National Park Gir Wildlife Sanct uary Mitiyala Wildlife Sanctuary	nd Protected areas 76.0 km 44.2 km 43.5 km	
Z Q A	RIV	tter from the Office of onservator of Forest, no. A/GMN/T11/207 023 certifying that the	at has submitted the le of the Deputy Chief C Bhavnagar vide letter 5/22-23 dated 27.01.2 he nearest turtle rearin ated at a distance of a n the mines.	
Coastal Regulation Zone (CRZ)	Yes Yes	he proposed project li 0.5 km from High Tid a Coast. The CRZ may y Institute of Remote rsity, Chennai.	.4 km S to the HTL T ies beyond distance of de Line of Arabian Se up has been prepared b Sensing, Anna Unive C- GCZMA letter no.E ated 19.07.2023	
Schedule-I species (Nos. and name of schedule-I species with authenticated letter)	e-Paymen	As per WLCP approved on 20.12.2021 (3 nos.): Peafowl, Chinkara and Asiatic lion Additional as per WPA amendment of 202 2 (9 nos.): Indian Leopard, Striped Hyena, Jungle Cat, Indian Fox, Jackal, Indian Grey Mongoose, Indian Porcupine, Indian Grey Wolf, and Eurasian Spoonbill The above have been updated in WLCP.		
Wildlife Conservation Plan	Yes	list of fauna authentic ment, Wildlife Conse was prepared and su The said Wildlife Co een approved by the 20.12.2021. Rs. 19.9 ed for the conservation udy area.	auna study findings & cated by Forest Depart ervation Plan (WLCP) bmitted for approval. Inservation Plan had beforest Department on lakh had been approved on of wildlife in the stupdated w.r.t. Schedu	

Proposed area for green belt/plantation and no. of saplings proposed Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compensatory afforestation Particulars for Green belt/plantation Area covered (in Ha) 7.5 m barrier & non-mineralized zone 16.50 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -		le-I species as per WPA amendment of 202 2 and budget allocation has been increased to Rs.65.9 Lakh for all 3 mines.	
Budget for green plant & plantation till the end of life of mine. Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compensato ry afforestation Particulars for Green belt/plantation Area covered (in Ha) 7.5 m barrier & non-mineralized zone 16.50 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -	x. Green belt/plantation details:		
Budget for nursery Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compensato ry afforestation Particulars for Green belt/plantation Area covered (in Ha) 7.5 m barrier & non-mineralized zone 16.50 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -		26.50 На.	
Details of existing plantation and its survival rate No. of tree cuts in the mine lease area and compensato ry afforestation Particulars for Green belt/plantation 7.5 m barrier & non-mineralized zone 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -		80.35 Lakhs	
No. of tree cuts in the mine lease area and compensato ry afforestation Particulars for Green belt/plantation 7.5 m barrier & non-mineralized zone 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -	Budget for nursery	-	
Particulars for Green belt/plantation 7.5 m barrier & non-mineralized zone 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -	Details of existing plantation and its survival rate	- C1.	
7.5 m barrier & non-mineralized zone 16.50 50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -		As per actual during mining	
50 m safety zone of nallah, roads, electric lines 10.00 500 m safety zones of nearest habitation villages -	Particulars for Green belt/plantation	Area covered (in Ha)	
500 m safety zones of nearest habitation villages -	7.5 m barrier & non-mineralized zone	16.50	
	50 m safety zone of nallah, roads, electric lines	10.00	
xi. Bas <mark>eline detail:</mark>	500 m safety zones of nearest habitation villages	SS	
	xi. Base <mark>line detail: </mark>		

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)			
Period of baseline data collection	01.03.2021 to 02.06.2021		
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer		
Predominant Wind direction (From)	South		
Ambient Air Quality (no. of locations) and results	Core zone (1 no.) - PM10 from 40.8 to 68.8 μ g/m³, PM2.5 from 21.7 to 37.4 g/m³, SO ₂ from 4.8 to 7.7 g/m³ and NO ₂ from 4.9 to 10.5 μ g/m³. Buffer zone (15 nos.) : PM10 from 27.6 to 7 1.7 g/m³, PM2.5 from 11.2 to 40.0 g/m³, SO 2 from 2.7 to 10.2 g/m³ and NO ₂ from 3.6 to 14.5 g/m³.		
Noise level (no. of locations) and results	16 Buffer zone: Between 47.57 dB(A) to 52.46 dB(A) during day time and 39.42 dB(A) to 4 2.89 dB(A) during night time.		

Water Quality (no. of locations) and results	15 (12 ground water and 3 surface) water sa mpling stations were monitored within the st udy area. All the parameters of ground water were well within the permissible limits as per IS 10500: 2012. The surface water quality in all samples was found B to below E class. The result indicates that the maximum and mini mum values of DO ranges between 5.8 to 6.3 mg/l, hardness ranged between 360 - 8300 m g/l in surface water.			
Soil Quality (no. of locations) and results	pH ranges between 7.7 - 8.2, Potassium rang es from 157.0 - 845.0 kg/ha and Nitrogen ran ges from 0.01 - 12.57 mg/kg			
Hydro geological study and results	As per planned mining and Report of hydrog eological & hydrological studies of core and buffer zone of Vangar & Madhiya limestone mine, the groundwater table may get touched in post - monsoon in pit no. 4 & 5 when the p roposed conceptual pit bottom level of +1.0 m AMSL is achieved. To avoid any accident al intersection of ground water table, the Company has now decided to restrict mining de pth to +2.0 m AMSL in pit no. 4 & 5.			
Traffic study (no. of locations) and results	The traffic volume survey was conducted on Bhavnagar to Una Road (NH8E/51) Near Vangar Village. Total numbers of vehicles were found as 6793 per day and equivalent PCUs is 9382 per day. There will be daily movement of 512 numbers of dumpers (to & fro) per day or 1536 PCU/day on the road.			
xii. Public Hearing (PH) Details:	1000			
Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	26.03.2023 in Sandesh Newspaper & Indian Express			
Date of PH	28.04.2023			
Venue	At the premises of Nirma Cement Plant Area, N H 8E/51, Survey No. 80, Village: Padhiyarka, Ta luka: Mahuva, Dist. Bhavnagar			
Chaired by	District Collector & District Magistrate, Bhavna gar District & Regional Officer, GPCB Bhavnag ar			
Main issues raised during PH	Air pollution, salinity ingression, wildlife protect			

		ion, acquisition of agriculture land		
Budget proposed for addressing issues raised during PH over 3 years		34 Lakhs		
Additional information (if any)		-		
xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:				
Particulars	Details of	f Letter along with date of grant and validity		

Particulars	Details of Letter along with date of grant and validity		
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upto 24/01/2028.		
Consent to Operate	- CAF		
Certified Compliance Report and Inspection date			
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Fresh mine		

xiv. Rehabilitation & Resettlement (R&R):

R & R details	For private land, company has obtained surface rights for
	mining by purchasing land/consent in some of the land
	& for remaining land, company is in process to procure o
7	wnership or surface right for mining on mutually agreed
2	commercial terms. Rs. 2466.88 lakhs cost envisaged for l
0 76	and (189.76 ha) and Rs. 48 lakhs approx. for homestead.
73	

xv. Court case details:

Court Case, No and its present status	The Project Proponent has submitted an undertaking vide letter dated 07.10.2023 stating that there is no litigation
Undertaking by Project Proponent w.r.t c ourt case	on the project either at NGT or any other court of law rel ated toenvironment and pollution matters in which the pr
	oject proponent is a respondent.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30. 05.2018	The Project Proponent has submitted an undertaking by way of notarized Affidavit dated 09.10.2023 stating that the proposal does not involve violation of Ministry's OM dated 30.05.2018.
Undertaking by Project Proponent in EI A/EMP report	The Project Proponent has submitted an undertaking vid e letter dated 04.01.2023 stating that the contents (inform ation and data) as given by the Consultant in the EIA/E MP report are factually correct with full knowledge of the undersigned (Shri Ashish Desai)
Undertaking by Consultant in EIA/EMP	The Director of the EIA Consultant (M/s Centre for Env

report	otech & Management Consultancy Pvt. Ltd) has informe d that the baseline data was generated by MoEF &NABL Accredited Laboratory M/s Min Mec R&D Laboratory, a division of Min Mec Consultancy Pvt. Ltd., New Delhi a nd the same has been verified and also confirmed that he shall be fully accountable for any misleading informatio n mentioned in this statement.
Plagiarism Certificate	

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2024 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S. N o	Observation of EAC in the 21 stmeeting held during 18-20 th October, 2023	Reply by Project Proponent
1.	The site visit report of the subcommittee.	Site visit has been conducted by subcommittee on 22nd - 25th December, 2023.
2.	Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit No Objection Certificate from Ministry of Defense for consideration of the instant project.	 We have submitted letter via registered post to Ministry of Defense, New Delhi, Govt.of India for issuance of NOC in this regard. Copy of the same is attached on Parivesh Portal. We also have submitted letter to Department of Geology & Mining, Govt.of Gujarat, Bhavnagar for recommen dation to issue NOC to Ministry of Defense, Govt.of I ndia. Copy of the same is attached on Parivesh Portal. As per our understanding, there is no clarity or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our humble request is that issue the EC without condition of obtainin g NOC from MoD.
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).	 The mine is captive mine to proposed cement plant at M ahuva and Highgrade limestone to be used in compan y's own existing Soda Ash plant located at Kalatalav, Bhavnagar as per permission accorded by the Govt. of Gujarat vide letter dated: 17.08.2023. (Copy attached on Parivesh Portal). The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and acc essed through National Highway Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court whe ile the soda ash plant is already operational. Hence, till the commencement of proposed cement plant, maximum 5% i.e. 265 TPD chemical grade limestone will be transported through dumpers @11 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately So da Ash plant at Bhavnagar.

	e-KYC	 Company is very much keen to establish cement plant as early as possible & will produce & consume required I imestone for cement manufacturing on its highest rate d capacity. We assure your kind authority that we will widen the bla ck top of the existing village road from mines to Natio nal Highway prior to commencement of Proposed Ce ment Plant. Section plan of proposed road black top w idening is attached on Parivesh Portal. Also, as discussed during the EAC meeting, we will expl ore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical poss ibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC.
4.	The Project Proponent needs to explore the possibility of laying over bridge over the Highway a nd shall submit the permission f rom the National Highways Aut hority of India (NHAI).	IVES TO THE TOTAL PROPERTY OF THE PROPERTY OF
5.	The Project Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectiveness of the salinity ingress control bund.	 Samdhiyala Salinity Ingress Control bund (Samdhiyala b und) was constructed by Government of Gujarat in the year 2000 on Motpet Creek to prevent sea water from coming towards landward side. On the landward side, rain water gets accumulated as well. Presently, the accumulated rain water of Samdhiyala bun d is being used during post monsoon by adjoining agri culture land owners and in other seasons they are extracting ground water through borewell. For agriculture land which is away from Samdhiyala bund, farmers are extracting ground water through borewell for agricul ture due to which salinity & TDS are increasing in ground water. As per company's water management strategy, after commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund. At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection. Hydrogeological monitoring network will be established by constructing piezometers in and around the pits to ma act by constructing garland drain around the pits to ma

		e-KYC	intain present hydraulic gradient towards ala Bund. After exhaustion of mineral, voids left water harvesting structures. Collected tand and gradually percolate into the r & in long term improve the quality of Positive pressure of fresh water on land created, which will aid in pushing batt, which may be at a lower elevation. In view of the above, due to mining the y of salt water intrusion in the area & the salinity ingress control bund as water gical system of bund will not be distuil significantly improve the effective gress control bund.	will act as natural I rain water will s sub surface wate of ground water. ward side will be ck the saline fron re is no possibility effectiveness of ell as hydrogeolourbed & infact wi
6.	The Project Propon submit the site spect n measures for back Arabian Sea coming ne lease area.	ific mitigatio waters from	In this regard, following site specific mit will be taken: Arabian sea is situated at a distance of 3 th of the said mine lease & it is outside. There was only one probability of sea mine lease area which is through Modhiyala Salinity ingress bund has been Motpet Creek to restrict backwater con ian sea towards landward side. There possibility of backwater from Arabia mine lease area. Hydrogeological monitoring network who by constructing piezometers in and a commonitor the water level & water saling possibility of fresh water on land created due to water storage in mine pid in pushing back the saline front as	8.8 km in the sou de of CRZ area. water coming to otpet Creek. Sam in constructed on oming from Arabetore, there is no in sea to come to define the community. Ward site will be outs, which will a
7.	s area and the capac	ity available/r	evisit the plan for backfilling with clearly in required for backfilling. Vt. of India, Gandhinagar has approved the	
	its letter dated: 05.0	8.2021 for the ning Plan, Re Remov Mea al of soil (mio. c um) Tem osec ill b f arc 5) ar	e period of 5 years i.e. up to 2025-26. moval of soil and its disposal as below. ans of disposal appropriate the property stacked soil we shifted for Backfilling of shallow pits of bound 4.0 m depth (Proposed Pit No. 4 & fter five year mine plan period. (As demo	Area covered under stackin g (ha) 4.63
	FY 2026-27 to		ated in map attached on Parivesh Portal). stacking proposal is envisaged as simult	nil

FY 2030-31		aneously backfilled material will be utilize	
FY 2031-32 to		d for shallow pits of around 4.0 m depth Pr	
FY 2033-34	0.38	oposed Pit No. 4 & 5) (As demonstrated in	nil
(conceptual stage))	map attached on Parivesh Portal).	
Total	1.37	-	nil

Looking towards availability of topsoil, backfilling of part area is envisaged. conceptual period = 197.00ha

•Total soil removal envisaged till conceptual period = 1.37 million cum

(197 Ha *0.7m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 36.36 ha

Ultimate Dimensions of Pits at the end of mine life

1	92.57	20 to 15	10	10 to 5	No backfilling proposal
2	40.84	15 to 13	7	8 to 6	No backfilling proposal
3	14.47	18 to 16	10	8 to 6 No backfilling proposal	
4	<mark>12.</mark> 76	11 to 7	2	8 to 4	No backfilling proposal
	16.84	7 to 6	3 to 2	4	Backfilling of Pit area of 16.84 Ha
		K	LY	E	for entire depth. (618480 cu.m)
5	19.52	9.5 to 7.5	2	7.5 to	Backfilling of Pit of 19.52 Ha for
-		3 1 8	K. 2017	5.5	4.0 m depth (751520 cu.m)
Total	197 Ha	- Be		189	36.36 Ha (1370000 cu.m)

8. The Project Proponent needs to r evise the activities proposed und er the Wildlife Conservation Plan. The Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 202 2 shall also be included in the Wildlife Conservation Plan for the ir conservation.

As advised, revised wildlife conservation plan incorporating the Schedule-I species as per the latest Wildlife Protect ion Amendment Act, 2022 is attached on Parivesh Portal.

9. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.

	Land rate, Rs.	Land	Total Amount
Private	13.00 *	189.76	2466.88
Government	On mining lease	7.24	-
Total		197.0	2466.88

*: Total amount given considering as per DLC rate. However, land will be procured/get conse nt for mining purpose on mutual agreed commercial rates.

Type of	Rate, Rs. /	Approx. Homestea	Total compensation,
		d	
Pucca	10000		
Semi pucca	5000	480	48
Kutcha	2000		
Total		480	48

^{**} Company will consider homestead losers falling in proposed mine area on actual basis at t he time of starting of mining activity and such homestead losers shall be compensated on mut

ually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial ter ms, therefore, they will have better economic strength to rehabilitate or reinvest the compensa tion amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr.	Timeline for land requirement	Pvt. Lan	Govt. La	Total, Ha
No.		d, Ha	nd, Ha	
1	Present			
1.1	Purchased	0	0	0
1.2	Consented	25.14	0	25.14
1.3	Leased	0	25.65	25.65
2	Future			
2.1	1 st to 5 th year mining	42.94	0	42.94
2.2	6 th year to Conceptual stage -13 ^t	194.36	7.24	201.60
	h year		CAR	
2.3	Mine life (up to lease period)	586.48	25.65	612.13

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

The Project Proponent needs to submit the action plan for year wise exploration program

The Indian Bureau of Mines, Govt. of India, Gandhinaga r has approved the Mining Plan vide its letter dated: 05.0 8.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 183 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, the erefore boreholes are kept at an interval of 200m grid pattern. A total of 183 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval

Program of Future Exploration

YEAR	No. of BH	Grid Inter	Total Meter
		val	age
2021-22 to	PBH-1 to PB	400 m &	Up to +1.0
2025-26	H-119	200 m	MRL
	PBH-120 to P	200 m	Up to +1.0
	BH -183		MRL

The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorte r period if conditions are favorable.

The location of Proposed BH is depicted in Surface Geolo

		gical plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. (Copy given on Parivesh Portal).
11.	The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for non-cement purposes.	Permission accorded by the Govt. of Gujarat vide order d ated: 17.08.2023 for utilization of Chemical Grade of Lim estone for non-cement purposes is attached on Parivesh p ortal.
12	The Project Proponent needs to submit a letter from the Depart ment of Geology and Mining, G overnment of Gujarat clarifying whether any illegal mining with in the mine lease area has been carried out or not and whether t he same has been carried out by M/s. Nirma Limited or not?	The company has not carried out any mining within the le ase area much less any illegal mining in the lease area. There are old pits pre-dating the allotment of the lease to the company, which were received in legacy and shown in the present surface geological plan (Copy given on Parive shiportal). Request letter in this regard has been submitted to Department of Geology and Mining, Government of Gujarat on 03.11.2023. Acknowledgement of the same is attached on Parivesh portal.

xviii. Compliance of Sub-Committee Site Visit Recommendation given in 25th EAC meting MoM held on 9th – 10th January, 2024.

Sr. No.	Recommendation of Sub-Committee	Reply by Project Proponent
1	PP should submit an action plan and time line to indicate the purchase of lands acro ss all three mining leases wherein it has p roposed mining pits to initiate mining act ivities since as on date PP has only purch ased / obtained surface rights over 101.19 67 Ha out of 1351.6489 of Private Agricu lture Land.	Action plan and Timeline indicating the purchase /obtain surface rights of land fo r mining for all three mining leases to init iate mining activities is attached on Pariv esh Portal.
2.	Since PP envisages to handover the land with shallow quarry having depth upto 4 m to landowners for farming and mostly all three mining leases are having agricult ural land. PP is requested to conduct a survey to indicate the present status and number of low-lying areas, their respective which may be backfilled with available capacity of top soil/overburden and can be handed over to farmers for agricultural purpose.	In said mine, survey has been conducted & 2 nos. of pits i.e. Pit No. 4 & 5 (total P it area -49.12 Ha) will have shallow dept h pit in Pit area -36.36 Ha, will be backfil led for entire depth / partial depth, lookin g to availably of Soil for backfilling. Pit no. 4 -16.84 Ha Pit area of 4.0 m bgl for entire depth out of total pit area of 29.6 Ha. Pit No. 5 – 19.52 Ha Pit area of 4.0 m bg l for entire pit area in partial depth. Action plan for backfilling of shallow de pth pits of depth up to 4.0 m and handing over to farmers for agriculture is attached on Parivesh Portal
3.	Project Proponent needs to provide year	Exploration plan of said mining lease is a

	wise exploration plan for all the three mining leases.	ttached on Parivesh Portal
4.	Since, Bhavnagar falls under severely Polluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water sprinklers across the haul roads in all three mining leases.	Chitra Industrial area (severely polluted a rea) in Bhavnagar city is located around 100 km away from our said mining lease area. On initial stage, company will engage wa ter tanker with sprinkler arrangement to s uppress the dust on haul road and compa ny will make provision of permanent wat er sprinklers across the haul roads in all t hree mining leases.
5.	Since, Bellur and other schools are in clo se proximity to mine lease area, PP shall ensure that necessary safety measures are taken as per DGMS norms for all three m ining leases.	Company will ensure to maintain require safety measures & distance from Bellur S chool & other schools as per DGMS nor ms for all three mining leases during min ing.
6.	PP shall ensure to construct bunds near the existing low lying areas that has developed into wetland to prevent the ingress of sea water in Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area.	Not applicable
7.	The project Proponent needs to submit the integrated management plan describing the strategies and actions for achieving we is use of the wetland and the plan shall include objectives of the site management, management actions required to achieve the objectives, factors that affects, or mean ay affect, the various site features, monit oring requirements for detecting changes in ecological character and for measuring the effectiveness of management, and resources for management implementation.	Not applicable
8.	PP needs to engage and impart skill amo ng the villagers and local population mai nly the land losers and also submit a plan for their alternate livelihood arrangement since most of them will be losing their fer tile lands.	Company will not acquire any agricultur e land through land acquisition by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates. Land owners may purchase agriculture la nd in nearby area in the amount which is to be paid to them against their land and can continue their livelihood. Company will give priority to engage lan

		d owners who have given land for minin g purposes as per requirement of manpo wer for mines. Also, company will arrange to impart training to build capacity for self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year).
9.	PP should widen the existing village road s before using it for transportation in all t hree mining leases, wherever widening is not possible, PP shall submit an action pl an for making alternate roads.	On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use existing village road for transportation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 11 numbers of trips/day maximum in this mine. Company will widen the existing village road or make alternate road in all three mining leases on installation of cement plant. Section plan of the road widening is a ttached on Parivesh Portal.
10.	PP should engage wildlife experts/ avian experts for conservation of the avian faun a within and near its mine lease.	Company has already engaged wildlife e xpert / avian expert for conservation of th e avian fauna within and near its mine lea se.
11.	PP shall plant native fruit bearing plants across all the proposed green patches.	Native fruit bearing plants will be plante d across all the proposed green patches.
12.	PP shall put boundary pillars across all m ining leases.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars coordinates through the DILR / State Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.
13.	The project proponent needs to submit a l etter from the Department of Geology & Mining, Govt. of Gujarat, clarifying whet her any illegal mining within the mine le ase area has been carried out or not and whether the same has been carried out by	The company has not carried out any ille gal mining in the lease area and request l etter to provide required certificate regar ding no mining carried out by company o r others has been submitted to the Distric t Geologist, Department of Geology and

	M/s Nirma Limited or not?	Mining, Government of Gujarat, Bhavna gar vide letter dated: 01.11.2023. In turn, the District Geologist, Bhavnagar has sub mitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Ga ndhinagar vide its letter dated: 01.02.202 4 to communicate the same to MoEF and copy endorsed to us. As per his report, N o case of Illegal mining of limestone min eral has been registered within the minin g lease area against the company M/s Nir ma Limited or against any other individu al or entity. Copy of our submitted letter dated: 01.1 1.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bh avnagar dated 01.02.2024 is annexed on Parivesh Portal
14.	PP needs to submit plan to transport crus hed limestone from all the three leases to plant.	The mine is captive mine to proposed ce ment plant at Padhiarka, Mahuva and Hi gh grade limestone to be used in compan y's own existing Soda Ash plant located as Kalatalav, Bhavnagar. The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed throu gh National Highway. Establishment of cement plant may take s ome time while the soda ash plant is alre ady operational. Hence, till the commencement of propos ed cement plant, maximum 5% i.e. 265 T PD limestone will be transported to Soda ash plant located near Bhavnagar through dumpers @11 trips per day. The trucks w ill pass through existing Madhiya - Amru tvel village road of 7 m width (out of whi ch 4 m is black topped) for around 1.0 k m and meet National Highway no. 51, fr om where the truck will move around 10 0 km.
15.	PP needs to take some measures to keep t he migration bird ponds un harmed and p rotected by activity of mining in future.	Migratory birds are seen in Malan Bandh ara as well as other nearby Bandhara area s, which areas located at distance of 5.4 k m and 2.3 km from our mining lease are a, respectively. Birds are also seen in low lying area, in which rain water accumulates temporaril y during monsoon. However, they are pr e-dominantly resident water birds. The company is committed to the measur

	1	ite specific wildlife c
e-KYC	earlier), which inclurotection of shallow birds. The company will rule L in low lying areas water nature of the vening of the low lying 3 of Padhiaryka & Illier Inc. 5 & 6 of Gujarda will provide more a mpany will ensure the	de points related to proposed points related to proposed points, ecology and mine above 2m AMS to maintain the fresh water in it. The enlarging area in pit no. 2 & Doliya Mine and pit no. Dudheri & Dudhala rea to birds. Also contact transportation will maintaining safety dist areas.
PP needs to install water treatmen o reduce the hardness of water.	by villages through I ne by the State Gov requirements for min lled through Narmacich is passing through e, presently there is e hard ground water	Narmada water pipeli t. and drinking water nes shall also be fulfi da water pipe line wh gh nearby area. Henc no proposal to use th . However, if any req uture we will provide
PP needs to explore possibility of ng surface miners for mining.	ace miner (50% qualed mine plan and all mpany explored use ement plant use to elasting in the remaining ed the same in point sof Reference received C vide Letter no. J-1 I(M) dated November For soda ash plant, vine i.e. 25 mm to 100 er cannot be deployed ng for Soda ash plant	ve need sized limesto) mm, so surface min ed for limestone mini at use. However, com ek breaker to avoid bl
Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Pollution Control	0.241	9.54
Pollution monitoring	0.016	3.88
Occupational health	0.011	0.64

Environmental Studies, etc.		0.10	_
Green belt		_	5.10
Reclamation		-	11.39
Others (Environmental studies, Rehabilit ation, Realignment, Expert advice, fencing etc.		_	5.28
Overheads		-	0.30
Total		0.3680	36.12
Particulars		(Rs. In Crore)	
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)		0.70	
Project Cost		25	
Employment (No.s)		58	



Deliberations of EAC 1:

The EAC deliberated the instant proposal along withGujarda, Dudheri & Dudhala Limestone Mine and Padhiarka & Doliya Limestone mine. The Project Proponent has informed the EAC that the proposed method of mining is same in all three mines such as Vangar & Madhiya Limestone Mine, Gujarda, Dudheri & Dudhala Limestone Mine and Padhiarka and Doliya Limestone mine. NH-51 (Una-Mahuva highway) is passing within the mine lease area. A safety distance of 45m will be maintained. The underpass road has been proposed below Highway by NHAI for the safe passage of the villagers. The EAC asked the Project Proponent to explore the possibility of laying overbridge over the Highway. In the proposed 3rd pit, displacement will be taking place. Discrete houses are located within the mine lease area. The total mine lease area is 612.1336 ha, out of which Govt. land is 25.6547 haand Private land is 586.4789 ha. In this project, Pvt land is more than the previous project. There are 5 mine pits are proposed. Project Affected Families will be 494 no.s. In this project, a budget of Rs 34.0 Lakhs has been earmarked to address the concerns of the public hearing. The geological conditions, method of mining, environmental sensitivity and implications, impact on socio economic are similar in all these three mines.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that the project is part of three contiguous projects namely Padhiarka and Doliya Limestone mine (332.24 ha), Vangar & Madhiya Limestone Mine (612.336 ha) and Gujarda, Dudheri & Dudhala Limestone Mine (681.62 ha) and together it extends over an area of 1626.196 ha. The mine lease area comprises of partly Private Agriculture land and partly Govt. land. NH-51 (Una-Mahuva highway) is passing within the mine lease area. Also, Vangar (0.25 km, NW) and Madhiya villages (0.25 km, SE) are located close to the proximity of the mine lease area. The EAC was not convinced with the proposed backfilling plan and the activities proposed under the Wildlife Conservation Plan. The EAC observed that the pits are isolated and the mine lease area is partly Private and Govt. land. The EAC also observed that there will be direct purchase or leasing of private land with the willing consent of the private land owners. The EAC was of the view that what if the land owners are not willing to give their land. There are likely chances that mining will not take place sequentially if the land acquisition does not happen. There will be failure of scientific mining. Large no. of Project Affected Families is involved in all these projects. The EAC opined that the Saltwater intrusion through surface or ground water sources may diminish the availability or quality of source waters for drinking water utilities. Some salt pans i.e., salt manufacturing industries and few wind mills exists in the study area. Old mine pits also exist within the mine lease area. The EAC noted that the Bhavnagar is categorized as a Severely Polluted Areas. The EAC reiterated the Ministry of Defence letter dated 08.05.2023 regarding security considerations for construction activities/other activities in Border areas/other areas wherein it has been mentioned that "all activities connected with mining within 20kms from all the borders including seaboard frontier should be planned in consultation with Ministry of Defence". Accordingly, EAC opined that PP should obtain NOC from Ministry of Defence.

Thus the EAC opined that there is a need to ascertain the ground reality w.r.t natural low lying areas, water logging areas, old mine pits, sequence of mining, feasibility for backfilling, impact on socio economic, agriculture land, transportation route, traffic congestion, salt pans, effectiveness of salinity ingress control bund, proximity of habitations, schools, water bodies, roads etc., The EAC was of the view that a site visit needs to be conducted by a sub-committee comprising of EAC Members and officers from MoEF&CC. The EAC opined that the Ministry may constitute a sub-committee and submit its report to enable the committee to take a decision on the proposal. Therefore, the EAC deferred the proposal for want of following additional information: -

- i. The site visit report of the subcommittee.
- ii. Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- iii. The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).
- iv. The Project Proponent needs to explore the possibility of laying overbridge over the Highway

- and shall submit the permission from the National Highways Authority of India (NHAI).
- v. The Project Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectiveness of the salinity ingress control bund.
- vi. The Project Proponent needs to submit the site specific mitigation measures for backwaters from Arabian Sea coming into the mine lease area.
- vii. The Project Proponent needs to revisit the plan for backfilling with clearly indicating the voids area and the capacity available/required for backfilling.
- viii. The Project Proponent needs to revise the activities proposed under the Wildlife Conservation Plan. The Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservation Plan for their conservation.
- ix. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.
- x. The Project Proponent needs to submit the action plan for year wise exploration program.
- xi. The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for non-cement purposes.
- The Project Proponent needs to submit a letter from the Department of Geology and Mining, Government of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not?

3.4.4. Deliberations by the EAC in current meetings

The EAC deliberated the instant proposal along with Padhiarka & Doliya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC deferred the proposal for the want of following information:-

- I. The Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National

Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.

VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.

VII. The Project Proponent needs to submit time line for acquiring land from the villegers.

3.4.5. Recommendation of EAC

Deferred for ADS

Day 2 -15/03/2024

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Gandhamardan Block B Iron Ore Mining Project by ODISHA MINING CORPORATION LIMITED located at KENDUJHAR, ODISHA

Proposal For		Amendment in EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
IA/OR/MIN/451209/2023	J-11015/1084/2007-IA.II(M)	04/11/2 <mark>0</mark> 23	Mining of minerals (1(a))

3.1.2. Project Salient Features

The proposal is for amendment in EC dated 03.02.2009 w.r.t specific condition no. xx of Gandhamardan Block B Iron Ore Mining Project of M/s Odisha Mining Corporation Limited for production capacity of 9.12 MTPA in the mine lease area of 1590.8673 ha, located at Village: Upper Jagar, Urumunda, UparKainsari, Nitigotha, Ambadahara, Salarapentha, Daonla & Gandhamardan Protected Reserve Forest, Tehsil Banspal, Dist. Keonjhar, Odisha.

- **2.** The details of the project as ascertained from the documents submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
- i. Initially, the Project Proponent obtained Environmental Clearance vide EC letter dated 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha. One of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset".
- ii. Now, the Project Proponent has requested for amendment in EC dated 03.02.2009 to allow the transportation of ore outside the mine lease area after the sunset in respect of Gandhamardan Block B Iron ore mines of OMC.
- iii. Justification for amendment in EC:
 - a. The Project Proponent has submitted that the total mine lease area is 1590.8673 ha, out of which 1409.6489 ha is a forest land and 181.2184 ha is a non-forest land.
 - b. Stage-II Forest Clearance was granted in two phases. (i) MoE&F vide letter dated 17.08.2007 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion

- of 232.438 ha of forest land and (ii) MoEF&CC vide letter dated 09.10.2018 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion of balance forest land of 1177.211 ha including 25.1070 ha for safety zone in addition to 232.438 of forest land already diverted within total mining lease area of 1590.8673 ha.
- c. Since the date of grant of forest clearance for the total area within mine lease,OMC has never been able to achieve the target production and dispatched Iron ore of 9.12MTPA(approved production quantity as per EC). It is not possible to transport all the materials during the day time with the existing road infrastructure and due to Specific Condition No.(xx) of EC dated 03.02.2009.
- iv. The Project Proponent has submitted that the supplementary mine lease deed executed on 07.06.2019 and the mine lease is valid up to 10.07.2040. Modification of Review of Mining Plan along with Progressive Mine Closure Plan was approved by Indian Bureau of Mines vide letter dated 02.08.2021 over an area of 1590.8673 ha for the period 2021-22 to 2024-25.
- v. The Project Proponent has submitted the past production details from the year 1993-94 to 2023-24 (August, 2023) wherein, excess production has been observed from the year 2001-2002 to 2008-2009. Afterwards the production capacity is within their prescribed EC capacity.
- vi. The Project Proponent has submitted the certified compliance report issued by the Regional Office (RO), Bhubaneshwar. Site visit was conducted by RO on 09.10.2023.
- vii. Earlier, the Proposal was considered in the 23rdEAC meeting held during 5-7th December, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent has submitted the relevant information on Parivesh are as follows:

S.No.	Observation in 23 rd EAC meeting held durin g 5-7 th December, 2023	Reply by Project Proponent
1.	The Project Proponent needs to carry out the escientific study by the reputed institute regarding the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and fro, capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation depending on the infrastructure availability and also adverse impacts on the environment and wildlife due to night transportation.	The scientific study on the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation etc has been carried out by CSIR-Centre for Road Research Institute (CRRI). The Report has been submitted on Parivesh.
2.	The Project Proponent needs to submit the s pecific mitigation measures w.r.t Wildlife d uring night transportation.	Divisional Forest Officer (DFO), Keonjhar vide letter dated 17.02.2024 submitted the information related to the mitigation measures w.r.t wildlife during night transportation.
3.	The Project Proponent needs to submit the l etter from the State Forest Dept., regarding t he movement of animals in the transportation route during night.	Divisional Forest Officer (DFO), Keonjhar vide letter dated 17.02.2024 submitted the information w.r.t. movement of animals in the transportation route during night.
4.	The Project Proponent needs to submit the r e verification report done by the Regional O ffice for the non-compliances.	Project Proponent has submitted comments of regional office, Bhubaneswar for the non-compliances.
5.	The Project Proponent needs to submit the c opy of the demand notice issued from the O	The copies of the demand notice issued from the Office of the Deputy Director of Mine

	ffice of the Deputy Director of Mines and pr oof of payment made against the demand no tice.	s and proofs of payment made against the de mand notices has been submitted vide letter dated 04.09.2017.
6.	The Project Proponent needs to submit the copy of the certified past production details is sued from the Office of the Deputy Director of Mines dated 18.09.2023 from the year 1993-94 to 2023-24 (Aug, 2023).	The copy of the certified past production det ails issued from the Office of Deputy Direct or of Mines dated 18.09.2023 from the year 1993-94 to 2023-24 (August, 2023).

3.1.3. Deliberations by the committee in previous meetings



Deliberations of EAC 1:

The Project Proponent informed the EAC that initially Environmental Clearance (EC) was obtained on 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha. The EAC asked the Project Proponent to show the certified past production details issued from the Office of the Deputy Director of Mines dated 18.09.2023 from the year 1993-94 to 2023-24 (Aug, 2023). The Project Proponent informed the EAC that there was no excess production was done after the grant of EC dated 03.02.2009. A Demand notice was issued from the Office of the Deputy Director of Mines in pursuant to the Hon'ble Supreme Court order dated 02.08.2017 and accordingly demand of about Rs 320 Cr was paid. The EAC asked the Project Proponent to submit the copies of the same to the Ministry.

The Project Proponent informed the EAC that one of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset". The restriction in mineral transportation beyond sunset leads to shortfall in supply of mineral to the potential buyers. The Project Proponent presented the data about Odisha's contribution to the India's Steel production and Iron Ore production. The Project Proponent informed the EAC that Odisha's contribution increased from 49.32% (FY 21) to 56.30% (FY 23). The EAC asked the Project Proponent about the State Govt. efforts to augment the road transportation. The Project Proponent informed the EAC that the Govt. of Odisha allotted the work to M/s Odisha Mining Corporation Ltd for infrastructure and logistics development. OMC on behalf of the Govt, of Odisha has engaged the KPMG to prepare the feasibility report and KPMG submitted the draft report to the Govt. of Odisha. Now, based on the draft feasibility report, OMC has engaged Grant Thornton Bharat to prepare detailed feasibility report with actionable points in which all the District Administrations are involved and is under process. The EAC was of the view that when the Govt. of Odisha was so serious to improve the road and infrastructure network why there is a need for night transportation. The Project Proponent informed the EAC it will take much time and that's why night transportation is mandatory.

The Project Proponent showed the ore transportation route and proposed mechanical evacuation system. The Project Proponent also showed the photographs of the road within the mine lease area. Further, the Project Proponent informed the EAC that fluorescent road signs provided at every turning point for guidance of drivers. Traffic supervisor will be deployed for night checking. Adequate numbers of single armed illumination pole will be installed with proper light shielding arrangement. The EAC asked the Project Proponent to present the certified compliance report. The EAC noted that there are certain non-compliances w.r.t improper collection arrangement of runoff water, details of sump capacity, water sprinkling, quality of discharge water etc., The Project Proponent informed the EAC that the action taken report for the non-compliances has been submitted to the Regional Office. The EAC noted that the Project Proponent has revised and updated the details of the non-compliances after the site visit by the Regional Office on 09.10.2023.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that the Project Proponent did not carried out any specific study w.r.t impact during night transportation. The EAC asked the Project Proponent to submit the specific mitigation measures w.r.t Wildlife during night transportation. The EAC also asked the Project Proponent to submit the letter from the State Forest Dept., regarding the movement of animals in the transportation route during night. Further, the EAC asked the Project Proponent to carry out the scientific study by the reputed institute regarding the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and fro and the capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation depending on the infrastructure availability and also adverse impacts on the environment and wildlife due to night transportation. The EAC opined that the Project Proponent needs to submit the re verification report done by the Regional Office for the non-compliances. Based on the discussions held, the EAC deferred the proposal for want of following additional information:-

- i. The Project Proponent needs to carry out the scientific study by the reputed institute regarding the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and fro, capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation depending on the infrastructure availability and also adverse impacts on the environment and wildlife due to night transportation.
- ii. The Project Proponent needs to submit the specific mitigation measures w.r.t Wildlife during night transportation.
- iii. The Project Proponent needs to submit the letter from the State Forest Dept., regarding the movement of animals in the transportation route during night.
- iv. The Project Proponent needs to submit the re verification report done by the Regional Office for the non-compliances.

- v. The Project Proponent needs to submit the copy of the demand notice issued from the Office of the Deputy Director of Mines and proof of payment made against the demand notice.
- vi. The Project Proponent needs to submit the copy of the certified past production details issued from the Office of the Deputy Director of Mines dated 18.09.2023 from the year 1993-94 to 2023-24 (Aug, 2023).

3.1.4. Deliberations by the EAC in current meetings

The Project Proponent informed the EAC that initially Environmental Clearance (EC) was obtained on 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha.

The Project Proponent further informed the EAC that one of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset"

The EAC noted that the ML area is surrounded by the forest area and movement of wild-animal species have been frequently observed. Committee asked the PP to increase the truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand.

The EACrequested the PP to engage any reputed wildlife institute to carry out a study for recording the movement of elephant and other wild-animals. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area. EAC also opined that PP needs to carry out a drone survey of the entire mine lease area and the transportation route. Based on above discussion, the EAC deferred the proposal for the want of following information:-

- i. The PP needs to submit the implementable plan for increased truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand in day time.
- ii. The PP needs to submit the clarification from DFO with regard to presence of Elephant and other wild-life movement within the mine lease area and in its vicinity.
- iii. The PP needs to carryout a study to record the movement of elephants and other wild-animals within and near the mine lease area. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area.
- iv. The PP needs to submit the recorded drone video of the complete ML area and transportation route.
- v. PP needs to submit the Data related to the movement of commercial vehicle at night and projected number of total commercial vehicle to be seperately mentioned after considering the truck size of 40-45 tonnes (Payload).

3.1.5. Recommendation of EAC

Deferred for ADS

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

Revalidation of EC under MoEF&CC Notification S.O 1530(E) dated 06th April, 2018 for Lakheri Limestone Mi

ne (ML Area 1516.88 ha) with production capacity of 1.5 MTPA and waste/ topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil: Indergarh&Kesoraipatan, District: Bundi, Rajasthan of M/s ACC Limited. by SANDEEP KUMAR located at BUNDI,RAJASTHAN

Proposal For		Application for Corrigendum		
	Proposal No	File No	Submission Date	Activity (Schedule Item)
	IA/RJ/MIN/462722/2024	J-11015/167/2018-IA.II(M)	15/02/2024	Mining of minerals (1(a))

3.2.2. Project Salient Features

The proposal is for Corrigendum in EC letter dated 29.12.2023 w.r.t. Specific Condition no. 3.2 w.r.t correction in area of diverted forest land as 208 ha in place of 201.88 hafor Lakheri Limestone Mine for Limestone production with capacity of 1.5 MTPA and waste/topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH in the ML area of 1516.88 ha by M/s ACC Limited located at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh & Kesoraipatan, District Bundi, Rajasthan.

2. The Project Proponent has submitted the following information with regard to the corrigendum sought:

Ref of EC	Particular Particular	Required Corrigendum	Remark
Specific Condition No 3.2	Mining activity is rest ricted to the Forest La nd (201.88 ha) for wh ich the Stage II FC is available as per Minis try's letter dated 27.1 2.2017 plus the non-f orest land (1107 ha)"	Mining activity is restricted to the Forest Land (2 08 ha) for which the Stage II FC is available as per Ministry's letter dated 27.12.2017 plus the non-forest land (1107 ha)"	MOEF&CC (Forest Conservation Division) has rectified the same vide corrigendum dated 09. 02.2024 and mentioned in Parano 3 of the said letters it is mentioned that "Therefore instead of 201.88 has mentioned in Ministry letter no. 8-26/2003-FC dated 27.12.2017 it should be read as 208 ha and the remaining content of the letter no. 8-26/200 3-FC dated 27.12.2017 remains the same"

3.2.3. Deliberations by the committee in previous meetings

N/A

3.2.4. Deliberations by the EAC in current meetings

The PP/Consultant informed the EAC, that the instant proposal is for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha.

The EAC noted that the Project Proponent has obtained the permission for the complete forest area of 409.88 ha on 27.12.2017 wherein it was mentioned that out of 409.88 ha of forest land in the lease, the

Forest Clearance under section 2 (ii) was granted for 201.88 ha in 2012. However, the Project Proponent has Forest Clearance under section 2 (ii) for 208 ha. The Forest Conservation Division in the Ministry vide letter dated 09.02.2024 has clearly mentioned that "instead of 201.88 ha as mentioned in Ministry letter no. 8-26/2003-FC vide dated 27.12.2017 should be read as 208 ha".

In view of the above, the EAC **recommended** for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha and the specific condition no. 3.2 shall be read as "Mining activity is restricted to the Forest Land (208 ha) for which the Stage II FC is available as per Ministry's letter dated 27.12.2017 and 09.02.2024 plus the non-forest land (1107 ha)".

3.2.5. Recommendation of EAC

Recommended			
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4. Any Other Item(s)

4.1.1. Details of the proposal

River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA located at Villages Bhawgarh, Bal unda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arj unpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajastha n in the Mining lease area of 329.90 ha of M/s Pramod Meena Baran – Reconsideration of Environmental Cleara nce. [File No. J-11015/166/2014-IA. II(M), Proposal No. IA/RJ/MIN/25563/2014] EIA Consultant: M/s Overseas Min-Tech Consultants located at Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtab pura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali ,Baran, Rajasthan

Proposal For		Reconsideration of Environmental Clear ance
Proposal No	File No	
Proposal No. IA/RJ/MIN/25563/20 14	File No. J-11015/166/2014-IA. II(M)	Stocess

4.1.2. Project Salient Features

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA in the Mine lease area of 329.90 ha by M/s Pramod Meena Baran located at Villages Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajasthan.

4.1.3. Deliberations by the EAC in current meetings

The EAC noted that the Project Proponent's letter dated 15.03.2024 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

4.1.4. Recommendation of EAC

4.2.1. Details of the proposal

Mining of Sand (Minor Mineral) with production capacity of 0.42 MTPA in the mine lease area 360.97 ha, locate d at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Re venue Villages of Kishanganj TehsilKaglaBamori,Mehrawata, Rani Badod District Baran, Rajasthan by M/s Shr i Mukesh Sharma- Reconsideration of Environmental Clearance (EC) [File No. J11015/408/2015-IA. II(M); Prop osal No. IA/RJ/MIN/32677/2015] EIA Consultant: Enkay Enviro Services Pvt. Ltd. located at Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj TehsilKaglaBa mori,Mehrawata, Rani Badod ,Baran,Rajasthan

Proposal For		Reconsideration of Environmental Clear ance (EC)
Proposal No	File No	$c_{A_{\mathcal{E}}}$
Proposal No. IA/RJ/MIN/32677/20 15	File No. J11015/408/2015-IA. II(M)	

4.2.2. Project Salient Features

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 0.42 MTPA in the Mine lease area of 360.97 ha by M/s Shri Mukesh Sharmalocated at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj Tehsil Kagla Bamori, Mehrawata, Rani Badod District Baran, Rajasthan. River area spreads in 10 Villages of Tehsil – Baran & Kishanganj.

4.2.3. Deliberations by the EAC in current meetings

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

4.2.4. Recommendation of EAC

Returned in present form

4.3.1. Details of the proposal

e-Payments

Mining of Bajri(Minor Mineral) with proposed production capacity of 2.8 MTPA (ROM) in the mine lease area 9 05.206 ha, located at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan by M/s Shri Mukesh S harma – Reconsideration of Environmental Clearance reg. [File No. J11015/113/2016-IA-II (M); Proposal No. I A/RJ/MIN/25369/2014] EIA Consultant: M/s Enkay Enviro Services Pvt. Ltd. located at villages of Tehsil Pidaw a,Jhalawar,Rajasthan

Proposal For		Reconsideration of Environmental Cle arance
Proposal No	File No	
Proposal No. IA/RJ/MIN/25369/201 4	File No. J11015/113/2016-IA-II (M)	

4.3.2. Project Salient Features

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 2.8 MTPA in the Mine lease area of 905.206 ha by M/s Shri Mukesh Sharmalocated at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan.

4.3.3. Deliberations by the EAC in current meetings

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

4.3.4. Recommendation of EAC

D . 1:		
Returned in present form		

4.4.1. Details of the proposal

Bajri (Minor Mineral with capacity of 1.008 million TPA) Mining by M/s Chandak Associates located at near vill age Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan (177.64ha)—For Environmental Cle arance reg. [F.No. J-11015/179/2013-IA.II (M); Proposal No. IA/RJ/MIN/26462/2013] located at Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, Tonk, Rajasthan

Proposal For		Environmental Clearance reg.
Proposa <mark>l No</mark>	File No	SS
Proposal No. IA/RJ/MIN/26462/2013	F.No. J-11015/179/2013-IA.II (M)	

4.4.2. Project Salient Features

The Proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.008 MTPA in the Mine lease area of 177.64ha by M/s Chandak Associates located at near village Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan.

- 2. The Project Proponent has submitted the following information on the Parivesh portal:
- i. The Latitudes and Longitudes of the Mine Lease area are 26°06'04.29"N to 26°07'59.76'N and 76°01'05.66"E to 76°01'400.57"E respectively on Survey of India toposheet numbers 45 N/16 & 54 B/4. The Project is located in Seismic zone-II.
- ii. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category A or Activity 1(a) as the mining lease area is greater than 100 ha.
- iii. The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd 24th July, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/179/2013-IA.II (M), dated 13th September, 2013.

4.4.3. Deliberations by the EAC in current meetings

The EAC noted that the Project Proponent did not attend the EAC meeting at the scheduled time. Hence, EAC **deferred** the proposal.

4.4.4. Recommendation of EAC

4.5.1. Details of the proposal

River Bed Mining (Bajri) with production capacity of 1.31 million TPA by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh, located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan (252. 48ha) - For Environmental Clearance reg. [File No. J-11015/233/2014-IA.II(M); Proposal no. IA/RJ/MIN/25549/ 2014] located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Kota and Baran, Rajasth

Proposal For		For Environmental Clearance reg.
Proposal No	File No	
Proposal no. IA/RJ/MIN/25549/201	File No. J-11015/233/2014-IA.II(M)	9,5

4.5.2. Project Salient Features

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.31 MTPA in the Mine lease area of 252.48ha by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan.

2. The Project proponent vide letter dated 07.03.2024 submitted that their proposal was considered during the 32ndMeeting of EAC held during May 30-31st, 2018. The committee observed that the Terms of Reference (T.O.R) validity for aforesaid project was expired at the time of submission of the final report, and subsequently the project was deferred. Subsequently, ADS was generated on 15.02.2023, since the validity of T.O.R dated 29.10.2014 expired, the committee directed to apply fresh T.O.R at SEIAA as per the provision of EIA, 2006 notification and its subsequent amendments.

In compliance to the directions of EAC, and as per Gazette Notification S.O.1886 (E), dated 20thApril, 2022, the Project proponent has applied for fresh TOR in SEIAA- Rajasthan with Proposal No. SIA/RJ/MIN/419277/2023 on 26.12.2023.

4.5.3. Deliberations by the EAC in current meetings

The EAC after deliberations noted and accepted the withdrawn request of proposal and hence, recommended to withdraw the same.

Returned in present form

4.5.4. Recommendation of EAC

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Mr Pankaj Verma	Scientist E	pan*******@nic.in	
2	Dr Dinesh Misra	IFS (Retired)	dmi*****@gmail.com	
3	Sh Niranjan Kumar Vasu	Member (EAC)	vas****@gmail.com	

4	Dr Asha Rajvanshi	Member (EAC)	ash******@gmail.com
5	Shri Avijit Gosh	Member (EAC)	avi******@gmail.com
6	Shri Bandi Ramchandra Reddy	Member (EAC)	red**********@gmail.com
7	Prof Pramod Kumar	Member (EAC)	nit*****@yahoo.com
8	Prof Devesh Walia	Member (EAC)	dev*****@gmail.com
9	Dr Suresh Tiwari	Member (EAC)	smb*****@gmail.com
10	Dr K G Asha Manjari	Member (EAC)	kim********@gmail.com
11	Prof Dev Dutt Sharma	Member (EAC)	dds***@gmail.com
12	Shri Mohammad Niyazi	Member (EAC)	dir*****@gmail.com
13	Mr V K Soni Representative of IMD	Member (EAC)	vij*****@imd.gov.in
14	Dr Y G Kale Representative of IBM	Member (EAC)	ygk***@ibm.gov.in



GOVERNMENT OF INDIA MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (IMPACT ASSESSMENT DIVISION) NON-COAL MINING SECTOR

SUMMARY RECORD OF 28th MEETING OF THE COMMITTEE OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 28th meeting of the Re-Constituted Expert Appraisal Committee (EAC) for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 14-15th March, 2024 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of 27th EAC (Non-Coal Mining) meeting held during 20th February, 2024 & 21st February, 2024.

The minutes of the 27th Meeting of the EAC (NoN-Coal) held during 20th February, 2024 & 21st February, 2024 were placed before the members of the EAC and confirmed by the Chairman.

Day 1: 14th March, 2024 (Thursday)

1.1 Chettichavadi Jaghir Magnesite and Dunite Mine with total excavation of 1.4 MTPA which includes 0.06 million tons of Magnesite, 0.12 million tons of Dunite and others (waste, O.B, Inter Burden, Top Soil etc.) in the mine lease area of 449.364 ha of M/s. Dalmia Bharat Sugar and Industries Limited located at Chettichavadi Village, Salem Taluk, Salem District, Tamil Nadu - For Reconsideration of Environmental Clearance reg [Online proposal no. IA/TN/MIN/241375/2018; File No. 23-227/2018-IA.III(V)][Consultant: Aadhi Boomi Mining & Enviro Tech (P) Ltd] - Environmental Clearance (Violation)]

The instant proposal is for grant of Environmental Clearance (under violation category) for Chettichavadi Jaghir Magnesite and Dunite Mine with total excavation of 1.4 MTPA which includes 0.06 million tons of Magnesite, 0.12 million tons of Dunite and others (waste, O.B, Inter Burden, Top Soil etc.) in the mine lease area of 449.364 ha of M/s. Dalmia Bharat Sugar and Industries Limited located at Chettichavadi Village, Salem Taluk, Salem District, Tamil Nadu.

2. The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

- i. The mine lease area is located between Latitude: 11°43'09.71"N to 11°44'36.233"N and Longitude: 78°07'23.268"E to 78°09'13.068" E. The mine lease area falls under the Survey of India Toposheet No: 58 I/2 and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. The Project Proponent obtained Terms of Reference (ToR) vide ToR Lr.No: 23-227/2018-IA.III(V) dated 05.02.2021 for mining of Magnesite and Dunite in Chettichavadi Jaghir Magnesite and Dunite Mine for Total Excavation of 1.4 million Tonne per annum (MTPA)/[including 0.06 million tons of Magnesite, 0.12 million tons of Dunite, Waste, O.B, Inter Burden, Top Soil etc.] in the mine lease area of 449.364 ha under Ministry's Notification dated S.O 804(E) dated 14.03.2017.
- The proposal was earlier considered in the 43rd EAC (Non-Coal Mining) meeting held during 14 -16 December, 2021 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent submitted the information on 11.03.2022 in Parivesh. However, the Project Proponent did not comply to the observation of EAC and in view of the above additional details were sought by the Ministry on 27.04.2022, 22.08.2022, 12.09.2022, 04.10.2022 and 22.11.2022 to provide the valid mine lease document. The Project Proponent submitted the desired information on 21.12.2022 in Parivesh. The proposal was again reconsidered in the 9th EAC (Non-Coal Mining) meeting held during 17-18 January, 2023 wherein the EAC deferred the proposal for want of requisite information, accordingly, PP submitted the information on 01.09.2023 in Parivesh Portal. The proposal was then reconsidered in the 20th EAC (Non Coal Mining) meeting held during 21-22nd September, 2023 wherein the Committee asked the Project Proponent to submit the proof of payment of Rs. 18.69 crore as per Dept. of Geology and Mining, Guindy letter dated 09.12.2022 for further consideration of the instant proposal before the EAC. The Project Proponent submitted the information vide its letter dated 19.02.2024 on Parivesh Portal. Accordingly, the proposal was again reconsidered in the 28th EAC meeting held during 14-15th March, 2024.
- v. Based on observation of EAC in its EAC meeting held during 21-22September, 2023, the PP provided the following information:-

S.	Observation of EAC in its	Reply by Project Proponent
No.	meeting held during 21-22	
	September, 2023	
1.	The EAC asked the Project	The said demands were being
	Proponent to submit the	contested by the company before
	proof of payment of Rs.	Hon'ble High Court of Madras In
	18.69 crore as per Dept. of	W.A.834 of 2020 (w.r.t to Rs.11.44

Geology and Mining, Guindy let ter dated 09.12.2022 for further consideration of the instant proposal before the EAC.

Crore demand) and W.P.32057 of 2023 (w.r.t to Rs.7.24 Crore demand).

In this context, we are herewith submitting order of the Honorable Madras High Court dated 15.02.2024 In respect of W.A.834 of 2020 (w.r.t to Rs.11.44 Crore demand) and W.P.32057 of 2023 (w.r.t to Rs.7.24 Crore demand) heard along with W.A.671 and batch.

The operative portion of the said Order reads as under

- "(i) The impugned order passed by the learned Single Judge at the Principal Seat is quashed and set aside;
- (ii) The Impugned orders/memos imposing 100% penalty/cost upon the appellants/petitioners shall be construed as show-cause notices;
- (iii) The appellants/petitioners shall file reply to the said show-cause notices, along with all the relevant documents on which they rely, within a period of four weeks from today; and
- (iv) The authority shall consider the reply filed by the appellants/petitioners individually and pass fresh orders with regard to imposing of penalty/cost or otherwise."

vi. SEIAA/SEAC has approved the DSR for the Mineral Dunite and details has been mentioned below:

Date of	Proposal No/	Consideration by	Details of EC	Date of
application	File No	SEAA/SEAC		accord
31st Jan 2023/	-	597th Meeting of	-	-
23 rd Feb 2023		SEIAA dated 27th		
		Feb 2023		
	File No. C.No.	361st SEAC meeting	-	
	6013/2023	dated 10 th March		
		2023		
		379 th SEAC meeting		
		dated 12th May 2023		

	380 th SEAC meeting dated 17 th May 2023		
C: No	627 th SEIAA meeting	Approved the	6 th June
6011/2013	dated 6 th June 2023	DSR for	2023
		Dunite	

vii. Details of Mine Lease in chronological manner:

S.	Details of grant of Mine Lease	Perio	od of Grant	Name of	Mine
No	deed execution	From	То	the	lease
				Mineral	area in
					На
1	G.O.Ms.No.903 dt.25.02.1966.	1966	1986	Magnesite	574.46
	6-14		CAL		На
2	G. O.Ms.No.801 dt.	1976	1986	Dunite	574.46
	26. <mark>06.1976.</mark>				На
3	G.O.Ms.No.74 dt.	1986	2006	Magnesite	531.98
	<mark>11.03.1997. </mark>	V .	CC	& Dunite	На
4	Application No: SL: GO:55200(1)	na.	0	Magnesite	449.364
	<mark>11-07-2005</mark> .	0.11		& Dunite	На.
5	Letter from Dept of Geology and	7-1	31.03.2030	Ma <mark>gn</mark> esite	449.364
	Mining vide Lr.No.TN RC No:			& Dunite	На.
	1355/MM9/2006 dated 09.12.2022	D7 : .	211		Š
	for validity of lease (till	100			
	31.03.2030), as per Sec 8(A)(5) of	3			
	MMDR(Amendment) Act-2015.		11 5		

viii. Land Use/Land Cover of the Mine Lease Area:

Private land	ects of She		
Government land	449.364 Ha		
10/2	Unassessed Dry Waste Land Belonging to		
	Government.		
Forest land	010		
Total Mining lease area (MLA), ha	449.364 Ha		
Private land for crusher, workshop	Nilments		
& other infrastructure outside the			
MLA			

ix. Mining plan details:

Mining Plan including Progressive	Letter No.	TN/SLM/ MG& DU/ ROMP-
Mine Closure Plan (approved by		1646-MDS.
Indian Bureau of Mines/DMG)	Date	30.03.2021
	Mineral &	Major – Magnesite
	(Major/Minor)	Minor - Dunite

	Mine Lease	449.364 Ha.	
	Area		
	Mining Plan	2021-2022 to 2025-2026.	
	Validity		
Additional information (if any)	,		
Mining Parameters	Quantitative Des	scription	
Method of Mining	Open Cast Semi	Mechanized Mining	
Drilling/Blasting	Deep Hole Drillin	g 100-104 mm Dia &	
	Small Dia 25 mm	Dia Holes.	
Geological Reserves	Magnesite-11.01	5979 Million Tonnes,	
	Dunite – 32.1651	61 Million Tonnes.	
Mineable Reserves	Magnesite-11.01	5979 Million Tonnes,	
e	Dunite – 32.1651	61 Million Tonnes.	
Breakup of Total Excavation	Magnesite: 619	13 T/yr (0.06 MTPA)	
(Topsoil <mark>/OB/SB/IB</mark> /Mineral		<mark>T/yr (</mark> 0.14 MTPA)	
Rejects/ Waste, MTPA)	Waste : 1211009	T/yr (1.2 MTPA)	
	Total ROM/Exca	avation: 1414358 T/yr (1.4	
	MTPA)		
Life of mine	100 Years		
Mine Bench Height & Bench Width	7.5 Mtr Height, 19	5- 20Mtr Widt <mark>h</mark>	
No. of Mine Benches	4-5 Average.	S	
Existing Depth, m bgl	20m	S	
Ultimate Depth of Mining, m bgl	320m RL above I	MSL	
Ground Water Table, m bgl	325m & 335mRL	aboveMSL.	
Details of ground water	Not applicable		
intersection	010		
Individual bench slope	60° from Horizon	tal.	
Overall pit slope	45°	20	
Details of existing/ proposed	Nil		
Crusher	- 0111-		
Mineral Beneficiation		e area, but done in Factory.	
RoM output size	14,00,000Tonnes		
Transportation details including	ROM by Dumper	s& Mineral by 10 Tonners.	
capacity of dumper/tipper, mode	dyment		
of transport and distance			
Generation of Topsoil/OB & its	•		
Management during plan period &	OB is stored in sp	poil dumps for future use.	
conceptual period			
Generation of Mineral Rejects/			
Waste & its Management during	as per market demand.		
plan period & conceptual period			

x. Water requirement:

Total water requirement	70 KLD	Fresh water	70 KLD	
		Treated water		
Source	BORE WELL	BORE WELL		
Permission for withdrawal/	OT8/AG-2/33/2023/Renewal-NOC/SLM/2023 dated			
intersection along with	20.02.2023 vali	d upto 17-Nov-202	25.	
details of grant and its				
validity				

xi. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name		Distance & Directions	
Village	Chettichavadi		850m (E)	
Town	Salem		10 Km	
Highway	NH 7 - Salem – Bengaluru.		5.0 km - SW.	
		8 – Salem – Yercaud.	3.12km – SE MDR	
	76.7	naickanpatti Road	696.	
	(Salem	1) - 4	6.0km - SW.	
Interstate Boundary	N/A.	× रवाति 🗼 🔥	N/A.	
Railway Station/Railway	Salem Station	Junction Railway	6 km (S)	
Water Bodies	S.No	Water Body	Direction	Distance
	1	Kannankurichi Lake	SE	4.7
	2	KannankurichiPuthueri	SE	4.64
7	3	Thathampatti lake	SE	7.97
	4	Mariamman temple	SE	8.75
9	5	Selathampattiyeri	SW	7.05
	6	Lake near	SW	1.12
3,	7	Lake near NH 7	SW	2.9
	8	Lake near Indiranagar	SW	3.14
12°C	9	Pallapatti Lake	S	6.50
	10	Arisipalayam lake	S	7.07
	11	Kumaragiri lake	S	8.5
	12	Lake near	W	10
	13	Lake near	10/	7 7
		Anaigoundampatty	W	7.7
	14 Samuthiram Lake15 Lake near Pagalpatti16 Lake near		W	4.40
			W	6.21
			NW	8.1
17		Lake near	NW	7.64
	18	8 Lake near NW		7.72
19 Lake near Vattakkadu		Lake near Vattakkadu	N	4.40

Forest Nagarmalai RF	Nagarmalai RF
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xii. Presence of Environmentally Sensitive areas in the study area:

Forest Land/ Protected Area/	Yes/No	De	tails of Cert	ificate/letter issued
Environmental Sensitivity		by the concerned Departme		
Zone		me	ntioning the	Lr no, date of grant
		and	d remarks	
Forest Land within the mine	NO			
lease area and (if yes) status				
of Forest Clearance				
National Park	NO			
Wildlife Sanctuary	NO			
Elephant/Tiger Reserve	NO		- AA	
Eco-Sensitive Zone(ESZ)	NO			
/Eco-Sensitive Area (ESA)				
Coastal Regulation Zone (CRZ)	NO	E		
Schedule-I species (Nos and	Yes	Re	vised letter	from the Forest
name of schedule-I species	Seleti Court	Ra	nge Office	er, TN Forest
with authenticated letter)		De	partment	was obtained
		me	ntioning the	type of Schedule I
/1		Sp	ec <mark>i</mark> es in the s	tud <mark>y area of 10 Km</mark>
		Ra	di <mark>u</mark> s vide	Letter no.
		C.N	No.228/2021	dated 13 th Feb
2		202	23.	
3		As per the list 18 nos. of Schedu		8 nos. of Schedule-
	Box	1 S	Sp. are reporte	e <mark>d:</mark>
	rects if Sh	Sn	Common	Zoological
3.	D	· e	Name	Name
2/2	C GRE		Mammals	.5
*/ ₁		1.	Gaur	Bos Gaurus.
		2.	Jungle Cat	Felis Chaus
		3.	Mouse	Tragulus
	'~Paymen	15	Deer	Meminna.
		4.	Spotted	Axis Axis.
			Deer	
		5.	Jackal	Canis Aureus
		6.	Bonnet-	Macaca
			Monkey	Radiada
		7.	Devangloris	
				(Loris
				Lydekkerianus)
		8.	Pangolin	Manis
				crassicaudata

		9.	Palmcivet	Paradoxurus
				hermaphrodites
		10.	Porcupine	Hyxtrix Indica
			Birds	
		11.	Common	Pavo Cristatus
			Peafowl	
		12.	Crested	Spilansis
			Serpent	Cheela
			Eagle	
		13.	Laggar	Falco
	_		Falcon	Biarmicusjugger
167	-	14.	Harriers	Circus
			Circus	Aerunginosus
		15.	White	Neophron
	TS		Scavanger	Percnopterus
	QIV	F	Vulture	
	2-0	16.	White Eyed	Butastur Teesa
	तिः रचात	929	Buzzard	
			Reptiles	
		17.	Python	Python
/1	1100			Molurus.
		18.	Russel	Vip <mark>e</mark> ra (Daboia)
		J F	Viper	russelli
Wildlife Conservation Plan	Yes			vat <mark>io</mark> n Plan along
3			_	ary Provisions with
	3,,,			nplementation has
8	rects if Sh	been prepared and submitted to		
3.	`D -			orest Department,
2/:	PC GRE		lem vide	
2/2			:MM: <mark>26</mark> 150.A	
°e /		202		
		acı	<mark>kn</mark> owledgeme	ent.

xiii. Green belt/plantation details:

13.2 Ha/ 19800 saplings
Rs.13,50,000/-
Rs.2,00,000 per Annum
67674 with Survival rate of 60-70%
as on February 2024.
N.A.

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	15 Ha
50 m safety zone of nallah, roads, electric	1.5 Ha
lines	
500 m safety zones of nearest habitation	5 Ha
villages	

xiv. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/		
others)		
Period of baseline data	December 1st, 2020 to February 28th 2021	
collection		
Season (Summer / Pre-	Winter Season	
monsoon / Post-monsoon /		
Winter)		
Predominant Wind direction	From SW, S and SE	
(From)		
Ambient Air Quality (no. of	6 locations	
lo <mark>cations) and re</mark> sults	PM10 – 39µg/m³ to 60µg/m³	
	PM2.5 –19μg/m³ to 33 μg/m³	
	SOx – 4μg/m ³ to 13μg/m ³	
	NOx – 8µg/m³ to 19µg/m³	
Noise level (no. of locations)	5 locations	
and results	40.8 to 46.2 dBA for the day time and	
2.	34.1 to 41.8 dBA for the Night time	
Water Quality (no. of	6 locations	
locations) and results	pH: 7.43-9.48,	
9	TDS – 334 mg/l to 906 mg/l	
3.	Total Hardness: 190 mg/l to 280 mg/l	
	Chlorides: 22 mg/l to 58 mg/l	
	Heavy metals – Fe - 0 To 0.12 mg/l	
Soil Quality (no. of locations)	6 locations	
and results	pH – 7.46 to 8.64	
	moisture – 5.46% to 6.56%	
	bulk density – 1.21g/cc to 1.47mg/l	
	organic matter – 0.31% to 0.76%	
Lhadra madanisal attaba a d	Water holding capacity – 47% to 56%	
Hydro geological study and	The detailed Hydro geological study is given in	
results	Page No 130(i) to 130(xxxviii) of Final EIA report	
Troffic atudy (so of locations)	(Volume I)	
Traffic study (no. of locations)	Traffic study has been conducted at Single	
and results	lane village hard road which passes into the	
	lease area.	
	Transportation of raw material, fuel &	

finished product will be done 80% by road.
Existing PCU is 68 PCU/day on Single lane village hard road and existing level of service (LOS)is:

Road	V (Volume In PCU/day)	C (Capacity In PCU/ day.)	Existing V/C Ratio	LOS
Single lane village hard road		2500	0.0272	2.72

 PCU load after proposed project will be 68 (Existing) + 45(Additional) = 113 PCU/hr and level of service (LOS) will be:

Road	V (Volume In PCU/Day)	C (Capacity In PCU/ day)	Proposed V/C Ratio	LOS
Single lane village hard road	113	2500	0.0452	4.52

*Note: Capacity asperIRC73:1980 Guideline for Capacity for roads.

Conclusion: The level of service will be 4.52 after including additional traffic due to proposed project.

xv. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional	01.08.2021
vernacular daily newspaper)	
Date of PH	03.09.2021
Venue	Dalmia Old Colony Canteen Building.
	Opp. Wiegh Bridge.
	Chettichavadi Village, Salem West
	Taluk,
	Salem District, TAMIL NADU-636012.

Chaired by	Dist. Collector & District Environmental
	Engineer, TNPCBD.
Main issues raised during PH	Employment for the local villages.
Budget proposed for addressing issues	Rs.39.14 Lakhs.
raised during PH over 3 years	
Additional information (if any)	

xvi. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and	
	validity	
Consent to Establish	-	
Consent to Operate	- 46	
Certified Compliance Report		
and Insp <mark>ection</mark> date		
Certified Production Details	The Duly Authenticated Production Details from	
from the inception of the mine	1979-80 to 2018-19 as per the Certificate issued	
(in tabular form against the EC	by Dept of Geology and Mining Salem vide letter	
ca <mark>pacity)</mark>	ROC.45/2018/Mines-A dated 11.12.2018 is	
	submitted in Final EIA/EMP Report, Table format	
	of certified production against EC has been	
/ 1	submitted as per standard format.	

xvii. Rehabilitation & Resettlement (R&R):

R & R details	NA NA	
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xvii. Court case details:

Court Case, No and its present	Detail of total 9 court cases are mentioned
status	below:
200	1. W.P.25518/2006 Madras HC
	2. Writ Petition No.29275 of 2016 Madras HC
0.1	3. Writ Petition (Civil) No. 114 of 2014 of
	Supreme Court
	4. District Collector, Salem has also raised
	another demand vide order dated 8th July, 2020
	directing project proponent to pay sum of INR
	7.24 Crore on the quantity of Magnesite mined
	without EC for the period 1st April, 2000 to 31st
	August, 2018.
	5. District Collector"s demand of surface
	compensation of Rs.79,88,39,062from20.08.19
	66 till 31.10.2017.

Show cause vide Proceeding Letter No.SLM0006/DEE/TNPCB/S LM/RL/2014, dated 03.06.2014 by Tamil Nadu State Pollution Control Board U/s 19 of Environment Protection Act. 7. Show Cause vide Proceeding Letter No.FEF/TNPBC/SLM/F/006 /20 by Tamil Nadu State Pollution Control Board U/s 19 of Environment Protection Act dated 4th May, 2020. 8. Show cause Notice dated 5thFebruary, 2013 under Water Act. Show cause Notice dated 5thFebruary, 2013 under Air Act. 9. Environmental Activist Mr.S.Sakthivel filed a petition before the Hon"ble NGT (SZ) raising certain Environmental issues against 6 respondents. Undertaking by Project Proponent Affidavit Sworn on 22.04.2023 in a non-judicial stamp of Rs 100 bearing No. CZ - 744433 w.r.t court case. dated 21.04.2023.

xviii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	Affidavit Sworn on 22.04.2023 in a non-judicial
dated 30.05.2018.	stamp of Rs 100 bearing No. CZ - 744433
3/10	dated 21.04.2023.
Undertaking by Project Proponent	The Project Proponent has submitted an
in EIA/EMP report	undertaking vide Ministry's OM dated
8 1	05.10.2021.
Undertaking by Consultant in	Undertaking by the Environment consultant has
EIA/EMP report	been submitted as per Ministry's OM dated
30	04.08.2009.
Plagiarism Certificate	DI

xix. Details of the Environmental Management Plan (EMP):

S.no.	Activities	Capital cost	Recurring cost
		(INR)	(Lakhs/annum)
1	Safety kits for 320 persons @ Rs 1000 per	Rs. 3,20,000	Rs.2,00,000
	head	113. 0,20,000	
2	Water Sprinkling & Spraying	Rs.15,00,000	Rs.8,00,000
3	Afforestation for @ 75 per tree	Rs. 3,00,000	Rs.3,00,000
4	Noise & Vibration		Rs.2,50,000
5	Air Quality Monitoring and Water Testing	-	Rs.1,50,000
6	Drainage- Parapet -Retention Wall	Rs. 5,00,000	Rs.3,00,000

	Total	Rs 26.2	Rs.20.0 Lakhs	
		Lakhs		
	Summary of cost allocated for Remediation	plan, NRAP, CF	RAP	
Sn	Description	Estimated cos	st (Rs.in Lakhs)	
1	Remediation Plan	Rs.162.50/-		
2	Natural Resources Augmentation Plan	Rs.236.00/-		
3	Community Resources Augmentation	Rs.208.44/-		
	Plan			
	Sub-Total	Rs.606.94		
4	Budgetary provisions to implement the	Rs.39.14/-		
	commitment based on Public Hearing			
	Total	Rs. 646.08/-		

xx. Details of project cost and employment:

Particulars Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP	0.653 crore (0.262 + 0.3914)
+ capital cost of Public hearing)	V C C
Project Cost	19.57 crore
Employment (No.s)	350 Persons.
	As per the Chapter 13 of Vol I of EIA
	Report.

3. Observation and Recommendation of the Committee:

The instant proposal is for Environmental Clearance under violation category. The proposal was earlier considered in the EAC meeting wherein the Committee asked the Project Proponent to submit the proof of payment of Rs. 18.69 crore as per Department of Geology and Mining, Guindy letter dated 09.12.2022. The Project Proponent informed the EAC that they have contested against the demand raised by Department of Geology and Mining before Hon'ble High Court of Madras in W.A. Nos. 834 of 2020 (w.r.t to Rs. 11.44 Crore demand) and W.P. Nos. 32057 of 2023 (w.r.t to Rs. 7.24 Crore demand). PP also informed the EAC that Hon'ble Madras High Court vide order dated 15.02.2024 had construed the impugned orders/memos imposing 100% penalty/cost upon the appellants/petitioners as show-cause notices. The Hon'ble Court further directed the Project Proponent to file its reply on the above said show-cause notices within a period of four weeks.

In view the above submissions made by the PP, the EAC **deferred** the proposal and asked the Project Proponent to submit the following additional details

- i. PP needs to submit the copy of the reply of the show cause notice that it submitted to Department of Mines and Geology.
- ii. PP needs to submit the present status report in the matter from DMG, Tamil Nadu.

- iii. PP needs to submit the chronology of existing court cases along withthe replies filed by it and the state authorities.
- 1.2 Expansion of Sanu-I Limestone Mining Project with enhancement in production capacity from 3.3 to 3.848 MTPA (less than 20%) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size) 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) In the ML area of 1000 ha (ML No. 27/1996) by M/s Rajasthan State Mines and Minerals Limitedlocated near Village Sanu, Sub Tehsil Ramgarh, Tehsil Sam (Old Tehsil Jaisalmer), District Jaisalmer, Rajasthan For Environmental Clearance under OM dated 11.04.2022 (Stage-II expansion) reg [Online Proposal No. IA/RJ/MIN/458597/2024, File No. J-11015/42/2006-IA. II (M)]EIA Consultant: Fulgro Environmental & Engineering Services India Pvt. Ltd.

The instant proposal is for expansion of Sanu-I Limestone Mining Project with enhancement in production capacity from 3.3 to 3.848 MTPA (less than 20%) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size) - 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) In the ML area of 1000 ha (ML No. 27/1996) by M/s Rajasthan State Mines and Minerals Limited located near Village Sanu, Sub Tehsil Ramgarh, Tehsil Sam (Old Tehsil Jaisalmer), District Jaisalmer, Rajasthan.

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The proposed project activity is listed at schedule no. 1(a) Mining of Mineralsand falls under Category "A" of the schedule of the EIA Notification, 2006 and appraised at the Central level.
 - ii. The mine lease area is located between Latitude 27°19'39.37"N to 27°19'40.13"N & 27°16'43.77"N to 27°16'44.53"N and Longitude 70°33'47.35"E to 70°33'49.81"E & 70°34'54.62"E to 70°34'57.11"E.The mine lease area falls under the Survey of India Toposheet No: 40 I/11 and falls in Seismic Zone-III.
 - iii. Earlier, the Project Proponent obtained following Environmental Clearance as tabulated below:

S.No.	Details of EC obtained in the favour of M/s Rajasthan	Letter No. & Date
	State Mines & Minerals Ltd. (RSMML)	
1.	Environment Clearance over an area of 1000 ha for	Vide letter no. J-
	1.25 MTPA of Steel Grade Limestone.	11015/42/2006-IA. II

		(M)	dated
		03.08.2007	
2.	Amendment in EC for enhancement in life of mine	Vide letter	no. J-
	from 31.03.2016 at maximum annual production	11015/42/20	06-IA. II
	capacity of 12.5 LTPA as in the IBM approved Mining	(M) (Pt.)	dated
	Plan/Scheme of Mines, the balance estimated	22.03.2017.	
	reserves has been enhanced based on the additional		
	exploration during scheme of mining (SOM) period &		
	resulted the mineral reserves of probable/possible		
	category falling under proved category.		
3.	Further obtained Amendment in EC forenhancement	Vide Letter	no. F.
	in the production capacity of SMS Grade Limestone	No.	J-
	from 1.25 MTPA to 1.50 MTPA along with ROM	11015/42/20	06-IA. II
	handling of Limestone from 2.799 MTPA to 3.30	(M)	dated
	MTPA.	23.06.2021.	

iv. Details of Mine Lease in chronological manner:

Grant	From	То	Lease deed execution date	Lease registration date
Initial Grant (30 Years)	01/04/1997	31/03/2027	22/07/2010	30/07/2010
Extension	From	То	Renewal date	
1st (Deemed	7		2/// 20	
renewal from the	01/04/1997	31/03/2047	15/11/2018	
initial grant)	35		5~	

v. Land Use/Land Cover of the Mine Lease Area:

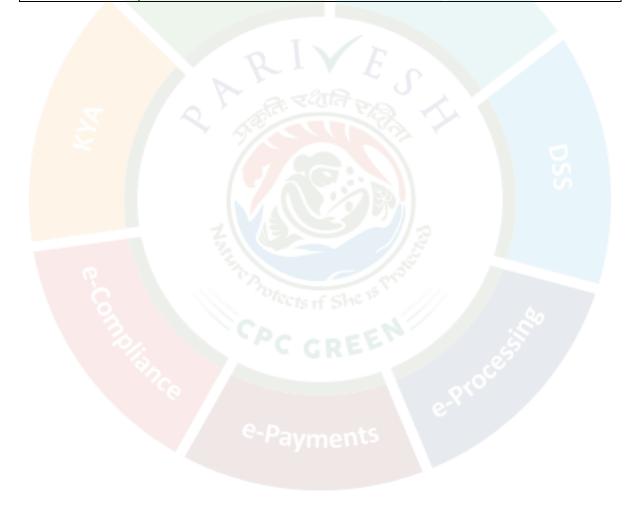
Private land	ML Area: 1000 Ha.	
Government land	GREE	
Forest land	0 Ha.	
Total Mining lease area (MLA), ha	1000 Ha.	
Private land for crusher, workshop	NA	
& other infrastructure outside the	ayment ⁵	
MLA		

vi. Mining plan details

Mining Plan	Letter No.	MCDR-MPC0LST/2/2023-
including		AJM-IBM_RO_AJM
Progressive	Date	09/06/2023
Mine Closure	Mineral & (Major/Minor)	Limestone (Steel Grade &
Plan		Cement Grade) and Major
(approved by	Mine Lease Area, Ha	1000 Ha.

Indian Bureau	Validity 2026-27							
of Mines/DMG)								
Additional information (if		Approval of Earlier Mining Plan & Its Subsequent Review In Chronological Order						
any)	Chionological Order			Period				
	S. N o.	Letter Number	Date	From	То	Approv ed Docum ent		
	1	326/108/ZN- 28/90-MCCM(NZ)	14/06/1 991	01/04/1 991	31/03/1 996	Mining plan		
	2	584(6)(3)(15)/96 RCMAJM	20/08/1 997	01/04/1 996	31/03/2 001	Schem e of Mining		
	3	584(6)(3)(94)/200 1RCM-AJM	04/02/2 002	01/04/2 001	31/03/2 006	Schem e of Mining		
7. X.	4	584(6)(3) (94- PMCP/2004-AJM	28/01/2 005	01/04/2 004	3 <mark>1/</mark> 03/2 006	Schem e of Mining		
	5	584(6)(3) MS- 259/2006AJM	09/09/2 006	01/04/2 006	31/ <mark>03</mark> /2 012	Schem e of Mining		
e l	6	584(6)(3) (391)/2011- RCOM-AJM	13/06/2 012	01/04/2 012	31/03/2 017	Schem e of Mining		
	7	584(6)(3) (1667)/2016- RCM-AJM	16/12/2 016	01/04/2 017	31/03/2 022	Review Of Mining Plan		
	8	584(6)(3) (1763)/2018- RCM-AJM	14/12/2 018	01/04/2 018	31/03/2 022	Modificat ion Of Mining Plan		
	9	584(4)(3) (1899)/2021- 22RCM-AJM	29/03/2 022	01/04/2 022	31/03/2 027	Review Of Mining Plan		
Mining Parameters	Qua	ntitative Description						
Method of Mining	Ope	n cast Mechanized						

Drilling/Blastin	Drilling/Blasting
g	
Geological	392.47 MT (Million Tonne)
Reserves	
Mineable	16.35 MT (Million Tonne)
Reserves	
Breakup of	Total Material handing 3.848 Million TPA (ROM SMS grade
Total	Limestone resource- 3.3 Million TPA recovery of mineral from
Excavation	Handling of old backfilled limestone size reject dumps (0-30 mm
(Topsoil/OB/S	size)- 0.548 Million TPA)
B/IB/Mineral	
Rejects/	VYC
Waste, MTPA)	e As



	S.	No.	Product	Capacit y mentio ned in the EC dated 3rd Aug 2007 & 23rd June 2021	Existin g Capac ity as per EC (MILLI ON TPA) dated 3rd Aug 2007 & 23rd June 2021	Proposed Capa city (MIL LION TPA)	Remark/End use
kyy e-company	1		SMS Grade Limesto ne (30 to 80 mm particle size) as per EC granted by MoEF & CC vide letter no. J- 11015/4 2/2006- IA.II (M)	1.25 Sold Figure 1.25 S	1.50	1.50	End use: Steel industries
	2	2a	dated 3rd August 2007 Mineral Size Reject (10 mm- 30 mm)	1.559	1.8	1.8	End use: cement, power & other industries

Г	1	T	Γ_	1	1	1	T = . T
		2b	Screen				End use:
			Reject				Market is yet to
			Limesto				be established.
			ne less				
			than 10				
			mm				
			particle				
			size)				
	3 ((1+2)	ROM	2.799	3.30	3.3	
			(Limesto				
			ne				
			Resourc				
			es)		C	0.	
			,				MaFF 9.00
							y MoEF & CC
					/42/2006	-1A. II (N	1) dated 23rd
			June 2021		E		
	4	4.1	Size	0	0	0.32	End use:
			mineral	रवानि-		88	cement, steel,
7 2		2	rejects		会 】 1	77 1	power plants &
			(10-30		10.37		other industries
			mm				
			size)		4 II		S.
		4.0			0	0.24	Faduce
		4.2	Reject	100	0	0.21	E <mark>nd</mark> use:
		-	(0-10	0	-/// 5	92	b <mark>ac</mark> kfilled or
			mm		1/8		<mark>dis</mark> patch
0			Size)		50		subject to
\		- 0.0	Propo	0.001.0	57	100	Market demand
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.0	0(4.1	Handling	0	0	0.54	End use:
3		.2)	of old		-11	8	cement, steel,
10	74.2)		backfille	GRE	- 1		power plants &
			d				other industries
			limeston			~(0	outer muusutes
						e-X '	
			e size				
			reject	/ment	5 \\		
			dumps				
			(0-30				
			mm				
			size)				
	5(3+4)		Total	2.799	3.30	3.84	In first phase
	"	J . 1)	Material		0.00	8	Expansion in
							-
			Handling				ROM- 17.89 %
			(MILLIO				In Second
			N TPA)				Phase
							Proposed
							Proposea

								Expans	ion is
								37.47 %	6 from
								First ph	ase
								initial E	C grant
								as per l	ΞIA
								notifica	tion,200
								6	
	CRUSH	ING AN	D S	CREEN	IN	G PLAN	Ť		
				Existin	g		Prop	Total	
							osed		
	6	Crush	ing	1X300	,1)	X250,1	NIL	1X300,	1X250,1
		unit		X200,	1X	150		X200,1	X150
	7	Scree	nin	1X250	T	PH,	1X30	1X250	TPH,
		g unit		1X250	T	PH,	0	1X250	TPH,
				1X200	T	PH,	TPH,	1X200	TPH,
		0		1X200	T	PH	1X30	1X200	TPH,
		1					0	1X300	TPH,
				हिंदाति			TPH	1X300	TPH
Life of mine	6 Years	100	100		5				
Mine Bench	Bench He	eight: 5	m						
Height &	Bench W	idth: <mark>80</mark>	-120	m					
Bench Width									
No. of Mine	7		7//		4				
Benches	-	z\\/	3)						
Existing	Pit No.	Pit ID	Pit	Status	Α	rea Cove	ered by I	Pit (Ha)	Depth
Depth, m bgl	1	North	Act	tive	1:	23.98			4.50 m
	2	South	Act	tive	5	01.72	1/2	/	5.00 m
Ultimate Depth	5 m bgl			-01, 0		30		್ಲಿ	
of Mining, m									
bgl	5.			UK				.e5	
Ground Water	70 m bgl						ر ر ر		
Table, m bgl							e.X		
Details of	Ground w	ater tal	ole w	vill not b	e i	ntersecte	ed		
ground water									
intersection									
Individual	70°								
bench slope									
Overall pit	45°								
slope									
Details of	_	-				-	Crusher	s having	capacity
existing/	1X300,1	〈250,1X	(200	,1X150	TF	PH			
proposed									
Crusher									

Mineral	No
Beneficiation	
RoM output	Mine Material handling capacity from 3.3 million TPA to 3.848
size	million TPA (Less than 20 %) in second phase which includes
	keeping ROM SMS grade Limestone resource- 3.3 million TPA
	same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral
	from Handling of old backfilled limestone size reject dumps (0-30
	mm size)- 0.548 Million TPA
Transportation	Via roads/railways and Capacity of dumpers/Tippers-25 Tones
details	
including	
capacity of	KYC
dumper/tipper,	e Ar
mode of	
transport and	T
distance	OVE
Generation of	There is no top soil generation/OB generation envisaged from the
Topsoil/OB &	proposed mines
its	
Management	
during plan	S
period &	
conceptual	
period Generation of	Mineral Reject generation of Size less than 10 mm & as per market
Mineral	specifications possibility is to explore the same for market use and
Rejects/	selling of -10mm mineral sized rejects with the objective to zero
Waste & its	waste mining as per National Mineral Policy 2019 to Conserve
Management	National Resources as much as possible.
during plan	realistics at mastras possible.
period &	
conceptual	Co
period	e-1

vii. Water requirement:

Total water requirement	55	Fresh water	55		
		Treated water	0		
Source	Water demand is being met available through IGNP				
	Canal				
Permission for withdrawal/	Permission obtained from IGNP dated 06/02/2007 for				
intersection along with	120 KLD for Sanu-I and Sanu-II mining project.				
details of grant and its					
validity					

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Nar	ne	Distance & Directions		
Village	Joga village		~ 5.32 Km towards NNE direction		
			from mining lease area.		
Town	Ramgarh (Nea	arest	~8.67 Km towards NW direction		
	Town)		from mining lease area.		
Highway	NH-68		~ Passing through the mine lease		
			area at about 0.90 Km towards		
			South direction from the Pillar W		
			of the M.L area.		
Interstate Boundary	None in 10	KM			
e.	Radius		AR		
Railway Station/Railway	Sanu Rail	way	~ 7.09 Km towards ESE direction		
line	station		from mining lease area.		
	OV				
Water Bodies	Sanwra De	esar	~1.37 Km towards SE direction		
	Talab		from the mine lease area		
Forest	None in 10	KM			
	Radius				

ix. Presence of Environmentally Sensitive areas in the study area:

Forest Land/	Yes/No	Details of Certificate/letter issued by the				
Protected Area/	7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	concerned Department mentioning the Lr no,				
Environmental	2 / a	date of grant and remarks				
Sensitivity Zone	53					
Forest Land within the	150	Letter obtained from office of the Dy.				
mine lease area and (if	No	Conservator of Forest, Wildlife, Jaisalmer vide				
yes) status of Forest	CD	letter no. F()Misc./DCFWLJSM/2023-24/3155				
Clearance		dated on 29.08.2023 stating that Mine site is				
National Park	No	about 45 km away from the boundary of Desert				
Wildlife Sanctuary	No	National Park Wildlife Sanctuary and about				
Elephant/Tiger	No	1.45 Km away from the Great Indian Bustard				
Reserve	G-h	Priority Area and lying within the Great Indian				
		Bustard Potential Area				
Eco-Sensitive	No					
Zone(ESZ) /Eco-						
Sensitive Area (ESA)						
Coastal Regulation	No					
Zone (CRZ)						
Schedule-I species	No	No Schedule I species were observed during				
(No.s and name of		primary survey. Further, the Authenticated List				
schedule-I species		of Flora & Fauna issued vide letter no. F ()				
		DCF/Technical/2022-23/4863 by DCF,				

with	authenticated	Jaisalmer dated on 04.09.2023 shows
letter)		presence of three Schedule I species namely:
		The Indian Porcupine (Hystrix leucura), Rat
		snake (Ptyas mucosa), Tawny Eagle (Aquila
		rapax)
Wildlife	Conservation	 Under Departmental Process
Plan		

x. Green belt/plantation details:

Proposed	Υe	ear	Un-v	vorked	Additio	Net	Bac	kfilled	T	otal
area for			Α	rea	nal	plantatio	Α	rea		
green			N		plantati	n to be				
belt/plant		e.	<i>.</i>		on to	carried				
ation and					be	out				
no. of					carried	(Along				
saplings					out	with				
proposed					(Assum	replacem				
			P		ing	ent of				
- ST		0	,		survival	non-				
			-9		rate to	<mark>su</mark> rviving				
					be	Plants)			7	2
			/1		70%)	211			1	'n
			Are	No. of	No. of	No. of	Area	No. of	Ar	No. of
			а	Trees	Trees	Trees	(Ha)	Trees	ea	Trees
			(Ha			// 20			(H	
0)			1.50			a)	
	Existi	Un-	41.	41590	-	-72 J	313.	46,69		45370
\ 0	ng	work	59	recti	if She	. //	50	7	ō.	
	2	ed	// (, D =		EN.				
	%	Area			GRE			25		
	80)	Both	3.7	3780				~C"		
		sides	8							
		of								
		NH	- 6	?-Pav	meni	(S \				
		passi								
		ng								
		throu								
		gh								
		the								
		mine								
	1 st (20	23-	*2.2	18401		18401				18401
	24)		2							

	and (2.2.2.4		40404		00001	1			2224
	2 nd (2024- 25)		18401	552 0	23921	Maintenanc e to be done			23921
	3 rd (2025-		18401	717	25577				25577
	26)			6					
	4 th (2026-		18402	767	26074				26074
	27)			3					
	5 th			782	7822				7822
				2					
	6 th								
	End of Life					559.	Re-		
	of Mine	.516				22	grassi		
	0.	10				4	ng		
	Total	47.	1,18,9	22671	96275	872.	Re-	47.5	1,47,1
		59	75			72	grassi	9	65
			- I				ng		
Budget	Rs. 5.21 lacs	(Recu	urring Co	ost)	CO				
for green									
plant &	Q								
plantation									
till the end									
of life of									
mine.					EA.				
Budget									
for									
nursery		3			100				
Details of	Discussed in	the at	ove se	ction					
existing									
plantation	2								
and its									
survival	700								
rate No. of	10	\sim				- 67			
tree cuts									
in the									
mine									
lease									
area and									
compens									
atory									
afforestati									
on									
Particular	Area covered	(in H	a)						
s for		`	,						

Green	
belt/plant	
ation	
7.5 m	43.81 Ha. (Green Belt/Plantation (Undisturbed Area) & 3.78 Ha.
barrier &	(Plantation along both sides of NH passing through the mine).
non-	
mineraliz	
ed zone	
50 m	
safety	
zone of	
nallah,	
roads,	
electric	
lines	
500 m	
safety	
zones of	
ne <mark>arest</mark>	
habitation	
villages	
	ine detail:

Baseline detail: xi.

Baseline Data (Air / Water / Noise / Soil / F	lydro geological study/ Traffic Study/
others)	
Period of baseline data collection	March-May 2023
Season (Summer / Pre-monsoon / Post-	Summer
monsoon / Winter)	92
Predominant Wind direction (From)	SW
Ambient Air Quality (no. of locations) and	8
results	1000
Noise level (no. of locations) and results	7
Water Quality (no. of locations) and results	Surface-3, Ground water-2 Nos
Soil Quality (no. of locations) and results	7.5
Hydro geological study and results	Discussed in the chapter 3 of the
	EIA/EMP Report.
Traffic study (no. of locations) and results	Mining activity would deploy 25
	T/Truck and 144 trips/day, or
	PCU/day will be 432. Thus,
	incremental increase in traffic will be
	50%. There will be no much impact
	on local transport of mineral from
	mine site via roadways and railways.

The LOS value for the NH-68 will be "Excellent" after post mining. So, the additional load on the carrying capacity of the concerned roads is not likely to have any significant adverse effect

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)

Date of PH

Venue

Chaired by

Main issues raised during PH

Budget proposed for addressing

issues raised during PH over 3

years

Additional information (if any)

As per EIA Notification, dated 14th September, 2006 and its subsequent amendments till date the said project falls under Category "A" and accordingly, Environmental Clearance (EC) for mining activity is required under para 7 (ii)a of EIA Notification, 2006 (for Expansion or Modernization or Change of product mix in existing projects).

Earlier in Phase I enhancement in the production capacity of SMS Grade Limestone from 1.25 MTPA to 1.50 MTPA (20 %increase) along with ROM Handling of limestone from 2.799 MTPA to 3.30 MTPA (17.89% increase) at operating Sanu-I Limestone Mine.

Further, this EIA/EMP report is being prepared for Phase 2: 2.799 MTPA to 3.848 MTPA (37.47 % increase) expansion(<40% i.e., 37.47 % in phase 1 and phase 2) in line to MoEF & CC OM vide No. IA3-22/10/2022-IA.III [E 177258] dated 11th April 2022 and subsequent OM vide No. IA3-22/10/2022-IA.III [E 177258] dated 30th May 2022, para 5 Table Scenario III : "Up to 40 percent based on successful compliance of previous environmental safeguard conditions related to expansion of 20 percent" clearly stating that requirement of revised EIA/EMP report and Certified EC Compliance report however there is no requirement of fresh public consultation

xiii. Details of CTE/CTO, Certified Compliance Report, and Certified Production Details from the inception of the mine:

Particul	Details of Letter along with date of grant and validity	
ars		
Consent	F(Mines)/Jaisalmer(Jaisalmer)/1958(1)/2016-2017/1150-1154	dated
to	07/07/2021 valid till 31/07/2024	

Establis								
h								
Consent	(Mines)	/Jaisalmer	(Jaisalmer)/1	958(1)/2016-	2017/1155-1159 dated			
to	07/07/2021 valid till 31/07/2024							
Operate								
Certified	PP sub	mitted the Ce	rtified Compli	ance Report	(CCR) dated 24.10.2023.			
Complia	As per t	he CCR, the	inspection wa	as carried out	on 19.07.2023.			
nce								
Report								
and								
Inspecti								
on date								
Certified	Certified	d Production f	igure along w	ith EC Capa	city			
Producti		Prod	duction in Tor	nes				
on		DOM.	30 mm –	10 mm –				
Details	Year	ROM	80 mm	30 mm	Description			
from the		Production	Size	size				
inceptio		A+B	A	В				
n of the	1987			TO Y	Issued via ME, Mines			
mine (in	-88	60067.400	60067.400	- J.	and Geology			
tabular	1988	200146.50	200146.50		Department Jaisalmer			
form	-89	0	0		vide letter no.			
against	1989	242104.10	242104.10	7 62	ME/Jaisal/Sankhya/20			
the EC	-90	0	0		15			
capacity	1990	465238.40	465238.40	4/ 2	/1206 dated on			
)	-91	0	0		19.01.2015			
, ,	1991	592140.50	592140.50	- 16 Ti				
	-92	0	0	Ne v	*Note: Addition of A &			
	1992	5 99784.50	599784.50	-52	B, however not given in			
	-93	0	0	EE.	the certificate.			
	1993	441619.40	441619.40					
	-94	0	0		810			
	1994	333412.60	333412.60					
	-95	0	-Paome	nts \				
	1995	529663.80	529663.80					
	-96	0	0					
	1996		596235.10					
	-97	658961.3	0	62726.200				
	1997	1452000.0			Issued via ME, Mines			
	-98	0	574674.16	877325.84	and Geology			
	1998	1282000.0			Department Jaisalmer			
	-99	0	511977.52	770022.48	vide letter no.			
		<u> </u>			1.20 10.01 1101			

	1999	1121000.0			
	-00	0	448558.70	672441.30	ME/Jaisal/Sankhya/20 15
	2000 -01	1473000.0 0	589564.25	883435.75	/782 dated on 14.03.2016
	2001 -02	1492000.0 0	597430.35	894569.65	
	2002	1269000.0	580514.93	688485.07	
	-03 2003	1863000.0	592468.00	1270532.0	
	-04 2004	0 1797242.0	598637.00	0 1198605.0	
	-05 2005	0 1549313.0	-	0	
	-06 2006	0 1798470.0	589994.00	959319.00	
KYM	-07	0	868352.87	930117.13	
	2007 -08	1625515.0 0	778920.76	846594.24	
	2008 -09	1979170.0 0	881299.61	1097870.3	_
	2009 -10	1754319.00	813005.48	941313.52)58
	2010 -11	1669513.00	746978.04	922534.96	
	2011	2636900.00	_	1426773.6	
"	-12 2012	2027344.00	926496.33	0 1100847.6	
	-13 2013	1 881815.00	868927.82	7 1012887.1	<u> </u>
	-14		CCK	8	.57
	2014 -15	2137593.00	972054.37	1165538.6 3	RYOU
	2015 -16	1936097.00	903958.03	1032138.9	
	2016 -17	2084683.00	969311.10	323493.75	Issued via ME, Mines and Geology
					Department Jaisalmer vide letter no. ME/Jaisal/Sankhya/20
					/994 dated on 15.03.2019

	Yea r	ROM Produc tion	>30 mm - 80 mm Size Gitty	<30 mm size Gitty	Backfille d mined out pit	Description
	201 7- 18	26851 96	1230412 .60	401480. 67	1053302. 73	
	201 8- 19	27259 21	1249981 .20	291951. 70	1183988. 1	Issued via ME, Mines
	201 9- 20	26315 26	1189789 .30	279181. 98	1162554. 72	and Geology Department Jaisalmer vide letter no.
	202 0- 21	20996 86	0949911 .76	219908. 71	929865.5 3	
KYN	202 1- 22	31098 65	1425595 .51	407491. 76	1276777. 73	10.07.2025
	202 2- 23	30269 02	1389528 .49	55235 <mark>5.</mark> 35	1085018. 16	pss

xiv. Rehabilitation & Resettlement (R&R):

R & R details	No R & R study involved as this is an existing
35.	mining project also no settlements are present
70	in the mine lease area that requires R & R.

xv. Court case details:

Court Case, No and its present	No Court Case is pending				
status	-000				
Undertaking by Project Proponent	Undertaking is enclosed along with the				
w.r.t court case	EIA/EMP Report.				

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	Project Proponent has submitted an Affidavit			
dated 30.05.2018	along with the EIA/EMP Report.			
Undertaking by Project Proponent	Project Proponent has submitted an			
in EIA/EMP report	Undertakingalong with the EIA/EMP Report.			
Undertaking by Consultant in	Undertaking by Consultant has been submitted			
EIA/EMP report	along with the EIA/EMP Report.			
Plagiarism Certificate	Plagiarism Certificate has been submitted			
	along with the EIA/EMP Report.			

xvii. Details of the Environmental Management Plan (EMP):

No. Allocation in Lacs. (Capital) Lacs. (Recurring)	S.	Activity	Budget	Budget			
Capital (Recurring)	No.		Allocation in	Allocation in			
1 Environmental Monitoring Cost a. Water Quality analysis b. Air pollution monitoring ♣ Installation of online continuous Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM₁₀, PM₂₅, SO₂, NO₂& CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation c. Noise pollution Monitoring 2. Construction of Water conservation and management structure 3. Drip Irrigation 4. Blasting related safeguard expenses 5. Waste Management (Municipal Waste) 6. Fencing around mine pit to prevent loss of wildlife and human movement			Lacs.	Lacs.			
a. Water Quality analysis 0.50 b. Air pollution monitoring 1.00 Air Installation of online continuous 20.0 1.00 Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM10, PM2.5, SO2, NO2& CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices 5.00 installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation 5.21 c. Noise pollution Monitoring 0.40 2. Construction of Water conservation and management structure 3. Drip Irrigation 3.00 1.00 4. Blasting related safeguard expenses 0.50 5. Waste Management (Municipal Waste) 0.15 6. Fencing around mine pit to prevent loss of wildlife and human movement			(Capital)	(Recurring)			
b. Air pollution monitoring 1.00 Air Air Installation of online continuous 20.0 1.00 Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices 5.00 installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation 5.21 c. Noise pollution Monitoring 0.40 2. Construction of Water conservation and 3.00 0.70 management structure 3. Drip Irrigation 3.00 1.00 4. Blasting related safeguard expenses 0.50 5. Waste Management (Municipal Waste) 0.15 6. Fencing around mine pit to prevent loss of wildlife and human movement	1	Environmental Monitoring Cost					
Air Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation c. Noise pollution Monitoring 0.40 2. Construction of Water conservation and management structure 3. Drip Irrigation 4. Blasting related safeguard expenses 5. Waste Management (Municipal Waste) 6. Fencing around mine pit to prevent loss of wildlife and human movement		 a. Water Quality analysis 		0.50			
*Installation of online continuous Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation c. Noise pollution Monitoring		b. Air pollution monitoring		1.00			
Ambient Air Quality Monitoring Stations for monitoring of air pollution attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation c. Noise pollution Monitoring 0.40 2. Construction of Water conservation and management structure 3. Drip Irrigation 4. Blasting related safeguard expenses 0.50 5. Waste Management (Municipal Waste) 0.15 6. Fencing around mine pit to prevent loss of wildlife and human movement		Air					
Stations for monitoring of air pollution attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO ii Control of fugitive emission during loading and unloading, transportation/water sprinkling measures. iii Air Pollution Control Devices 5.00 installation at the material transfer points at crusher plant (Fogging System, Bag Filters) iii Greenbelt/Plantation 5.21 c. Noise pollution Monitoring 0.40 2. Construction of Water conservation and management structure 3. Drip Irrigation 3.00 1.00 4. Blasting related safeguard expenses 0.50 5. Waste Management (Municipal Waste) 0.15 6. Fencing around mine pit to prevent loss of wildlife and human movement			20.0	1.00			
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6. Fencing around mine pit to prevent loss of wildlife and human movement 0.20			// - -				
wildlife and human movement	5.	Waste Management (Municipal Waste)	<i>(/////</i>	0.15			
	6.	Fencing around mine pit to prevent loss of	78.71	0.20			
7 OHS/Surveillances 2.00 2.00		wildlife and human movement					
7. Officialized 2.00 2.00	7.	OHS/Surveillances	2.00	2.00			
8. Rehabilitation of mined out backfilled area 8.72 1.00	8.	Rehabilitation of mined out backfilled area	8.72	1.00			
(re-grassing)		(re-grassing)					
Total 115.43 28.66		Total	115.43	28.66			

xvii. Details of project cost and employment:

Particulars	(Rs. I	n Crore)	
Total cost of EMP			
(Capital Cost of EMP + capital cost of	Sr. No.	Particulars	Capital Expenditure (In Crores)
Public hearing)	1	Existing project cost	Rs. 12.00 Crores

	2	Project cost for expansion	Rs. 25.52 Crores		
		Environment	Existing	Pro	posed
		Management	Recurring	Capital	Recurring
	3	Plan	(Rs Lacs)	(Rs	(Rs Lacs)
				Lacs)	
			20	115.43	28.66
		Total			Rs. 37.52
	Total		Crore		
Project Cost	Rs. 3	7.52 Crore			
Employment (No.s)	112				

xviii. The point-wise compliance in the following table as per the Ministry's OM dated 11.04.2022 under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition. The OM is applicable subject to fulfilment of following criteria:

Sr.	Condition as per OM	Compliance of condition
No	न विस्तिति है	
1.	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Public hearing of the project held on 07.07.2005 for an annual production capacity of 12.50 Lakh tonnes (1.25 million tonnes) of steel grade limestone.
2.	There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansion	There is no change in the category of the project.
3.	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-à-vis the area mentioned in the EC, based on which public hearing has been held earlier.	No Change in the Project Area.
4.	The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	Proposed expansion is not more than 50% of production capacity.
5.	Predicted environmental quality parameters arising out of proposed expansion/modernization shall be within the prescribed norms and the	Baseline Monitoring and data have been collected during the Month of month

	same shall be maintained as per prescribed norms.	March to May 2023 in summer season.
6.	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	PP has proposed additional plantation apart from the 33% of ML area.
7.	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not be more than one year old at the time of submission of application	PP has submitted thecertified compliance report vide dated 24.10.2023. Site inspection date has not been submitted by the PP.
8.	Public Consultation shall be undertaken [if applicable as per table below] by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Not applicable.
9.	Effluent monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	No data available.

3. Observation and Recommendation of EAC:

The EAC, after deliberations observed that instant project is for expansion and PP has applied under OM dated 11.04.2022 for enhancement upto 37.87% (Stage-2) capacity expansion under para 7(ii) of EIA Notification, 2006. The EACobserved that the PP has not complied to all of the points of mentioned in the Ministry's OM dated 11.04.2022 issued under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%. EAC further noted that the PP is having the permission to mine 1.5 MTPA SMS grade limestone with ROM handling capacity of 3.3 MTPA.

The PP has collected the Baseline data for the period from March to May, 2023 and onbserved that the Ambient Air Quality, Water Quality, Soil Quality and Noise Level are within the permissible limits.

Further, the Committee observed that the PP has not complied the condition with regard to the plantation of trees within mine lease area, the EAC opined that the existing ratio of greenbelt should be more than 33% of the Mine Lease area. EAC also noted that PP has not installed any Continuous air quality monitoring system within the ML area. The EAC also emphasised that PP should increase the activity-wise budget for EMP, Public Hearing and their recurring cost. Based on aforesaid discussion, the EAC **deferred** the proposal for the submission of following information:

- i. The PP needs to submit the point wise compliance of Ministry's OM dated 11.04.2022 under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition.
- ii. PP needs to submit a study showing the impact of mine operation upon the existing boundary of Desert National Park /Wildlife Sanctuary and upon the Great Indian Bustard Potential Area which is about 1.45 Km away from the Mine lease boundary.
- iii. The PP needs to submit the authenticated mineable Limestone reserve and total Limestone reserve available within ML area from Director of Mines and Geology.
- iv. The PP needs to submit DMG authenticated past production since the commencement of mining operations.
- v. The PP needs to submit an undertaking for not exceeding the past production w.r.t. the EC capacity.
- vi. The PP needs to create a nursery of native plant species in 5 ha land within the mine lease area (with not less than 1 lakh of sapling capacity). The nursery should be ready within three months.
- vii. The PP needs to submit the status of wildlife conservation plan prepared as per the Wildlife amendment act, 2022.
- viii. The PP needs to submit the detail action plan related to the budget already spent and to be spent with regard to activities covered under EMP and as part of CSR.
- ix. The PP needs to submit the recorded Drone video of the Mine lease area covering Mine pit, OB dump and Plantation area.
- x. The PP needs to undertake a carrying capacity study in order to findout the impact on the National Highway-68.
- 1.3 Gujarda, Dudheri & Dudhala Limestone Mine for production capcity of 2.7 MTPA in the mine lease area of 681.62 ha by M/s Nirma Limited located at Villages Gujarda, Dudheri & Dudhala, Tehsil Mahuva, District Bhavnagar (Gujarat) Reconsideration for Environmental Clearance (EC) reg[Online Proposal No. IA/GJ/MIN/443968/2023, F. No. J-11015/153/2016-IA.II(M)][EIA Consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for Gujarda, Dudheri & Dudhala Limestone Mine for production capcity of 2.7 MTPA in the mine lease area of 681.62 ha by M/s Nirma Limited located at Villages Gujarda, Dudheri & Dudhala, Tehsil Mahuva, District Bhavnagar (Gujarat).

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The mine lease area is located between Latitude 21°01'1.31"N to 21°03' 44.86" N and Longitude 71°41'15.21"E to 71°43'38.54"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
 - iii. The Project Proponent has obtained the ToR for mining of Limestone in Gujarda, Dudheri & Dudhala Limestone Mine of M/s Nirma Limited vide letter no. J-11015/153/2016-IA.II(M) dated 06.02.2023.
- iv. Details of Mine Lease in chronological manner:

S.n <mark>o</mark>	Prospecting	Date of the	Name of	Period of	Grante <mark>d</mark> by	Mine
	License/	grant	the Mineral	Grant		lease area
	Letter of Intent		& (Major/	2 E2 1		in Ha
	(Lol)/ Grant of	- \\V	Minor)			
	Mine lease	2/				
	and Lr No	3,1		300		
1	MCR-102004-	15.02.2008	Limestone	30 years	IMD,	1497.4701
1	1943-CHH		rects if Sh	///	Government	
	3	C	2	-N	of Gujarat	
2	MCR-102004-	02.02.2011	Limestone	30 years	IMD,	1489.4701
	1943-CHH				Government	
		0			of Gujarat	
3	MCR-102004-	08.01.2017	Limestone	50 years	IMD,	681.62
	1943-CHH	e-	Pavmen	ts \	Government	
					of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine
	Mine Lease deed	From	То	the	lease
	execution			Mineral	area in
					На
1	MCR-102004-1943-	11.01.2017	10.01.2067	Limestone	681.62
	CHH				

v. Land Use/Land Cover of the Mine Lease Area:

Private land	565.9454
Government land	115.6746
Forest land	-
Total Mining lease area (MLA), ha	681.62
Private land for crusher, workshop &	No facilities outside the ML area. However crusher
other infrastructure outside the MLA	will be installed at company's Cement Plant.

vi. Mining plan details:

Mining Plan including Progressive	Letter No.	File No.: 684(4)(1)/MP-
Mine Closure Plan (approved by		348(197)/2021-22 GNR/1121
Indian Bu <mark>reau</mark> of Mines/DMG)	Date	04.08.2021
	Mineral &	Major
D	(Major/Minor)	
	Mine Lease	681.62
	Area, Ha	
	Validity	31.03.2026
Mining Parameters	Quantitative Des	-
Method of Mining	Opencast mecha	anized
Drilling/Blasting	Multi-row drilling	and V-pattern drill holes for deep
	hole drilling and	d blasting. S <mark>lu</mark> rry explosive -cap
Z ()	sensitive and no	n-cap sensit <mark>iv</mark> e.
Geological Reserves	57.280 Million tonne	
Mineable Reserves	20.574million tonne	
Breakup of Total Excavation	Top soil- 0.57 mi.cum	
(Topsoil/OB/SB/IB/Mineral Rejects/	OB/SB/IB/Mineral Rejects- Nil	
Waste, MTPA)	Waste-Nil	
Life of mine		mine may be increased subject
		f resources under 333 category
	into category of	
Mine Bench Height & Bench Width	6.0 m, for working bench 12-15 m for closing	
	(conceptual) ber	nch Optimum
No. of Mine Benches	2	
Existing Depth, m bgl	New mine	
Ultimate Depth of Mining, m bgl	10 m	
Ground Water Table, m bgl	15.5 m (Post monsoon)	
Details of ground water intersection	No ground water will be encountered during	
	1.	e. in working plan in neither pre
	•	st monsoon season in any of the
	1 -	ter will also not intersect during
	mining at the en	a or mine life.

Individual bench slope	80-85°
Overall pit slope	~ 45°
Details of existing/ proposed	Proposed crusher will be installed at Cement
Crusher	Plant.
Mineral Beneficiation	-
RoM output size	-
Transportation details including	Internal haul road from mine face to crusher and
capacity of dumper/tipper, mode of	by conveyor from crusher to the Cement plant
transport and distance	adjacent to the mine lease.
	For the Soda Ash Plant located at approx.100 km
	at Kalatalav, Bhavnagar limestone will be
KYC	transported in dumpers/ trucks through National
2	Highway 51.
	Internal haul road from mine face to crusher
	means of dumper/tippers of 25 tonnes capacity.
Generation of Topsoil/OB & its	Top soil at plan period- 249806 cu.m, temporary
Management during plan period &	stacking at one location
conceptual period	Top soil at conceptual period-321394 cu.m,
	simultaneously backfilling
Generation of Mineral Rejects/	Nil
Waste & its Management during plan	
period & conceptual period	No.
Additional information(if any)	Surface miner as well as ripper/dozer & rock
Z (1)	breaker will be used for mining to minimize drilling
2.	& blasting.

vii. Water requirement:

Total water requirement	44 KLD	Fresh water	3 KLD
	CACCREEN	Treated water	41 KLD
Source	Fresh water source Narmada water pipeline/Water tanker.		
200	Water harvested within	mine lease during	g rainy season.
	Treated water source-	- Reject water o	of RO /DM plant
	&Reject water of RO /DI	M plant (proposed	d at Cement plant)
Permission for withdrawal/	Permission for water	withdrawal from	Narmada water
intersection along with	pipeline has beer	<mark>n</mark> taken vid	e letter No.
details of grant and its	GWIL/Bhavnagar/Ind.co	onn./1257 dated 4	1.06.2008.
validity			
Additional information (if	-		
any)			

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
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Village	Gujarda, Dudheri, Dudhala	0.2-0.5 km	
	Madhiya	0.5 km, NW	
	Padhiarka	0.5 km, W	
Town	Mahuva	4.0km, NE	
Highway	NH-51 (Una-Mahuva	Within	
	highway)		
Interstate Boundary	Rajasthan	Approx.500 KM,N	
Railway Station/Railway line	Amrutvel	2.0km, N	
Water Bodies	Arabian Sea Coast	0.5 km, S from the HTL	
	Samdiyala Salinity ingress	4.5 km, WSW	
31.	control bund		
8	Malan Bandhara	1.5 km E	
	Malan River	4.4 KM,E	
	Bhambhali River	5.4 Km, W	
	Garasawo River	0.9 KM,NE	
Forest	RF near Patwa	2.8 KM,SW	
	RF near Doliya	7.4 KM,E	
	RF near Dudheri	0.6 KM,S	
~	RF near Gujarda	0.3 KM,S	
	RF near Khared	2.1 KM,E	

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	
National Park	No	
Wildlife Sanctuary	No	19.0
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone(ESZ) /Eco- Sensitive Area (ESA)	a y No	
Coastal Regulation Zone (CRZ)	Yes	ML area outside CRZ- GCZMA letter no.ENV-10-2023-170-T dated 19.07.2023
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	Peafowl, Chinkara and Asiatic lion & as per Wildlife Protection Amendment Act, 2022, schedule-1 species have been updated in WLCP.

Wildlife Conservation Plan	Yes	On the basis of the fauna study
		findings & list of fauna authenticated
		by Forest Department, Wildlife
		Conservation Plan was prepared and
		submitted for approval. The said
		Wildlife Conservation Plan had been
		approved by the Forest Department
		on 20.12.2021. Rs. 19.9 lakh has
		been approved for the conservation of
		wildlife in the study area. As
		suggested by EAC &latest Wildlife
VYC		Protection Amendment Act,
6-14		2022,budget allocation for WLCP has
		been increased from Rs.19.9 Lakh to
		Rs.65.9 Lakh for all 3 mines.

x. Green belt/plantation details:

X. Croon bolyplantation dotalic.	
Proposed area for green belt/plantation and no.	30.00 Ha.
of saplings proposed	2 1 N
Budget for green plant & plantation till the end of	90.95 Lakhs
life of mine.	
Budget for nursery	S
Details of existing plantation and its survival rate	H) Y
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10.0
50 m safety zone of nallah, roads, electric lines	10.0
500 m safety zones of nearest habitation	30
villages	.57
Additional information (if any)	10.00 ha(Backfilled area (Govt.
0	wasteland))

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)		
Period of baseline data collection	01.03.2021 to 02.06.2021	
Season (Summer / Pre-monsoon / Post-	Summer	
monsoon / Winter)		
Predominant Wind direction (From)	South	
Ambient Air Quality (no. of locations) and	16	
results		
Noise level (no. of locations) and results	16	
Water Quality (no. of locations) and results	15	

Soil Quality (no. of locations) and results	12	
Hydro geological study and results	As per planned mining and Report of	
	hydrogeological & hydrological studies	
	of core and buffer zone of Gujarda,	
	Dudheri & Dudhala limestone mine, the	
	ground water table may get Intersected	
	in post monsoon during 11th year at	
	conceptual pit bottom level of +1.0	
	AMSL. However, conceptual pit bottom	
	level will be kept above ground water	
	level i.e. +4.0m AMSL to avoid	
WYC	intersecting ground water level.	
Traffic study (no. of locations) and results	01 location & V/C = 31.27	

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &
majo <mark>r national dail</mark> y and one regional	Indian Express
ver <mark>nacular daily ne</mark> wspaper)	tan
Date of PH	28.04.2023
Venue	At the premises of Nirma Cement Plant
	Area, NH 8E/51, Survey No. 80, Village:
	Padhiyarka, Taluka: Mahuva, Dist.
	Bhavnagar
Chaired by	District Collector & District Magistrate,
2	Bhavnagar District & Regional Officer,
0 3	GPCB Bhavnagar
Main issues raised during PH	Air pollution, salinity ingression, wildlife
CISH :	protection, acquisition of agriculture land
Budget proposed for addressing issues	77 Lakhs
raised during PH over 3 years	65

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid
	upto 24/01/2028.
Consent to Operate	-
Certified Compliance Report and	-
Inspection date	
Certified Production Details from	Fresh mine
the inception of the mine (in	
tabular form against the EC	
capacity)	

xiv. Rehabilitation & Resettlement (R&R):

R & R details	The total mine lease area is 681.62 ha, out of
	which Govt. land is 115.6746 haand Private land is
	565.9454 ha.Land will be required for quarrying an
	area of 114.24 ha of Private land and Government
	land including 18 houses/hutments in land of
	Gujarda (15 nos.), in land of Dudheri (3 Nos.) &
	Dudhala (0 Nos.) villages. There will be total of 656
	land losers. There will be direct purchase or
	leasing of private land, with the willing consent of
JVC	the private land owners. Approx. total
6-17.	compensation will be Rs 18.0 Lakhs. In addition to
	above, the registration cost of sale of the land and
	homesteads shall be borne by the Company.
	Assuming it to be 6% of the entire costs of sale, the
	total resettlement budget works out to be Rs. 78.17
	lakhs.

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related to
	environment and pollution matters in which the
Bos	project proponent is a respondent.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated	The Project Proponent has submitted an
30.05.2018	undertaking by way of notarized Affidavit dated
	09.10.2023 stating that the proposal does not
e-p-	involve violation of Ministry's OM dated
	30.05.2018.
Undertaking by Project Proponent in	The Project Proponent has submitted an
EIA/EMP report	undertaking vide letter dated 14.02.2023 stating
	that the contents (information and data) as given
	by the Consultant in the EIA/EMP report are
	factually correct with full knowledge of the
	undersigned (Shri Ashish Desai).
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre for
EIA/EMP report	Envotech & Management Consultancy Pvt. Ltd)
	has informed that the baseline data was generated

by MoEF &NABL Accredited Laboratory M/s Min Mec R&D Laboratory, a division of Min Mec Consultancy Pvt. Ltd., New Delhi and the same has been verified and also confirmed that he shall be fully accountable for any misleading information mentioned in this statement.

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S.N	Observation	Reply by Project Proponent	
0.	of the EAC	S. C.	
	in		
	21 st meeting	T	
	held during	RIVE	
	18-20 th		
1 /	October, 2023	D PARTER PARTY	
1.	The site visit	Site visit has been conducted by subcommittee on 22-	
	report of the	25 th December, 2023.	
	subcommitte		
	e.		
2.	Since the	Project Proponent has submitteda letter for issuance of	
	mine site is	NoC/Clearance from Ministry of Defence vide application dated	
	located	10.11.2023.	
	within 20 km	Property of the Control of the Contr	
	from	rects if She	
\ \	seaboard	Project Proponent has submitted a letter to Department of	
	frontier, the		
	Project	recommendation to issue NOC to Ministry of Defense vide	
	Proponent	application dated 07.12.2023.	
	shall submit		
	No Objection		
	Certificate	respect of process to be followed to obtain NoC of Ministry of	
	from Ministry		
	of Defense for	EC without condition of obtaining NOC from MoD.	
	consideratio		
	n of the		
	instant		
	project.		
3.	The Project	The mine is captive mine to proposed cement plant at Mahuva	
0.	Proponent	and Highgrade limestone to be used in company's own existing	
<u> </u>	. 1000110111	and high grade infloctorio to be dood in company o own chloting	

needs submit action laying common Over Belt Conveyor (OLBC) for transportatio n of mineral mine from Plant. Project Proponent also needs to submit action for expansion of and passing the village road MoEF&CC. till the commission of the Over Land Conveyor

to Soda Ash plant located at Kalatalav, Bhavnagar as per the permission accorded by the Govt. of Gujarat vide letter dated for 17.08.2023.

The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational.

lease area to the Cement Hence, till the commencement of proposed cement plant, the Cement maximum 5% i.e. 450 TPD chemical grade limestone will be transported through dumpers @18 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar.

the Company is very much keen to establish cement plant as early plan as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity.

road with a width of 7m of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening has been submitted to the village road MoEF&CC.

Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC.

4. The Project Proponent needs to explore the possibility of laying over bridge over the Highway and shall

(OLBC).

The Project Since, the National Highway is under construction, we have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near our cement plant entry point or any other option suggested by NHAI for transportation of raw material & finished product. laying over Acknowledgment dated 23.10.2023 has been submitted.

submit the permission from the National Highways Authority of India (NHAI).

The Project 5. Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectivenes s of the salinity ingress control bund.

Samdhiyala Salinity Ingress Control bund (Samdhiyala bund) was constructed by Government of Gujarat in the year 2000 on Motpet Creek to prevent sea water from coming towards landward side. On the landward side, rain water gets accumulated as well.

Presently, the accumulated rain water of Samdhiyala bund is being used during post monsoon by adjoining agriculture land owners and in other seasons they are extracting ground water through borewell. For agriculture land which is away from Samdhiyala bund, farmers are extracting ground water through borewell for agriculture due to which salinity & TDS are increasing in ground water.

As per company's water management strategy, after commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund.

At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection.

Hydrogeological monitoring network will be established by constructing piezometers in and around the lease.

During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund.

After exhaustion of mineral, voids left will act as natural water harvesting structures. Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.

Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation. In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund. 6. The Project In this regard, following site specific mitigation measures will be Proponent taken: needs to submit the Arabian Sea is situated at distance of more than 0.5 km in the site specific south of the said mine lease and is clearly outside the CRZ area mitigation which is certified by GCZMA. Letter dated 19.07.2023 has been measures issued to M/s Nirma ltd, from GCZMA. for backwaters There was only one probability of sea water coming to mine from Arabian | lease area which is through Motpet Creek. Samdhiyala Salinity ingress bund has been constructed on Motpet Creek to restrict Sea coming into the mine backwater coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea lease area. to come to mine lease area. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well. 7. The Project The Indian Bureau of Mines, Govt. of India, Gandhinagar has Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for needs to the period of 5 years i.e. up to 2025-26. revisit the for As per approved Mining Plan, Removal of soil and its disposal plan backfilling as below. clearly with indicating the Year: FY 2021-22 to FY 2025-26 voids area Removal of soil(cum):249806 the Means of disposal: *Temporary stacking at one location near and capacity Proposed Pit no.1. available/req

uired backfilling. Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha): 6.20

Year: FY 2026-27 to FY 2031-32 Removal of soil(cum):321894

Means of disposal: *Temporary stacking at one location till 2026-27 and then, temporary stacked soil will be shifted for

Backfilling.

Simultaneously Utilized for Back filling of shallow pits of around 4.0 m depth Proposed Pit No. 6. (As demonstrated in map attached in Enclosure-VIII).

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period.

Area covered under stacking (ha):Nil

Total

Removal of soil(cum): 571200

Area covered under stacking (ha): nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period = 114.24 ha

Total soil removal envisaged till conceptual period = 0.57 million cum (114.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha

Ultimate Dimensions of Pits at the end of conceptual period

Pit No.: 1

Pit Area covered (ha):49.56 Pit Top (m AMSL):20 to 14 Pit bottom (m AMSL): 10 Pit Depth in in m: 10 to 4

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 2

Pit Area covered (ha):12.78 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 8 Pit Depth in in m: 5 to 3

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 3

Pit Area covered (ha):14.40 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 6 Pit Depth in in m: 7 to 5

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 4

Pit Area covered (ha):17.51
Pit Top (m AMSL):17 to 12
Pit bottom (m AMSL):11
Pit Depth in in m: 6 to 1

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 5

Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 6

Pit Area covered (ha):15.66
Pit Top (m AMSL):10.5 to 4
Pit bottom (m AMSL):4
Pit Depth in in m: 6.5 to 0

Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha for entire depth – 570000 cu.m

Total

Pit Area covered (ha): 114.24

Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m)

8. The Project Revised wildlife conservation plan incorporating the Schedule-**Proponent** I species as per the latest Wildlife Protection Amendment Act, needs to 2022 has been submitted. revise the activities 10 species are protected under the Schedule-I of The Wildlife (Protection) Act 1972 are as: Asiatic Lion, Indian Leopard, proposed the Striped Hyena, Jungle Cat, Indian Fox, Jackal, Indian Grey under Wildlife Mongoose, Indian Porcupine, Chinkara and Grey Wolf. Conservatio n Plan. The Further, 2 species (Indian Peafowl and Eurasian Spoonbill) are Project protected under the Schedule-I of The Wildlife (Protection) Act Proponent 1972 amended 2022. also needs to ensure that the Schedule-I species per the latest Wildlife Protection **Amendment** 2022 Act. shall also be included in the Wildlife Conservatio n Plan for their conservation 9. EAC Type of land: Private The was of the Land rate, Rs. Lakh/ ha: 13.00 view that the Land requirement, ha: 100.22 compensatio Total Amount Rs. lakhs: 1302.86 n rate is very less and Type of land:Government the Land rate, Rs. Lakh/ ha: On mining lease asked Project Land requirement, ha: 14.02 proponent to Total Amount Rs. lakhs: _ revisit and justify the Total Landrequirement, ha: 114.24 Total Amount Rs. lakhs:1302.86 budget proposed for

Resettlemen t & Rehabilitatio n (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.

Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates.

Project Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual also needs to agreed market rates.

plan Type of homestead:Pucca land Rate, Rs. /sq.m.: 10000

Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36

Type of homestead:Semi pucca

Rate, Rs. /sq.m.: 5000

Approx. Homestead area, sq.m.:360 Total compensation, Rs. lakhs: 36

Type of homestead:Kutcha

Rate, Rs. /sq.m.: 2000

Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36

Total

Approx. Homestead area**, sq.m.: 360 Total compensation, Rs. lakhs: 36

** Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr. No: 1

Timeline for land requirement(present)

Sr. No.:1.1

Timeline for land requirement(present): purchased

Pvt. Land:49.49 Govt. land:0 Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67 Govt. land:0 Total: 25.67

Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0

Govt. land:115.67 Total: 115.67

Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21 Govt. land:0.02 Total: 54.23

Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual

stage -11th year Pvt. Land: 102.70 Govt. land:14.04 Total: 116.74

Sr. No.:2.3

Timeline for land requirement(present):Minelife (up to lease

period)

Pvt. Land: 565.94 Govt. land:115.67 Total: 681.62

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights

for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

10. The Project Proponent needs to submit the action plan for year wise exploration program.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 182 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 182 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval.

Program of Future Exploration

YEAR:2021-22 to 2025-26

No. of BH:

PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77

Grid Interval:400 m

Total Meterage: Up to +1.0 MRL

YEAR:2021-22 to 2025-26

No. of BH:

PBH-37,41,43,61,66,79,

81,83,96,100,115,117,119,121,143,141,139,137,135,133,167,

165,163,169,171,173,179,181

Grid Interval:400 m Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-18,19,20,21,22,23,27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,62-65,67,71-74,76,93,94 Grid Interval:200 m Total Meterage: YEAR:2021-22 to 2025-26 No. of BH: PBH-68-70,82,84,78,80,85-92,95,97-99,101-116, 118,120,122,123,124-127 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-178,180,182 Grid Interval:200m or below Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m Grid Interval: Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable. The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2 has been submitted. The Project Permission accorded by the Govt. of Gujarat vide order dated: 11. 17.08.2023 for utilization of Chemical Grade of Limestone for Proponent non-cement purposes has been submitted. needs to

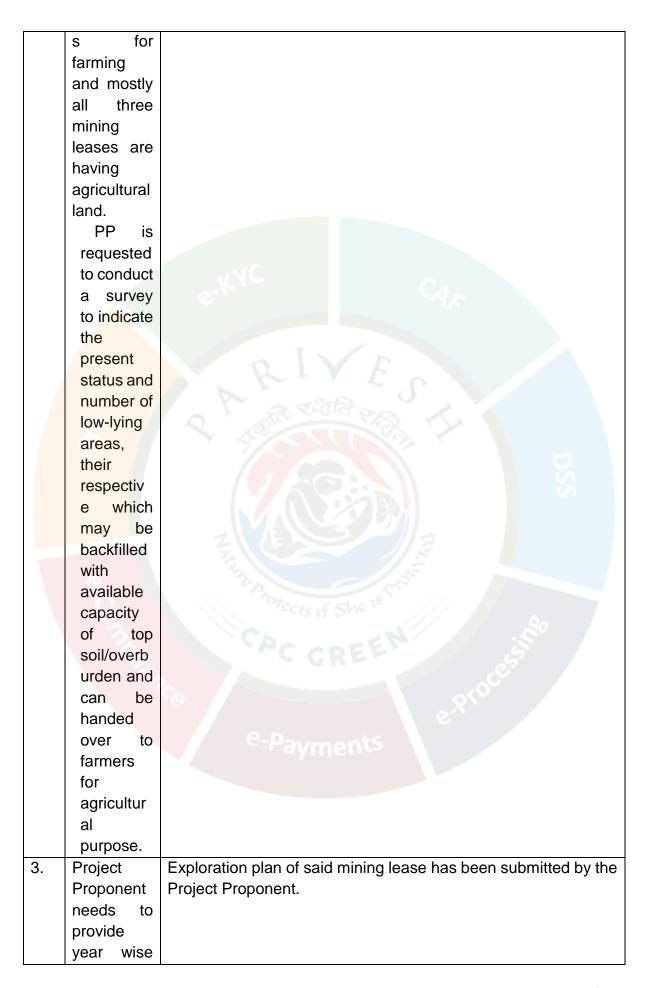
the

submit

copy of the permission

letter obtained the from State Govt. for utilization of Chemical Grade of Limestone for noncement purposes. 12. The Project The company has not carried out any mining within the lease Proponent area much less any illegal mining in the lease area. There are old pits pre-dating the allotment of the lease to the company, needs to which were received in legacy and shown in the present submit letter surface geological plan. Request letter in this regard has been from the submitted to Department of Geology and Mining, Government Department of Gujarat on 01.11.2023. Acknowledgement of the same has of Geology been submitted by the Project Proponent. and Mining, Government **Gujarat** clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not? **Site Visit Recommendation Reply**

1. PP should Action plan and Timeline indicating the purchase /obtain surface rights of land for mining for all three mining leases to initiate submit an mining activities has been submitted by the Project Proponent. action plan and timeline to indicate the purchase lands of across all three mining leases wherein it has proposed mining pits initiate mining activities since as on PP date has only purchased / obtained surface rights over 101,1967 Ha out of 1351.6489 of Private Agriculture Land. 2. In said mine, survey has been conducted & one pit i.e. Pit No. 6 Since PP envisages (Pit area -15.66 Ha) will have shallow depth pit and will be backfilled for entire depth of pits, looking to availably of soil for to handover backfilling the land • Pit no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire with depth. shallow quarry Action plan for backfilling of shallow depth pits of depth up to 4.0 having m and handing over to farmers for agriculture has been depth upto submitted by the Project Proponent. 4m to landowner



	exploration	
	plan for all	
	the three	
	mining	
	leases.	
4.	Since,	Chitra Industrial area (severely polluted area) in Bhavnagar city
	Bhavnagar	is located around 100 km away from our said mining lease area.
	falls under	On initial stage, company will engage water tanker with sprinkler
	severely	arrangement to suppress the dust on haul road and company
	Polluted	will make provision of permanent water sprinklers across the
	Area	haul roads in all three mining leases.
	category,	That roads in all three mining loades.
	PP shall	
	ensure that	T.
	during	
	initiation	
	phase itself	व रिवितिका
	they should	
	include the	, 47
	provision of	
	permanent	
	water	
	sprinklers	
	across the	
	haul roads	
	in all three	°B.
	mining	ofects if She is
	leases.	80
5.	Since,	Company will ensure to maintain require safety measures &
	Bellur and	distance from Bellur School & other schools as per DGMS norms
	other	for all three mining leases during mining.
	schools are	Tot all thos filling leades during filling.
	in close	G-Daymonts
	proximity to	e-Payments
	mine lease	
	area, PP	
	shall	
	ensure that	
	necessary	
	safety	
	measures	
	are taken	
	as per	

	DGMS	
	norms for	
	all three	
	mining	
	leases.	
6.	PP shall	The low lying area is where the rain water accumulates
	ensure to	temporarily during monsoon. These are not notified as wetlands
	construct	either under Ramsar Convention or by Central Govt. or State
	bunds near	Govt. Hence, the identifications and provisions under Wetlands
	the existing	(conservation and Management) Rules, 2017 do not apply in this
	low lying	case as per clause 3 of aforesaid Rules.
	areas that	1XC
	has	Moreover, Padhiyarka and Doliya Limestone Mine lease area
	dev <mark>elo</mark> ped	and Gujarada, Dudheri & Dudhala limestone mine lease area
	into	are located at a distance of more than 500 m from High Tide Line
	wetland to	of sea & also this area (between sea and low lying area in our
	prevent the	mining lease area) have higher altitude, therefore, there is no
	ingress of	chance of sea water ingress in mining lease area.
	sea water	However, company will construct bunds as and when required.
	in	7 77
	Padhiyarka	
	and Doliya	
	Limestone	
	Mine lease	Z (/ 3)
	area and	24
	Gujarada,	70.00
	Dudheri &	"Ofectors she to
	Dudhala	2.511 3.11
	limestone	CPC GREEN SEN
	mine lease	CRL
7.	The project	There is no Ramsar convention/ Central or State Government
' ·	The project Proponent	notified wetland in and nearby our mining lease area. The water
	needs to	bodies such as river channels and human-made water bodies
	submit the	(such as submergence areas of Samdhiyala Bandahara, Malan
	integrated	Bandhara) are excluded from the definition of wetlands as per
	manageme	Wetlands (Conservation and Management) Rules, 2017.
	nt plan	Tradanda (Concertation and Managoment) Raica, 2017.
	describing	There are low lying areas, in which rain water accumulates
	the	temporarily during monsoon. Mining activity will contribute
	strategies	towards enlargening & deepening such areas in pit no. 2 & 3 of
	and actions	Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri
	for	& Dudhala making a positive contribution to fresh water storage.
	achieving	and a summary of the summary to moon maken elorage.
	وو	

wise use of the wetland and the plan shall include objectives of the site manageme nt, manageme nt actions required to achieve the objectives, factors that affects, or may affect, the various site features, monitoring requiremen detecting changes in ecological character and for measuring the effectivene SS of manageme nt, and resources for manageme nt

The company does not intend to have any other use for these low lying areas.

As part of the integrated management plan for protection of water logged areas in and around the project, following steps shall be undertaken:

- Company will not do mining below 2 m AMSL in this low lying area so that there is no salinity ingress due to mining activity.
- Piezometer will be installed at designated locations to monitor changes in ground water level.
- Other allied activities such as transportation will be carried out by maintaining safety distance from this low lying area
- In this area of Gujarat, water logging due to rain water is a common phenomenon and resident water birds take advantage of such seasonal water logging to feed. Hence, company has proposed several measures as part of the wildlife conservation plan, with 3-year budget, as follows:
 - Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 lakhs)
 - Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs)
 - Assisting Plantation activities to be carried out by Forest Department, Bhavnagar (Rs. 1.5 lakhs)
 - Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lakhs)
 - Provision of equipments, camera, binoculars for efficient monitoring and eco-tourism promotion (Rs. 7.5 lakhs)
 - Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lakhs)
 - Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs)
 - Public education and awareness programmes for the following Avoiding plastic, Recycle and reuse, Reduce usage of pesticide and weedicide, Conservation of Wildlife, Garbage control (Rs. 3 lakhs).

Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs)

8. PP needs to engage and impart skill among

ation.

implement

Company will not acquire any agriculture land through land acquisition by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates.

Land owners may purchase agriculture land in nearby area in the villagers the amount which is to be paid to them against their land and can continue their livelihood. and local population Company will give priority to engage land owners who have mainly the land losers given land for mining purposes as per requirement of manpower for mines. and also submit а plan for Also, company will arrange to impart training to build capacity for their self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will alternate livelihood facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year). arrangeme nt since most of them will losing be their fertile lands. 9. PP should On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use widen the existing existing village road for transportation of limestone by village maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 18 numbers of trips/day roads before maximum in this mine. Company will widen the existing village road or make alternate using it for transportati road in all three mining leases on installation of cement plant. on in all Section plan of the road widening has been submitted by the Project Proponent. three mining leases. wherever widening is not possible, PP shall submit an action plan for making alternate roads. 10. PP should Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease. engage wildlife

	experts/					
	avian					
	experts for					
	conservati					
	on of the					
	avian					
	fauna					
	within and					
	near its					
4.4	mine lease.					
11.	PP shall	Native fruit bearing plants will be planted across all the proposed				
	plant native	green patches.				
	fruit	S				
	beari <mark>n</mark> g					
	plants					
	across all	OVE				
	the					
	proposed	व रिविति क				
	green					
	patches.	7 77				
12.	PP shall	Company had erected boundary pillars at the time of lease deed				
	put	execution and got authentication of all boundary pillars co-				
	boundary	ordinates through the DILR / State Govt. and provided in the				
	pillars	approved mining plan for all three mining leases. Some pillars				
	across all	have been dislodged/ removed by local people. Company will				
	mining	put such boundary pillars again prior to commencement of mine				
	leases.	so that they can be maintained.				
13.	The project	The company has not carried out any illegal mining in the lease				
\ \	proponent	area and request letter to provide required certificate regarding				
	needs to	no mining carried out by company or others has been submitted				
	submit a	to the District Geologist, Department of Geology and Mining,				
	letter from	Government of Gujarat, Bhavnagar vide letter dated:				
	the	01.11.2023. In turn, the District Geologist, Bhavnagar has				
	Departmen	submitted his report to the Commissioner of Geology & Mining,				
	t of	Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024				
	Geology &	to communicate the same to MoEF and copy endorsed to us. As				
	Mining,	per his report, No case of Illegal mining of limestone mineral has				
	Govt. of	been registered within the mining lease area against the				
	Gujarat,	company M/s Nirma Limited or against any other individual or				
	clarifying	entity.				
	whether					
	any illegal	Copy of our submitted letter dated: 01.11.2023 and copy of				
	mining	report of the District, Geologist, Geology & Mining Dep't,				
	within the					
	within the					

	mine lease	Bhavnagar dated 01.02.2024 has been submitted by the Project				
	area has	Proponent.				
	been					
	carried out					
	or not and					
	whether					
	the same					
	has been					
	carried out					
	by M/s					
	Nirma					
	Limited or	VC				
	not?	Cal				
14.	PP needs	The mine is captive mine to proposed cement plant at Padhiarka,				
14.						
	to submit	Mahuva and High grade limestone to be used in company's own				
	plan to	existing Soda Ash plant located as Kalatalav, Bhavnagar.				
	transport					
I /	crushed	The cement plant is adjoining to the mine lease while the Soda				
	limestone	ash plant is located around 100 km away and accessed through				
	from all the	National Highway.				
	three					
	leases to	Establishment of cement plant may take some time while the				
	plant.	soda ash plant is already operational.				
		Hanne till the common of the manner of the m				
		Hence, till the commencement of proposed cement plant,				
	0	maximum 5% i.e. 450 TPD limestone will be transported to Soda				
		ash plant located near Bhavnagar through dumpers @18 trips				
	`O.	per day. The trucks will pass through existing Dudhala - Amrutvel				
	3.	village road of 7 m width (out of which 4 m is black topped) for				
	0/.	around 1.0 km and meet National Highway no. 51, from where				
	(P)	the truck will move around 100 km.				
15.	PP needs	Migratory birds are seen in Malan Bandhara as well as other				
'	to take	nearby Bandhara areas, which areas located at distance of 1.5				
	some	km and 4.5 km from our mining lease area, respectively.				
		Thir and 4.5 km from our mining lease area, respectively.				
	measures	Divide are also soon in law biles area in which rate				
	to keep the	Birds are also seen in low lying area, in which rain water				
	migration	accumulates temporarily during monsoon. However, they are				
	bird ponds	pre-dominantly resident water birds.				
	un harmed					
	and	The company is committed to the measures proposed in the site				
	protected	specific wildlife conservation plan (summarised in point 7				
	by activity	earlier), which include points related to protection of shallow				
	of mining in	ponds, ecology and birds.				
	_	portus, coology and bilds.				
	future.					

		The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala will provide more area to birds. Also company will ensure that transportation will be carried out by maintaining safety distance from low lying areas.
16.	16. PP needs to install water is provided in every nearby villated in the state of	
17.	PP needs to explore possibility of deploying surface miners for mining.	Company has proposed mining with surface miner (50% quantity) in IBM approved mine plan and also in EIA report. Company explored use of Ripper dozer for cement plant use to eliminate drilling & blasting in the remaining 50% and committed the same in point no. 3, Specific Terms of Reference received from MOEF&CC vide Letter no. J-11015/154/2016-IA. II(M) dated November 28, 2022. For soda ash plant, we need sized limestone i.e. 25 mm to 100 mm, so surface miner cannot be deployed for limestone mining for Soda ash plant use. However, company will deploy rock breaker to avoid blasting during mining.

xviii. Details of the Environmental Management Plan (EMP):

Activities	Capital cost	Recurring cost
8/12	(Crores)	(Lakhs/annum)
Pollution Control	0.291	10.12
Pollution monitoring	0.016	3.88
Occupational health	0.014	0.95
Environmental Studies, etc.	0.10	_
Green belt		5.10
Reclamation	ı	10.03
Others (Environmental studies, Rehabilitation,	_	5.48
Realignment, Expert advice, fencing etc.		
Overheads	_	0.32
Total	0.421	35.87

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP +	1.19
capital cost of Public hearing)	
Project Cost	25
Employment (No.s)	84

3. Observation and Recommendation of EAC:

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Padhiarka and Doliya Limestone mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC **deferred** the proposal for the want of following information:-

- i. The Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- ii. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- iii. The Project Proponent needs to undertake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- iv. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- v. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- vi. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- vii. The Project Proponent needs to submit time line for acquiring land from the villegers.
- 1.4 Padhiarka and Doliya Limestone mine for mining of Limestone with production capacity of 1.5 MTPA in the mine lease area of 332.24 ha by M/s Nirma Limited located at Villages Padhiarka & Doliya, Tehsil Mahuva, District Bhavnagar, Gujarat Reconsideration for Environmental Clearance reg[Online Proposal No. IA/GJ/MIN/443206/2023, F.No. J-11015/154/2016-IA.II(M)][EIA Consultant: M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for Padhiarka and Doliya Limestone mine for mining of Limestone with production capacity of 1.5 MTPA in the

mine lease area of 332.24 ha by M/s Nirma Limited located at Villages Padhiarka & Doliya, Tehsil Mahuva, District Bhavnagar, Gujarat.

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meetingare given as under:
 - i. The mine lease area is located between Latitude 21°00'42.8152" N to 21°02' 9.7579" N and Longitude 71°40'10.0006"E to 71°41'9.9043"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
 - iii. Details of Terms of Reference (ToR):

Date of	Proposal No/ File No	Consideration	Details of ToR	Date of
application		by EAC		accord
18.1 <mark>1.2022</mark>	IA/GJ/MIN/406830/2022	06.12.2022	Letter no. J-	6 th
	7 7	renta	11015/153/2016-IA.II	February
7	Q / Agrain		(M)	, 2023

iv. Details of Mine Lease: -

S.No.	Prospecting	Date of the	Name of	Period	Granted by	Mine
	License/	grant	the	of		lease area
	Letter of	7 1	Mineral &	Grant		in Ha
	Intent (LoI)/	THE CO	(Major/	// 29		
	Grant of	4	Minor)	200		
	Mine lease	3,		STI	· // /	
	and Lr No		ects of She			20
1	MCR-	15.02.2008	Limestone	30	IMD,	1497.4701
	102004-		CGRE	years	Government	
	1943-CHH				of Gujarat	
2	MCR-	02.02.2011	Limestone	30	IMD,	1489.4701
	102004-			years	Government	
	1943-CHH	e-1	^a avmen'	rs \	of Gujarat	
3	MCR-	08.01.2017	Limestone	50	IMD,	681.62
	102004-			years	Government	
	1943-CHH				of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine
	Mine Lease deed	From	То	the	lease
	execution			Mineral	area in
					На
1	MCR-102004-1943-	11.01.2017	10.01.2067	Limestone	681.62
	CHH				

v. Land Use/Land Cover of the Mine Lease Area:

Private land	565.9454		
Government land	115.6746		
Forest land	-		
Total Mining lease area (MLA), ha	681.62		
Private land for crusher, workshop &	No any facilities outside the ML area. However		
other infrastructure outside the MLA	crusher will be installed at company's Cement		
	Plant.		

vi. Mining plan details:

Mining Plan including Progressive	Letter No.	File No.: 684(4)(1)/MP-		
Mine Closure Plan (approved by		348(197)/2021-22 GNR/1121		
Indian Bureau of Mines/DMG)	Date	04.08.2021		
	Mineral &	Major		
at at	(Major/Minor)			
	Mine Lease	681.62		
	Area, Ha			
	Validity	31.03.2026		
Mining Parameters	Quantitative Des	scription		
Method of Mining	Opencast mecha	anized		
Drilling/Blasting	Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive -cap sensitive and non-cap sensitive.			
Geological Reserves	57.280 Million tonne			
Mineable Reserves	20.574million tonne			
Breakup of Total Excavation	Top soil- 0.57 m	i.cum		
(Topsoil/OB/SB/IB/Mineral Rejects/	OB/SB/IB/Mineral Rejects- Nil			
Waste, MTPA)	Waste-Nil			
Life of mine	11 years (Life of	11 years (Life of mine may be increased subject		
e-Pa	to conversions of resources under 333 category into category of reserves 111)			
Miss Devel Heist O. Devel MC M		·		
Mine Bench Height & Bench Width	6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum			
No. of Mine Benches	2			
Existing Depth, m bgl	New mine			
Ultimate Depth of Mining, m bgl	10 m			
Ground Water Table, m bgl	15.5 m (Post monsoon)			
Details of ground water intersection	No ground water will be encountered during			
	planning stage i.e. in working plan in neither pre			
	monsoon nor po	ost monsoon season in any of the		

	pits. Ground water will also not intersect during
	mining at the end of mine life.
Individual bench slope	80-85°
Overall pit slope	~ 45°
Details of existing/ proposed	Proposed crusher will be installed at Cement
Crusher	Plant.
Mineral Beneficiation	-
RoM output size	-
Transportation details including	Internal haul road from mine face to crusher and
capacity of dumper/tipper, mode of	by conveyor from crusher to the Cement plant
transport and distance	adjacent to the mine lease.
KYC	For the Soda Ash Plant located at approx.100 km
2	at Kalatalav, Bhavnagar limestone will be
	transported in dumpers/ trucks through National
	Highway 51.
D	Internal haul road from mine face to crusher
	means of dumper/tippers of 25 tonnes capacity.
Generation of Topsoil/OB & its	Top soil at plan period- 249806 cu.m, temporary
Management during plan period &	stacking at one location
conceptual period	Top soil at conceptual period-321394 cu.m,
	simultaneously backfilling
Generation of Mineral Rejects/	Nil
Waste & its Management during plan	
period & conceptual period	
Additional information(if any)	Surface miner as well as ripper/dozer & rock
25	breaker will be used for mining to minimize drilling
Ofe	& blasting.

vii. Water requirement:

Total water requirement	44 KLD	Fresh water	3 KLD
170		Treated water	41 KLD
Source	 i. Fresh water source tanker. ii. Water harvested season. iii. Treated water sout &Reject water of February 	within mine lear	ase during rainy of RO /DM plant
Permission for withdrawal/ intersection along with			
details of grant and its validity	' '	onn./1257 dated 4	1.06.2008.

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance &
		Directions
Village	Gujarda, Dudheri, Dudhala	0.2-0.5 km
	Madhiya Padhiarka	0.5 km, NW
		0.5 km, W
Town	Mahuva	4.0km, NE
Highway	NH-51 (Una-Mahuva highway)	Within
Interstate Boundary	Rajasthan	Approx.500 KM,N
Railway Station/Railway	Amrutvel	2.0km, N
line	1640	
Water Bodies	Arabian Sea Coast	0.5 km, S from the
		HTL
	Samdiyala Salinity ingress control	4.5 km, WSW
	bund	
	Malan Bandhara	1.5 km E
	Malan River	4.4 KM,E
	B <mark>hambhali R</mark> iver	5.4 Km, W
\simeq	Garasawo River	0.9 KM,NE
Forest	RF near Patwa	2.8 KM,SW
	RF near Doliya	7.4 KM,E
	RF near Dudheri	0.6 KM,S
	RF near Gujarda	0.3 KM,S
	RF near Khared	2.1 KM,E

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/	Yes/No	Details of Certificate/letter issued by
Environmental Sensitivity Zone	CODES	the concerned Department
	C CKE.	mentioning the Lr no, date of grant
700		and remarks
Forest Land within the mine		The Project Proponent has submitted
lease area and (if yes) status of	No	the letter from the Office of the
Forest Clearance	Payments	Principal Chief Conservator of Forests
National Park	No	vide Lr.No: WLP/32/C826-827/2021-
Wildlife Sanctuary	No	22 dated 13.01.2022 regarding the
Elephant/Tiger Reserve	No	map showing the location of protected
Eco-Sensitive Zone(ESZ) /Eco-	No	areas within 10km of the Limestone
Sensitive Area (ESA)		mining project and the and distance of
		protected areas and proposed
		Limestone mine.
		Protected areas Distance
		between

e-KYC	IV	the letter from the C Chief Conserva Bhavnagar vid A/GMN/T11/2075/2 27.01.2023 certifyi turtle rearing/breed	47.6 km 46.7 km nent has submitted Office of the Deputy tor of Forest, e letter no.
Coastal Regulation Zone (CRZ)	No	the letter from the Gujarat, Forest and vide Lr no.ENV-10 19.07.2023 stating project of mining	nent has submitted ne Government of d Environment Dept 1-2023-170-T dated that the proposed at Padhiarka & (333.24 ha), District de CRZ area.
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes C GRES	The Project Proporthe authenticated fauna from the Of Forest Conserva A/Jaman/Te.11/23/05.02.2018 stating Schedule-I species	nent has submitted list of flora and fice of the Deputy tor vide Lr.No:
		(Protection) Amer No 18 of 2022, a n species have b Schedulel such as hyaena, Jackal, E porcupine, Jungle	ent of the Wild Life adment Act, 2022, umber of additional seen added into a Leopard, Striped Bengal fox, Indian cat, Grey wolf, Dog ke, Russell viper,

		Checkered Keelback, Indian Rat snake, Red sand boa and Naag/cobra. Peafowl, Chinkara and Asiatic lion & as per Wildlife ProtectionAmendment Act, 2022, schedule-I species have been updated in WLCP.
Wildlife Conservation Plan	Yes	On the basis of the fauna study findings & list of fauna authenticated by Forest Department, Wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Rs.19.9 Lakh to Rs.65.9 Lakh for all 3 mines. The Wildlife Conservation Plan was approved by the Chief Wildlife Warden vide Lr.No: WLP/32/C670-
Sample Co	orects of She v	672 dated 20.12.2021 with a budget of Rs. 19.9 Lakhs for the conservation of wildlife in the study area.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no.	30.00 Ha.
of saplings proposed	
Budget for green plant & plantation till the end of	90.95 Lakhs
life of mine.	
Budget for nursery	-
Details of existing plantation and its survival rate	-
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10.0
50 m safety zone of nallah, roads, electric lines	10.0

500 m safety zones of nearest habitation	-
villages	
Additional information (if any)	10.00 ha(Backfilled area (Govt.
	wasteland))

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro	geological study/ Traffic Study/ others)
Period of baseline data collection	01.03.2021 to 02.06.2021
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and results	16
Noise level (no. of locations) and results	16
Water Quality (no. of locations) and results	15
Soil Quality (no. of locations) and results	12
Hydro geological study and results	As per planned mining and Report of hydrogeological & hydrological studies of core and buffer zone of Gujarda, Dudheri & Dudhala limestone mine, the ground water table may get Intersected in post monsoon during 11th year at conceptual pit bottom level of +1.0 AMSL. However, conceptual pit bottom level will be kept above ground water level i.e. +4.0m AMSL to avoid intersecting ground water level.
Traffic study (no. of locations) and results	The traffic volume survey was conducted on Bhavnagar to Una Road (NH8E/51) Near Vangar Village. Total numbers of vehicles were found as 6793 per day and equivalent PCUs is 9382 per day. There will be daily movement of 480 numbers of dumpers (to & fro) per day or 1440 PCU/ day on the road.
	01 location & V/C = 31.27

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &
major national daily and one regional	Indian Express
vernacular daily newspaper)	

Date of PH	28.04.2023
Venue	At the premises of Nirma Cement Plant
	Area, NH 8E/51, Survey No. 80, Village:
	Padhiyarka, Taluka: Mahuva, Dist.
	Bhavnagar
Chaired by	District Collector & District Magistrate,
	Bhavnagar District & Regional Officer,
	GPCB Bhavnagar
Main issues raised during PH	Air pollution, salinity ingression, wildlife
	protection, acquisition of agriculture land
Budget proposed for addressing issues	Rs. 77 Lakhs
raised during PH over 3 years	

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upto 24/01/2028.
Consent to Operate	
Certified Compliance Report and	
Inspection date	
Certified Production Details from	Fresh mine
the inception of the mine (in	
tabular form against the EC	
capacity)	

xiv. Rehabilitation & Resettlement (R&R):

R & R details	The total mine lease area is 332.24 ha, out of
	which Govt. land is 133.0154 ha and Private land
170	is 199.2246 ha.Land will be required for quarrying
.6	an area of 100.61 ha of Private land and
	Government land including 08 houses/hutment in
e-pa	Padhiarka village and 27 houses/hutment in Doliya
	villages. The houses/hutment fall in the conceptual
	pits of the mine lease. There will be total of 683
	project affected land losers. There will be direct
	purchase or leasing of private land, with the willing
	consent of the private land owners. Approx. total
	compensation will be Rs 35.0 Lakhs. In addition to
	above, the registration cost of sale of the land and
	homesteads shall be borne by the Company.
	Assuming it to be 6% of theentire costs of sale, the

total resettlement budget works out to be Rs. 59.93
lakhs (6% of land value).

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related to
	environment and pollution matters in which the
	project proponent is a respondent.

xvi. Affidavit/Undertaking details:

7 tilladvit oliaoitattilg actaile:	
Affidavit as per Ministry's OM dated	The Project Proponent has submitted an
30.05.2 <mark>018</mark>	undertaking by way of notarized Affidavit dated
	09.10.2023 stating that the proposal does not
	involve violation <mark>of Ministry's OM dated</mark>
	30.05.2018.
Undertaking by Project Proponent in	The Project Proponent has submitted an
EIA/EMP report	undertaking vide letter dated 04.01.2023 stating
	that the contents (information and data) as given
/ 7/	by the Consultant in the EIA/EMP report are
	factually correct with full knowledge of the
	undersigned (Shri Ashish Desai).
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre for
EIA/EMP report	Envotech & Management Consultancy Pvt. Ltd)
Share Share	has informed that the baseline data was generated
8	by MoEF &NABL Accredited Laboratory M/s Min
3	Mec R&D Laboratory, a division of Min Mec
77.	Consultancy Pvt. Ltd., New Delhi and the same
3/2	has been verified and also confirmed that he shall
Ce	be fully accountable for any misleading information
	mentioned in this statement.
Plagiarism Certificate	vments

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S	Observation	Reply by Project Proponent
	of EAC in	
	the 21st	
	meeting	

N 0	held during 18-20th October, 2023	
1.	The site visit report of the subcommitt ee.	Site visit has been conducted by subcommittee on 22nd - 25th December, 2023.
2.	Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit No Objection Certificate from Ministry of Defense for consideratio n of the instant project.	Project Proponent has submitted a letter for issuance of NoC/Clearance from Ministry of Defence vide application dated 10.11.2023. We also have submitted letter to Department of Geology & Mining, Govt.of Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defense, Govt.of India vide application dated 07.12.2023. As per our understanding, there is no clarity or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our humble request is that issue the EC without condition of obtaining NOC from MoD.
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportati	The mine is captive mine to proposed cement plant at Mahuva and Highgrade limestone to be used in company's own existing Soda Ash plant located at Kalatalav, Bhavnagar as per permission accorded by the Govt. of Gujarat vide letter dated: 17.08.2023. The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

on of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).

Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational.

Hence, till the commencement of proposed cement plant, maximum 5% i.e. 450 TPD chemical grade limestone will be transported through dumpers @18 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar.

Company is very much keen to establish cement plant as early as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity.

We assure your kind authority that we will widen the black top of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening has been submitted to the MoEF&CC.

Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC.

4. The Project Proponent needs to explore the possibility of laying over bridge over the Highway and shall submit the permission from the National

Highways

Since, the National Highway is under construction, we have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near our cement plant entry point or any other option suggested by NHAI for transportation of raw material & finished product. Acknowledgment dated 23.10.2023 has been submitted.

Authority of India (NHAI). The Project Samdhiyala Salinity Ingress Control bund (Samdhiyala bund) 5. Proponent was constructed by Government of Gujarat in the year 2000 on needs to Motpet Creek to prevent sea water from coming towards landward side. On the landward side, rain water gets submit the accumulated as well. protection measures to be taken for salt Presently, the accumulated rain water of Samdhiyala bund is water being used during post monsoon by adjoining agriculture land intrusion owners and in other seasons they are extracting ground water and the through borewell. For agriculture land which is away from effectivenes Samdhiyala bund, farmers are extracting ground water through s of the borewell for agriculture due to which salinity & TDS are increasing salinity in ground water. ingress control bund. water management strategy, company's commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund. At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease. During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund. After exhaustion of mineral, voids left will act as natural water harvesting structures. Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.

Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation. In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund. The Project In this regard, following site specific mitigation measures will be 6. Proponent taken: needs to Arabian Sea is situated at distance of more than 0.5 km in the submit the south of the said mine lease and is clearly outside the CRZ area site specific which is certified by GCZMA. Letter dated 19.07.2023 has been mitigation issued to M/s Nirma ltd. from GCZMA. measures for There was only one probability of sea water coming to mine lease area which is through Motpet Creek. Samdhiyala Salinity ingress backwaters from bund has been constructed on Motpet Creek to restrict backwater Arabian coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea to come to Sea coming into the mine lease area. mine lease Hydrogeological monitoring network will be established by area. constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well. The Project The Indian Bureau of Mines, Govt. of India, Gandhinagar has 7. Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for needs to the period of 5 years i.e. up to 2025-26. revisit the As per approved Mining Plan, Removal of soil and its disposal plan for as below. backfilling Year: FY 2021-22 to FY 2025-26 with clearly indicating Removal of soil(cum):249806 the voids area and Means of disposal: *Temporary stacking at one location near Proposed Pit no.1. the capacity available/re quired for backfilling.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha): 6.20

Year: FY 2026-27 to FY 2031-32

Removal of soil(cum):321894

Means of disposal: *Temporary stacking at one location till 2026-27 and then, temporary stacked soil will be shifted for Backfilling.

Simultaneously Utilized for Back filling of shallow pits of around 4.0 m depth Proposed Pit No. 6.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha):Nil

Total

Removal of soil(cum): 571200

Area covered under stacking (ha): nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period = 114.24 ha

Total soil removal envisaged till conceptual period = 0.57 million cum

(114.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha

Ultimate Dimensions of Pits at the end of conceptual period

Pit No.: 1

Pit Area covered (ha):49.56

Pit Top (m AMSL):20 to 14

Pit bottom (m AMSL): 10

Pit Depth in in m: 10 to 4

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 2

Pit Area covered (ha):12.78

Pit Top (m AMSL):13 to 11

Pit bottom (m AMSL): 8

Pit Depth in in m: 5 to 3

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 3

Pit Area covered (ha):14.40

Pit Top (m AMSL):13 to 11

Pit bottom (m AMSL): 6

Pit Depth in in m: 7 to 5

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 4

Pit Area covered (ha):17.51

Pit Top (m AMSL):17 to 12

Pit bottom (m AMSL):11 Pit Depth in in m: 6 to 1 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 5 Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 6 Pit Area covered (ha):15.66 Pit Top (m AMSL):10.5 to 4 Pit bottom (m AMSL):4 Pit Depth in in m: 6.5 to 0 Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha for entire depth - 570000 cu.m Total Pit Area covered (ha): 114.24 Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m) The Project 8. As advised, revised wildlife conservation plan incorporating the Proponent Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 has been submitted. needs to revise the activities proposed under the Wildlife Conservatio n Plan. The

Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservatio n Plan for their conservatio n. Type of land: Private The EAC 9. was of the Land rate, Rs. Lakh/ ha: 13.00 * view that Land requirement, ha: 100.22 the compensati Total Amount Rs. lakhs: 1302.86 on rate is very less and asked Type of land:Government the Project proponent Land rate, Rs. Lakh/ ha: On mining lease to revisit Land requirement, ha: 14.02 and justify the budget Total Amount Rs. lakhs: _ proposed for Resettleme Total nt & Land Rehabilitati on (R&R). requirement, ha: 114.24 The Project

Total Amount Rs. lakhs:1302.86 Proponent also needs to submit the action Total amount given considering as per DLC rate. However, land plan for will be procured/get consent for mining purpose on mutual land agreed market rates. acquisition and timeline. Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates. Type of homestead:Pucca Rate, Rs. /sq.m.: 10000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Semi pucca Rate, Rs. /sq.m.: 5000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Kutcha Rate, Rs. /sq.m.: 2000 Approx. Homestead area**, sq.m.:360

Total compensation, Rs. lakhs: 36

Total

Approx. Homestead area**, sq.m.: 360

Total compensation, Rs. lakhs: 36

Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining

activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr. No: 1

Timeline for land requirement(present)

Sr. No.:1.1

Timeline for land requirement(present): purchased

Pvt. Land:49.49

Govt. land:0

Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67

Govt. land:0

Total: 25.67

Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0

Govt. land:115.67

Total: 115.67

Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21

Govt. land:0.02

Total: 54.23

Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual stage -11th year

Pvt. Land: 102.70

Govt. land:14.04

Total: 116.74

Sr. No.:2.3

Timeline for land requirement(present):Minelife (up to lease period)

Pvt. Land: 565.94

Govt. land:115.67

Total: 681.62

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the

land before entry in pvt. land for starting mining activity in the mining lease area. The Indian Bureau of Mines, Govt. of India, Gandhinagar has The Project Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for the needs to period of 5 years i.e. up to 2025-26. submit the action plan for year Looking towards the systematic exploration of the entire area, wise 182 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with exploration MEMC Rules 2015 and MCDR 2017 as per approved mining program. plan. The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 182 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval. Program of Future Exploration YEAR:2021-22 to 2025-26 No. of BH: PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77 Grid Interval:400 m Total Meterage: Up to +1.0 MRL YEAR:2021-22 to 2025-26 No. of BH: PBH-37,41,43,61,66,79, 81,83,96,100,115,117,119,121,143,141,139,137,135,133,167,1 65,163,169,171,173,179,181

Grid Interval:400 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-18,19,20,21,22,23, 27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,62-65,67,71-74,76,93,94

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-68-70,82,84,78,80, 85-92,95,97-99,101-116, 118,120,122,123,124-127

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-178,180,182

Grid Interval:200m or below

Total Meterage: _

YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m Grid Interval: Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable. The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. The Project Permission accorded by the Govt. of Gujarat vide order dated: Proponent 17.08.2023 for utilization of Chemical Grade of Limestone for needs to non-cement purposes has been submitted. submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for noncement purposes. The Project The company has not carried out any mining within the lease area Proponent much less any illegal mining in the lease area. There are old pits needs to pre-dating the allotment of the lease to the company, which were submit a received in legacy and shown in the present surface geological letter from plan. Request letter in this regard has been submitted to Department of Geology and Mining, Government of Gujarat on the

Department 03.11.2023. Acknowledgement of the same has been submitted of Geology by the Project Proponent. and Mining, Governmen t of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not? Site Visit Recommendation Reply by project proponent PP should Action plan and Timeline indicating the purchase /obtain surface submit an rights of land for mining for all three mining leases to initiate mining activities has been submitted by the Project Proponent. action plan and timeline to indicate the purchase of lands across all three mining leases wherein it has

proposed mining pits to initiate

mining activities since as on date PP has only purchased / obtained surface rights over 101.1967 Ha out of 1351.6489 of Private Agriculture Land. Since PP In said mine, survey has been conducted & one pit i.e. Pit No. 6 2 envisages (Pit area -15.66 Ha) will have shallow depth pit and will be to handover backfilled for entire depth of pits, looking to availably of soil for the land backfilling with shallow Pit no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire quarry depth. having depth upto Action plan for backfilling of shallow depth pits of depth up to 4.0 4m to m and handing over to farmers for agriculture has been landowners submitted by the Project Proponent. for farming and mostly all three mining leases are having agricultural land. PP is requested to conduct a survey to indicate the present status and number of low-lying areas, their

	T	
	respective	
	which may	
	be	
	backfilled	
	with	
	available	
	capacity of	
	top	
	soil/overbur	
	den and	
	can be	
	handed	216
	over to	S. C.
	farmers for	
	agri <mark>cultural</mark>	
	purpose.	RIVE
3	Project	Exploration plan of said mining lease has been submitted by the
	Proponent	Project Proponent.
1.4	needs to	
	provide	
	year wise	
	exploration	No.
	plan for all	
	the three	
	mining	
	leases.	
	100000.	A Page State of the state of th
4	Since,	Chitra Industrial area (severely polluted area) in Bhavnagar city
	Bhavnagar	is located around 100 km away from our said mining lease area.
	falls under	On initial stage, company will engage water tanker with sprinkler
	severely	
	Polluted	arrangement to suppress the dust on haul road and company will
	Area	make provision of permanent water sprinklers across the haul
	category,	roads in all three mining leases.
	PP shall	- Cayments
	ensure that	
	during	
	initiation	
	phase itself	
	they should	
	include the	
	provision of	
	permanent	
	_ ·	
	water	

sprinklers across the haul roads in all three mining leases. 5. Since. Company will ensure to maintain require safety measures & Bellur and distance from Bellur School & other schools as per DGMS norms other for all three mining leases during mining. schools are in close proximity to mine lease area, PP shall ensure that necessary safety measures are taken as per **DGMS** norms for all three mining leases. PP shall 6. The low lying area is where the rain water accumulates ensure to temporarily during monsoon. These are not notified as wetlands construct either under Ramsar Convention or by Central Govt. or State bunds near Govt. Hence, the identifications and provisions under Wetlands the existing (conservation and Management) Rules, 2017 do not apply in this case as per clause 3 of aforesaid Rules. low lying areas that Moreover, Padhiyarka and Doliya Limestone Mine lease area and has Gujarada, Dudheri & Dudhala limestone mine lease area are developed located at a distance of more than 500 m from High Tide Line of into wetland sea & also this area (between sea and low lying area in our to prevent mining lease area) have higher altitude, therefore, there is no the ingress chance of sea water ingress in mining lease area. of sea water However, company will construct bunds as and when required. Padhiyarka and Doliya Limestone

Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area.

There is no Ramsar convention/ Central or State Government notified wetland in and nearby our mining lease area. The water bodies such as river channels and human-made water bodies (such as submergence areas of Samdhiyala Bandahara, Malan Bandhara) are excluded from the definition of wetlands as per Wetlands (Conservation and Management) Rules, 2017.

There are low lying areas, in which rain water accumulates temporarily during monsoon. Mining activity will contribute towards enlargening & deepening such areas in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala making a positive contribution to fresh water storage. The company does not intend to have any other use for these low lying areas.

As part of the integrated management plan for protection of water logged areas in and around the project, following steps shall be undertaken:

- Company will not do mining below 2 m AMSL in this low lying area so that there is no salinity ingress due to mining activity.
- Piezometer will be installed at designated locations to monitor changes in ground water level.
- Other allied activities such as transportation will be carried out by maintaining safety distance from this low lying area
- In this area of Gujarat, water logging due to rain water is a common phenomenon and resident water birds take advantage of such seasonal water logging to feed. Hence, company has proposed several measures as part of the wildlife conservation plan, with 3-year budget, as follows:
- Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 lakhs)

7. The project Proponent needs to submit the integrated manageme nt plan describing the strategies and actions for achieving wise use of the wetland and the plan shall include objectives of the site manageme nt, manageme nt actions required to

achieve the objectives.

factors that

affects, or

may affect,

the various

features,

monitoring requirement

site

s for detecting changes in ecological character and for measuring the effectivenes s of manageme nt, and resources for manageme nt implementat ion.

- Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs)
- Assisting Plantation activities to be carried out by Forest Department, Bhavnagar (Rs. 1.5 lakhs)
- Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lakhs)
- Provision of equipments, camera, binoculars for efficient monitoring and eco-tourism promotion (Rs. 7.5 lakhs)
- Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lakhs)
- Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs)
- Public education and awareness programmes for the following - Avoiding plastic, Recycle and reuse, Reduce usage of pesticide and weedicide, Conservation of Wildlife, Garbage control (Rs. 3 lakhs)

Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs)

8. PP needs to engage and impart skill among the villagers and local population mainly the land losers and also submit a plan for their alternate livelihood arrangemen t since most of them will be losing their fertile

lands.

Company will not acquire any agriculture land through land acquisition by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates.

Land owners may purchase agriculture land in nearby area in the amount which is to be paid to them against their land and can continue their livelihood.

Company will give priority to engage land owners who have given land for mining purposes as per requirement of manpower for mines.

Also, company will arrange to impart training to build capacity for self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year).

9.	PP should widen the existing village roads before using it for transportati	On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use existing village road for transportation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 18 numbers of trips/day maximum in this mine.
	on in all three mining leases, wherever widening is not possible, PP shall submit an action plan for making alternate roads.	Company will widen the existing village road or make alternate road in all three mining leases on installation of cement plant. Section plan of the road widening has been submitted by the Project Proponent.
1 0	PP should engage wildlife experts/ avian experts for conservatio n of the avian fauna within and near its mine lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.
1	PP shall plant native fruit bearing plants across all the proposed	Native fruit bearing plants will be planted across all the proposed green patches.

	green patches.	
1 2	PP shall put boundary pillars across all mining leases.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars coordinates through the DILR / State Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/ removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.
1 3	The project proponent needs to submit a letter from the Department of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?	The company has not carried out any illegal mining in the lease area and request letter to provide required certificate regarding no mining carried out by company or others has been submitted to the District Geologist, Department of Geology and Mining, Government of Gujarat, Bhavnagar vide letter dated: 01.11.2023. In turn, the District Geologist, Bhavnagar has submitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024 to communicate the same to MoEF and copy endorsed to us. As per his report, No case of Illegal mining of limestone mineral has been registered within the mining lease area against the company M/s Nirma Limited or against any other individual or entity. Copy of our submitted letter dated: 01.11.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bhavnagar dated 01.02.2024 has been submitted by the Project Proponent.
1 4	PP needs to submit plan to transport crushed	The mine is captive mine to proposed cement plant at Padhiarka, Mahuva and High grade limestone to be used in company's own existing Soda Ash plant located as Kalatalav, Bhavnagar.

	limestone from all the three leases	The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.
	to plant.	Establishment of cement plant may take some time while the soda ash plant is already operational.
		Hence, till the commencement of proposed cement plant, maximum 5% i.e. 450 TPD limestone will be transported to Soda ash plant located near Bhavnagar through dumpers @18 trips per day. The trucks will pass through existing Dudhala - Amrutvel village road of 7 m width (out of which 4 m is black topped) for around 1.0 km and meet National Highway no. 51, from where the truck will move around 100 km.
1 5	PP needs to take some measures	Migratory birds are seen in Malan Bandhara as well as other nearby Bandhara areas, which areas located at distance of 1.5 km and 4.5 km from our mining lease area, respectively.
/	to keep the migration bird ponds un harmed	Birds are also seen in low lying area, in which rain water accumulates temporarily during monsoon. However, they are pre-dominantly resident water birds.
	and protected by activity of mining in	The company is committed to the measures proposed in the site specific wildlife conservation plan (summarised in point 7 earlier), which include points related to protection of shallow ponds, ecology and birds.
	future.	The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala will provide more area to birds. Also company will ensure that transportation will be carried out by maintaining safety distance from low lying areas.
1 6	PP needs to install water treatment plant to reduce the hardness of water.	Drinking water is provided in every nearby villages through Narmada water pipeline by the State Govt. and drinking water requirements for mines shall also be fulfilled through Narmada water pipe line which is passing through nearby area. Hence, presently there is no proposal to use the hard ground water. However, if any requirement sought in future we will provide treatment plant.
1 7	PP needs to explore possibility of deploying surface	Company has proposed mining with surface miner (50% quantity) in IBM approved mine plan and also in EIA report. Company explored use of Ripper dozer for cement plant use to eliminate drilling & blasting in the remaining 50% and committed the same in point no. 3, Specific Terms of Reference received from

miners for	MOEF&CC vide Letter no. J-11015/154/2016-IA. II(M) dated
mining.	November 28, 2022.
	For soda ash plant, we need sized limestone i.e. 25 mm to 100 mm, so surface miner cannot be deployed for limestone mining for Soda ash plant use. However, company will deploy rock breaker to avoid blasting during mining.

xi. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Pollution Control	0.291	10.12
Pollution monitoring	0.016	3.88
Occupational health	0.014	0.95
Environmental Studies, etc.	0.10	_
Green belt		5.10
Reclamation	C	10.03
Others (Environmental studies,	ব্রার চন ১	5.48
Rehabilitation, Realignment, Expert		
advice, fencing etc.		
Overheads	12. 1-1	0.32
Total	0.421	35.87

xii. Details of project cost and employment:

Particulars	(Rs. In Crore)	
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	1.19	
Project Cost	25	
Employment (No.s)	84	

3. Observation and Recommendation of the EAC

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21stEAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC **deferred** the proposal for the want of following information:-

- I. The Proponent shall submitNo Objection Certificate from Ministry of Defence for consideration of the instant project.
- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.

- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- VII. The Project Proponent needs to submit time line for acquiring land from the villegers.
- 1.5 Vangar & Madhiya Limestone Mine for mining of Limestone with production capacity of 1.6 MTPA in the mine lease area of 612.1336 ha by M/s Nirma Limited located at Villages Vangar & Madhiya, Tehsil Mahuva, District Bhavnagar (Gujarat) Reconsideration for Environmental Clearance reg[Online Proposal No: IA/GJ/MIN/443498/2023; F.No: J-11015/152/2016-IA.II(M)][EIA Consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for mining of Limestone in Vangar & Madhiya Limestone Mine of M/s Limited for mining of Limestone with production capacity of 1.6 MTPA in the mine lease area of 612.1336 ha, located at Villages Vangar & Madhiya, Tehsil Mahuva, District Bhavnagar (Gujarat).

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The mine lease area is located between Latitude 21°01'44.54" to 21° 03' 40.04" N and Longitude 71°39'18.3"E to 71°41'05"E. The mine lease area falls under the Survey of India Toposheet No: 41 O/12 (restricted)and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
- iii. Details of Terms of Reference (ToR):

Date of	Proposal No/ File No	Consideratio	Details of ToR	Date of
application		n by EAC		accord
18.11.202	IA/GJ/MIN/403568/202	06.12.2022	Letter no. J-	23 rd
2	2		11015/152/2016	December
			-IA.II (M)	, 2022

iv. Details of Mine Lease in chronological manner:

S.no	Prospecting	Date of the	Name of	Period	Granted by	Mine
	License/	grant	the	of Grant		lease area
	Letter of		Mineral &			in Ha
	Intent (LoI)/		(Major/			
	Grant of		Minor)			
	Mine lease					
	and Lr No					
1	MCR-	15.02.2008	Limestone	30 years	IMD,	1225.8553
	102004-				Government	
	1827-CHH	WYC			of Gujarat	
2	MCR-	08.01.2017	Limestone	50 years	IMD,	612.1336
	10 <mark>2004</mark> -				Government	
	1827-CHH				of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine	
	Mine Lease deed	From	То	the	lease	
	execution	108		Mineral	area	in
		5	1.37		На	
1	MCR-102004-	1 <mark>1.01.2</mark> 017	10.01.2067	Limestone	612.13	336
	1827-CHH				Š	

v. Land Use/Land Cover of the Mine Lease Area:

Private land	586.4789
Government land	25.6547
Forest land	C CDEEN S
Total Mining lease area (MLA), ha	612.1336
Private land for crusher, workshop	No any facilities outside the ML area. However
& other infrastructure outside the	crusher will be installed at company's Cement
MLA	Plant.
Additional information (if any)	ayments

vi. Mining plan details:

Mining	Plan	including	Letter No.	File No.: 684(4)(1)/MP-
Progressive Mine Closure Plan				347(196)/2021-22
(approved by Indian Bureau of				GNR/1125
Mines/DM	G)		Date	05.08.2021
		Mineral &	Major	
			(Major/Minor)	

Ha Validity Validity 31.03.2026 Mining Parameters Quantitative Description Method of Mining Opencast mechanized Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl New mine		Mine Lease Area,	612.1336
Mining Parameters Method of Mining Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves Mineable Reserves Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (Conceptual) bench Optimum No. of Mine Benches Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl Multi-row drilling and V-pattern drill holes for deep hole drilling and V-pattern drill holes for deep hole and V-pattern drill holes for deep hole drilling and blasting. Slury explosive cap sensitive.		•	
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into category of reserves 111) Mine Bench Height & Bench (6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Life of mine	13 years (Life of mir	ne may be increased subject
Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m		to conversions of re	sources under 333 category
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No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Min <mark>e Bench Heig</mark> ht & Bench	6.0 m, for working	bench 12-15 m for closing
Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Width		Optimum
Ultimate Depth of Mining, m bgl 10 m	No. of Mine Benches		
		New mine	
Cround Motor Toble we had			55
	Ground Water Table, m bgl	15 m (Post monsoon	-
		No ground water will be encountered during	
	intersection	planning stage i.e. in 5 years of working plan in	
neither pre monsoon nor post monsoon season in	\ o \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
any of the pits. Ground water will also not intersect		734 4 49	
during mining at the end of mine life. However, the	O. T.		
ground water table may get touched in post			
monsoon in pit no. 4 & 5 when the proposed		- 01/-	
conceptual pit bottom level of +1.0 m AMSL is achieved. To avoid any accidental intersection of	170		
ground water table, the Company has now	- 0		
decided to restrict mining depth to +2.0 m AMSL			
in pit no. 4 & 5.			ining deput to 12.0 m / ivide
Individual bench slope 80-85°	Individual bench slope		
Overall pit slope ~ 45°	·		
Details of existing/ proposed Proposed crusher will be installed at Cement			will be installed at Cement
Crusher Plant.	l	•	
Mineral Beneficiation -	Mineral Beneficiation	-	
RoM output size -	RoM output size	-	
Transportation details including Internal haul road from mine face to crusher and	-	Internal haul road fr	rom mine face to crusher and
capacity of dumper/tipper, by conveyor from crusher to the Cement plant	capacity of dumper/tipper,	by conveyor from	crusher to the Cement plant
mode of transport and distance adjacent to the mine lease.	mode of transport and distance	,	

	<u> </u>	
	For the Soda Ash Plant located at approx.100 km	
	at Kalatalav, Bhavnagar limestone will be	
	transported in dumpers/ trucks through National	
	Highway 51.	
	Internal haul road from mine face to crusher	
	means of dumper/tippers of 25 tonnes capacity.	
Generation of Topsoil/OB & its	Top soil at 1 st plan period- 150000 cu.m,	
Management during plan	temporary stacking at one location	
period & conceptual period	Top soil at 2 nd plan period- 840000 cu.m,	
	temporary stacking at one location	
	Top soil at conceptual period-380000 cu.m,	
VYC	simultaneously backfilling	
Generation of Mineral Rejects/	Nil	
Waste & its Management		
during plan period & conceptual		
period		
Additional information(if any)	Surface miner as well as ripper/dozer & rock	
	breaker will be used for mining to minimize drilling	
8 / 2 / 2	& blasting.	

vii. Water requirement:

Total water requirement	42 KLD	Fresh water	3 KLD
		Treated water	39 KLD
Source	i. Fresh water pipeline/Water ta		armada water
8	ii. Water harvested season.	d within mine lea	ase during rainy
	iii. Treated water s		rater of RO /DM ant (proposed at
2/2	Cement plant)	itor or ito /Bivi pi	ан (ргорозса ат
Permission for withdrawal/	Permission for water	withdrawal from	Narmada water
intersection along with	pipeline has bee	<mark>n</mark> taken vid	e letter No.
details of grant and its validity	GWIL/Bhavnagar/Ind.	conn./1257 date	d 4.06.2008.

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Vangar	0.25 km, NW
	Madhiya	0.25 km, SE
Town	Mahuva	6.2km, ENE
Highway	NH-51 (Una-Mahuva	Within
	highway)	

Interstate Boundary	Rajasthan	Approx.500 KM,N
Railway Station/Railway	Amrutvel	2.0 km, N
line		
Water Bodies	Arabian Sea Coast	3.4 km S to the HTL
	Samdiyala Salinity ingress	2.3 km, SSW
	control bund	
	Bhambhali River	0.9 Km, W
	Malan River	7.4 KM,E
	Malan Bandhara	5.4 KM,SE
	Garasawo River	2.5 Km,NE
Forest	RF near Patwa	2.1 KM,S
	RF near Doliya	3.3 KM,SSE
	RF near Dudheri	3.9 KM,SE
	RF near Gujarda	4.3 KM,SE
	RF near Khared	6.3 KM,SE

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/	Yes/No	Details of Certificate/letter issued
Environmental Sensitivity	33	by the concerned Department
Zone		mentioning the Lr no, date of grant
/4	145	and remarks
Forest Land within the mine		The Project Proponent has
lease area and (if yes) status	No	submitted the letter from the Office
of Forest Clearance		of the Principal Chief Conservator
1		of Forests vide Lr.No:
		WLP/32/C826-827/2021-22 dated
	"Ofects of SV	13.01.2022 regarding the map
		showing the location of protected
	PCCDI	areas within 10km of the Limestone
	CK	mining project and the and distance
200		of protected areas and proposed
		Limestone mine.
). D.	Protected Distance
	raymer	areas between
National Park	No	Limestone
Wildlife Sanctuary	No	mines and
Elephant/Tiger Reserve	No	Protected
Eco-Sensitive Zone(ESZ)	No	areas
/Eco-Sensitive Area (ESA)		Gir National 76.0 km
		Park
		Gir Wildlife 44.2 km
		Sanctuary

Coastal Regulation Zone	Yes	Mitiyala Wildlife Sanctuary The Project Proponent has submitted the letter from the Office of the Deputy Chief Conservator of Forest, Bhavnagar vide letter no. A/GMN/T11/2075/22-23 dated 27.01.2023 certifying that the nearest turtle rearing/breeding site is located at a distance of about 70km away from the mines. Arabian Sea Coast: 3.4 km S to the
(CRZ)	l V	HTL The proposed project lies beyond distance of 0.5 km from High Tide Line of Arabian Sea Coast. The CRZ map has been prepared by Institute of Remote Sensing, Anna University, Chennai. ML area outside CRZ- GCZMA letter no.ENV-10-2023-170-T dated 19.07.2023
Schedule-I species (Nos. and name of schedule-I species with authenticated letter)	Yes Construction Payment	As per WLCP approved on 20.12.2021 (3 nos.): Peafowl, Chinkara and Asiatic lion Additional as per WPA amendment of 2022 (9 nos.): Indian Leopard, Striped Hyena, Jungle Cat, Indian Fox, Jackal, Indian Grey Mongoose, Indian Porcupine, Indian Grey Wolf, and Eurasian Spoonbill The above have been updated in WLCP.
Wildlife Conservation Plan	Yes	On the basis of the fauna study findings & list of fauna authenticated by Forest Department, Wildlife Conservation Plan (WLCP) was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021. Rs.

19.9 lakh had been approved for the conservation of wildlife in the study area.
The WLCP has been updated w.r.t. Schedule-I species as per WPA amendment of 2022 and budget allocation has been increased to Rs.65.9 Lakh for all 3 mines.

x. Green belt/plantation details:

Proposed area for green belt/plantation and	26.50 Ha.
no. of saplings proposed	Ar.
Budget for green plant & plantation till the end	80.35 Lakhs
of life of mine.	
Budge <mark>t for nursery</mark>	-2
Details of existing plantation and its survival	-0
rate	
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	16.50
50 m safety zone of nallah, roads, electric	10.00
lines	
500 m safety zones of nearest habitation	- // 8
villages	

"Ofects of She is

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / others)	Hydro geological study/ Traffic Study/
Period of baseline data collection	01.03.2021 to 02.06.2021
Season (Summer / Pre-monsoon / Post-	Summer
monsoon / Winter)	
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and	16
results	Core zone (1 no.) - PM10 from 40.8 to 68.8 μ g/m³, PM2.5 from 21.7 to 37.4 μ g/m³, SO ₂ from 4.8 to 7.7 μ g/m³ and NO ₂ from 4.9 to 10.5 μ g/m³. Buffer zone (15 nos.) : PM10 from 27.6 to 71.7 μ g/m³, PM2.5 from 11.2 to 40.0 μ g/m³, SO ₂ from 2.7 to 10.2

	μg/m ³ and NO ₂ from 3.6 to 14.5
	µg/m ³ .
Noise level (no. of locations) and results	16
	Core zone: 48.95 dB(A) during day time and 41.42 dB(A) during night
	time
	Buffer zone : Between 47.57 dB(A) to
	52.46 dB(A) during day time and
	39.42 dB(A) to 42.89 dB(A) during
	night time.
Water Quality (no. of locations) and results	15 (12 ground water and 3 surface)
1670	water sampling stations were
e.	monitored within the study area. All
	the parameters of ground water were
T	well within the permissible limits as
	per IS 10500: 2012. The surface
	water quality in all samples was
्र प्राप्त कर कर कर के कि का कर	found B to below E class. The result
	indicates that the maximum and
~ //	minimum values of DO ranges
	between 5.8 to 6.3 mg/l, hardness
	ranged between 360 - 8300 mg/l in
	surface water.
Soil Quality (no. of locations) and results	12
3	pH ranges between 7.7 - 8.2,
25	Potassium ranges from 157.0 - 845.0
Otects of S	kg/ha and Nitrogen ranges from 0.01
Hydro geological study and results	- 12.57 mg/kg As per planned mining and Report of
Hydro geological study and results	hydrogeological & hydrological
	studies of core and buffer zone of
² Co	Vangar & Madhiya limestone mine,
	the groundwater table may get
C-Dayuna	touched in post - monsoon in pit no.
rayme	4 & 5 when the proposed conceptual
	pit bottom level of +1.0 m AMSL is
	achieved. To avoid any accidental
	intersection of ground water table,
	the Company has now decided to
	restrict mining depth to +2.0 m AMSL
	in pit no. 4 & 5.
Traffic study (no. of locations) and results	The traffic volume survey was
staay (s. or locationly and rocatio	conducted on Bhavnagar to Una
	Road (NH8E/51) Near Vangar

Village. Total numbers of vehicles
were found as 6793 per day and
equivalent PCUs is 9382 per
day. There will be daily movement of
512 numbers of dumpers (to & fro) per
day or 1536 PCU/ day on the road.
01 location & V/C = 31.27

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &
major national daily and one regional	Indian Express
vernacular daily newspaper)	CAR.
Date of PH	28.04.2023
Venue	At the premises of Nirma Cement Plant
0	Area, NH 8E/51, Survey No. 80, Village:
	Padhiyarka, Ta <mark>luka</mark> : Mahuva, Dist.
a Re	Bhavnagar
Chaired by	District Collector & District Magistrate,
	Bhavnagar District & Regional Officer,
	GPCB Bhavnagar
Main issues raised during PH	Air pollution, salinity ingression, wildlife
	protection, acquisition of agriculture land
Budget proposed for addressing issues	34 Lakhs
raised during PH over 3 years	
Additional information (if any)	

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upto 24/01/2028.
Consent to Operate	Payments
Certified Compliance Report	-
and Inspection date	
Certified Production Details	Fresh mine
from the inception of the mine	
(in tabular form against the EC	
capacity)	

xiv. Rehabilitation & Resettlement (R&R):

R & R details	For private land, company has obtained surface
	rights for mining by purchasing land/consent in
	some of the land & for remaining land, company
	is in process to procure ownership or surface
	right for mining on mutually agreed commercial
	terms. Rs. 2466.88 lakhs cost envisaged for
	land (189.76 ha) and Rs. 48 lakhs approx. for
	homestead.

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related
	toenvironment and pollution matters in which
	the project proponent is a respondent.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	The Project Proponent has submitted an
dated 30.05.2018	undertaking by way of notarized Affidavit dated
	09.10.2023 stating that the proposal does not
	involve violation of Ministry's OM dated
	30.05.2018.
Undertaking by Project Proponent	The Project Proponent has submitted an
in EIA/EMP report	undertaking vide letter dated 04.01.2023 stating
	that the contents (information and data) as
30	given by the Consultant in the EIA/EMP report
	are factually correct with full knowledge of the
3. 100	undersigned (Shri Ashish Desai)
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre
EIA/EMP report	for Envotech & Management Consultancy Pvt.
	Ltd) has informed that the baseline data was
	generated by MoEF &NABL Accredited
e-1	Laboratory M/s Min Mec R&D Laboratory, a
	division of Min Mec Consultancy Pvt. Ltd., New
	Delhi and the same has been verified and also
	confirmed that he shall be fully accountable for
	any misleading information mentioned in this
	statement.
Plagiarism Certificate	

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2024 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S. No	Observation of EAC in the 21 st meeting held	Reply by Project Proponent	
	during 18-20 th October, 2023		
1.	The site visit report of the subcommittee.	Site visit has been conducted by subcommittee on 22nd -25th December, 2023.	
2.	Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit No Objection Certificate from Ministry of Defense for consideration of the instant project.	 We have submitted letter via registered post to Ministry of Defense, New Delhi, Govt.of India for issuance of NOC in this regard. Copy of the same is attached on Parivesh Portal. We also have submitted letter to Department of Geology & Mining, Govt.of 	
	of the instant project.	Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defense, Govt.of India. Copy of the same is attached on Parivesh Portal. • As per our understanding, there is no clarity	
		or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our humble request is that issue the EC without condition of obtaining NOC from MoD.	
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m	 The mine is captive mine to proposed cement plant at Mahuva and Highgrade limestone to be used in company's own existing Soda Ash plant located at Kalatalav, Bhavnagar as per permission accorded by the Govt. of Gujarat vide letter dated: 17.08.2023. (Copy attached on Parivesh Portal). The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through 	
	and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).	 National Highway Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational. 	

Hence, till the commencement of proposed cement plant, maximum 5% i.e. 265 TPD chemical grade limestone will be transported through dumpers @11 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar. Company is very much keen to establish cement plant as early as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity. We assure your kind authority that we will widen the black top of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening is attached on Parivesh Portal. Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach Consultants M/s. Holtec regulatory, commercial & technical feasibility for above stated OLBC. 4. The Project Proponent Since, the National Highway is under needs to explore the construction, we have submitted letter to possibility of laying over National Highway Authorities of India(NHAI) bridge over the Highway regarding grant of permission to provide and shall submit the Underpass near our cement plant entry point or any other option suggested by NHAI for permission from the Highways transportation of raw material & finished National Authority of India (NHAI). product. Acknowledgment of the same is attached herewith on Parivesh Portal. 5. Project Proponent The Samdhiyala Salinity Ingress Control bund needs submit (Samdhiyala bund) was constructed by to the protection measures to be Government of Gujarat in the year 2000 on taken for salt water Motpet Creek to prevent sea water from intrusion and the coming towards landward side. On the effectiveness of the salinity landward side, rain water gets accumulated ingress control bund. as well.

- Presently, the accumulated rain water of Samdhiyala bund is being used during post monsoon by adjoining agriculture land owners and in other seasons they are extracting ground water through borewell. For agriculture land which is away from Samdhiyala bund, farmers are extracting ground water through borewell for agriculture due to which salinity & TDS are increasing in ground water.
- As per company's water management strategy, after commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund.
- At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection.
- Hydrogeological monitoring network will be established by constructing piezometers in and around the lease.
- During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund.
- After exhaustion of mineral, voids left will act as natural water harvesting structures.
 Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.
- Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation.
- In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological

		system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund.
6.	The Project Proponent needs to submit the site specific mitigation measures for backwaters from Arabian Sea coming into the mine lease area.	 In this regard, following site specific mitigation measures will be taken: Arabian sea is situated at a distance of 3.8 km in the south of the said mine lease & it is outside of CRZ area. There was only one probability of sea water coming to mine lease area which is through Motpet Creek. Samdhiyala Salinity ingress bund has been constructed on Motpet Creek to restrict backwater coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea to come to mine lease area. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well.
7.		eds to revisit the plan for backfilling with clearly and the capacity available/required for backfilling.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

As per approved Mining Plan, Removal of soil and its disposal as below.

Mine plan period	Removal of soil (mio. cum)	Means of disposal	Area covered under stacking (ha)
FY 2021-22 to FY 2025- 26		Temporary stacking at one location near Proposed Pit no.1. Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 4 & 5) after five year mine plan period. (As demonstrated in map attached on Parivesh Portal).	4.63
FY 2026-27 to FY 2030-31	0.84	No stacking proposal is envisaged as simultaneously backfilled material will be utilized for shallow	nil
FY 2031-32 to FY 2033-34 (conceptual stage)	0.38	pits of around 4.0 m depth Proposed Pit No. 4 & 5) (As demonstrated in map attached on Parivesh Portal).	nil
Total	1.37	'A COP	nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period

= 197.00ha

 Total soil removal envisaged till conceptual period

= 1.37 million cum

(197 Ha *0.7m avg. soil thickness)
 Total backfilling area envisaged till conceptual period

= 36.36 ha

Ultimate Dimensions of Pits at the end of mine life

Pit	Pit Area	Pit Top	Pit	Pit	Pit Area covered by
No.	covered	(m	bottom	Depth	backfilling
	(ha)	AMSL)	(m	in m	(ha)
			AMSL)		
1	92.57	20 to 15	10	10 to	No backfilling proposal
				5	

2	40.84	15 to 13	7	8 to 6	No backfilling proposal
3	14.47	18 to 16	10	8 to 6	No backfilling proposal
4	12.76	11 to 7	2	8 to 4	No backfilling proposal
	16.84	7 to 6	3 to 2	4	Backfilling of Pit area of
					16.84 Ha for entire depth.
					(618480 cu.m)
5	19.52	9.5 to	2	7.5 to	Backfilling of Pit of 19.52
		7.5		5.5	Ha for 4.0 m depth
					(751520 cu.m)
Total	197 Ha				36.36 Ha (1370000 cu.m)

8. The **Project** needs to revise the activities proposed under the Wildlife Conservation Plan. The **Project** Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act. 2022 shall also be included in the Wildlife Conservation Plan for their conservation.

Proponent As advised, revised wildlife conservation plan evise the incorporating the Schedule-I species as per the sed under latest Wildlife Protection Amendment Act, 2022 is attached on Parivesh Portal.

9. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.

Type of land	Land rate, Rs.	Land	Total Amount
	Lakh/ ha	requirement, ha	Rs. lakhs
Private	13.00 *	189.76	2466.88
Government	On mining	7.24	-
	lease		
Total		197.0	2466.88

^{*:} Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed commercial rates.

Type of	Rate, Rs. /	Approx.	Total
homestead	sq.m.	Homestead	compensation,
		area**, sq.m.	Rs. lakhs
Pucca	10000		
Semi pucca	5000	480	48
Kutcha	2000		
Total		480	48

^{**} Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr.	Timeline for land	Pvt.	Govt.	Total, Ha
No.	<u>req</u> uirement	Land,	Land,	
		Ha	Ha	
1	Present		Α	
1.1	Purchased	0	0	0
1.2	Consented	25.14	0	25 <mark>.1</mark> 4
1.3	Leased	0	25.65	25 <mark>.6</mark> 5
2	Future	2	/2	
2.1	1 st to 5 th year mining	42.94	0	42.94
2.2	6th year to Conceptual	194.36	7.24	201.60
Ċ.	stage -13 th year	She 15	///	
2.3	Mine life (up to lease	586.48	25.65	612.13
12	period)	SEEP		

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

10. The Project Proponent needs to submit the action plan for year wise exploration program

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 183 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 183 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval

Program of Future Exploration

_				
YEAR	N	lo. of BH	Grid	Total
30			Interval	Meterage
2021-2	22 P	BH-1 to	400 m &	Up to +1.0
to 202	5- P	BH-119	200 m	MRL
26	P	BH-120	200 m	Up to +1.0
	to	PBH -		MRL
	1	83		

The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable.

The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. (Copy given on Parivesh Portal).

11. The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of

Permission accorded by the Govt. of Gujarat vide order dated: 17.08.2023 for utilization of Chemical Grade of Limestone for non-cement purposes is attached on Parivesh portal.

	Limestone for non-cement		
	purposes.		
12	The Project Proponent	The company has not carried out any mining	
	needs to submit a letter	within the lease area much less any illegal	
	from the Department of	mining in the lease area. There are old pits pre-	
	Geology and Mining,	dating the allotment of the lease to the	
	Government of Gujarat	company, which were received in legacy and	
	clarifying whether any	shown in the present surface geological plan	
	illegal mining within the	(Copy given on Parivesh portal). Request letter	
	mine lease area has been	in this regard has been submitted to	
	carried out or not and	Department of Geology and Mining,	
	whether the same has	Government of Gujarat on 03.11.2023.	
	been carried out by M/s.	Acknowledgement of the same is attached on	
	Nirma Limited or not?	Parivesh portal.	

xviii. Compliance of Sub-Committee Site Visit Recommendation given in 25th EAC meting MoM held on 9th – 10th January, 2024.

Sr.	Recommendation of Sub-Committee	Reply by Project Proponent
No.	5 7 9	10 M
1	PP should submit an action plan and timeline to indicate the purchase of lands across all three mining leases wherein it has proposed mining pits to initiate mining activities since as on date PP has only purchased / obtained surface rights over 101.1967 Ha out of 1351.6489 of Private Agriculture Land.	Action plan and Timeline indicating the purchase /obtain surface rights of land for mining for all three mining leases to initiate mining activities is attached on Parivesh Portal.
2.	Since PP envisages to handover the land with shallow quarry having depth upto 4m to landowners for farming and mostly all three mining leases are having agricultural land. PP is requested to conduct a survey to indicate the present status and number of low-lying areas, their respective which may be backfilled with available capacity of top soil/overburden and can be handed over to farmers for agricultural purpose.	 In said mine, survey has been conducted & 2 nos. of pits i.e. Pit No. 4 & 5 (total Pit area -49.12 Ha) will have shallow depth pit in Pit area -36.36 Ha, will be backfilled for entire depth / partial depth, looking to availably of Soil for backfilling.` Pit no. 4 -16.84 Ha Pit area of 4.0 m bgl for entire depth out of total pit area of 29.6 Ha. Pit No. 5 – 19.52 Ha Pit area of 4.0 m bgl for entire pit area in partial depth. Action plan for backfilling of shallow depth pits of depth up to 4.0 m and

 3. Project Proponent needs to provide year wise exploration plan for all the three mining leases. 4. Since, Bhavnagar falls under severely Polluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water sprinklers across the haul roads in all three mining leases. Chitra Industrial area (severely pollute area) in Bhavnagar city is locate around 100 km away from our samining lease area. On initial stage, company will engage water tanker with sprinkler arrangement to suppress the dust on haul road around around will make provision
wise exploration plan for all the three mining leases. 4. Since, Bhavnagar falls under severely Polluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water sprinklers across the haul roads in all three mining leases. A. Since, Bhavnagar falls under severely Chitra Industrial area (severely pollute area) in Bhavnagar city is locate around 100 km away from our samining lease area. On initial stage, company will engage water tanker with sprinkler arrangement to suppress the dust on haul road area.
Polluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water sprinklers across the haul roads in all three mining leases. On initial stage, company will engage water tanker with sprinkler arrangement to suppress the dust on haul road and area.
water tanker with sprinkler arrangeme to suppress the dust on haul road are
permanent water sprinklers across the haul roads in all three mining leases.
5. Since, Bellur and other schools are in close proximity to mine lease area, PP shall ensure that necessary safety measures are taken as per DGMS norms for all three mining leases. Company will ensure to maintain requises safety measures & distance from Bell School & other schools as per DGMS norms for all three mining leases during mining.
6. PP shall ensure to construct bunds near the existing low lying areas that has developed into wetland to prevent the ingress of sea water in Padhiyarka and Doliya Limestone Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area.
7. The project Proponent needs to submit the integrated management plan describing the strategies and actions for achieving wise use of the wetland and the plan shall include objectives of the site management, management actions required to achieve the objectives, factors that affects, or may affect, the various site features, monitoring requirements for detecting changes in ecological character and for measuring the effectiveness of management, and resources for management implementation.
PP needs to engage and impart skill Company will not acquire as among the villagers and local population agriculture land through land acquisition.

	mainly the land losers and also submit a plan for their alternate livelihood arrangement since most of them will be losing their fertile lands.	by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates. Land owners may purchase agriculture land in nearby area in the amount which is to be paid to them against their land and can continue their livelihood. Company will give priority to engage land owners who have given land for mining purposes as per requirement of manpower for mines.
	R IV	Also, company will arrange to impart training to build capacity for self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year).
9.	PP should widen the existing village roads before using it for transportation in all three mining leases, wherever widening is not possible, PP shall submit an action plan for making alternate roads.	On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use existing village road for transportation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 11 numbers of trips/day maximum in this mine. Company will widen the existing village
		road or make alternate road in all three mining leases on installation of cement plant. Section plan of the road widening is attached on Parivesh Portal
10.	PP should engage wildlife experts/ avian experts for conservation of the avian fauna within and near its mine lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.
11.	PP shall plant native fruit bearing plants across all the proposed green patches.	Native fruit bearing plants will be planted across all the proposed green patches.

12.	PP shall put boundary pillars across all mining leases.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars co-ordinates through the DILR / State Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.
13.	The project proponent needs to submit a letter from the Department of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?	The company has not carried out any illegal mining in the lease area and request letter to provide required certificate regarding no mining carried out by company or others has been submitted to the District Geologist, Department of Geology and Mining, Government of Gujarat, Bhavnagar vide letter dated: 01.11.2023. In turn, the District Geologist, Bhavnagar has submitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024 to communicate the same to MoEF and copy endorsed to us. As per his report, No case of Illegal mining of limestone mineral has been registered within the mining lease area against the company M/s Nirma Limited or against any other individual or entity. Copy of our submitted letter dated: 01.11.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bhavnagar dated 01.02.2024 is annexed on Parivesh Portal
14.	PP needs to submit plan to transport crushed limestone from all the three leases to plant.	The mine is captive mine to proposed cement plant at Padhiarka, Mahuva and High grade limestone to be used in company's own existing Soda Ash plant located as Kalatalav, Bhavnagar.

The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

Establishment of cement plant may take some time while the soda ash plant is already operational.

Hence, till the commencement of proposed cement plant, maximum 5% TPD limestone i.e. 265 will transported to Soda ash plant located near Bhavnagar through dumpers @11 trips per day. The trucks will pass through existing Madhiya - Amrutvel village road of 7 m width (out of which 4 m is black topped) for around 1.0 km and meet National Highway no. 51, from where the truck will move around 100 km.

15. PP needs to take some measures to keep the migration bird ponds un harmed and protected by activity of mining in future.

Migratory birds are seen in Malan Bandhara as well as other nearby Bandhara areas, which areas located at distance of 5.4 km and 2.3 km from our mining lease area, respectively.

Birds are also seen in low lying area, in which rain water accumulates temporarily during monsoon. However, they are pre-dominantly resident water birds.

The company is committed to the measures proposed in the site specific wildlife conservation plan (summarised in point 7 earlier), which include points related to protection of shallow ponds, ecology and birds.

The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit

no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala will provide more area to birds. Also company will ensure that
Dudhala will provide more area to birds.
Also company will ensure that
transportation will be carried out by
maintaining safety distance from low
lying areas.
16. PP needs to install water treatment plant Drinking water is provided in every
, , , , , , , , , , , , , , , , , , , ,
and the state of t
pipeline by the State Govt. and drinking
water requirements for mines shall also
be fulfilled through Narmada water pipe
line which is passing through nearby
area. Hence, presently there is no
proposal to use the hard ground water.
However, if any requirement sought in
future we will provide treatment plant.
17. PP needs to explore possibility of Company has proposed mining with
deploying surface miners for mining. surface miner (50% quantity) in IBM
approved mine plan and also in EIA
report. Company explored use of
Ripper dozer for cement plant use to
eliminate drilling & blasting in the
remaining 50% and committed the same
in point no. 3, Specific Terms of
Reference received from MOEF&CC
vide Letter no. J-11015/154/2016-IA.
II(M) dated November 28, 2022.
CDC
For soda ash plant, we need sized
limestone i.e. 25 mm to 100 mm, so
surface miner cannot be deployed for
limestone mining for Soda ash plant
use. However, company will deploy rock
breaker to avoid blasting during mining.

xix. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Crores)	Recurring cost
		(Lakhs/annum)
Pollution Control	0.241	9.54
Pollution monitoring	0.016	3.88
Occupational health	0.011	0.64
Environmental Studies, etc.	0.10	_
Green belt	_	5.10

Reclamation	_	11.39
Others (Environmental studies,	_	5.28
Rehabilitation, Realignment,		
Expert advice, fencing etc.		
Overheads	_	0.30
Total	0.3680	36.12

xx. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP	0.70
+ capital cost of Public hearing)	
Project Cost	25
Employment (No.s)	58

3. Observation and Recommendation of the EAC

The EAC deliberated the instant proposal along with Padhiarka & Doliya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC deferred the proposal for the want of following information:-

- The Proponent shall submitNo Objection Certificate from Ministry of Defence for consideration of the instant project.
- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- VII. The Project Proponent needs to submit time line for acquiring land from the villegers.

Day 2: 15th March, 2024 (Friday)

2.1 Gandhamardan Block B Iron Ore Mining Project for production capacity of 9.12 MTPA in the mine lease area of 1590.8673 ha by M/s Odisha Mining Corporation Limitedlocated at Village Upper Jagar, Urumunda, UparKainsari, Nitigotha, Ambadahara, Salarapentha, Daonla&Gandhamardan Protected Reserve Forest, Tehsil Banspal, District Keonjhar, State Odisha – Reconsideration for Amendment in EC dated 03.02.2009 w.r.t. specific condition no. 'xx' reg [Online Proposal No. IA/OR/MIN/451209/2023, F.No. J-11015/1084/2007-IA.II(M)]

The proposal is for amendment in EC dated 03.02.2009 w.r.t specific condition no. xx of Gandhamardan Block B Iron Ore Mining Project of M/s Odisha Mining Corporation Limited for production capacity of 9.12 MTPA in the mine lease area of 1590.8673 ha, located at Village: Upper Jagar, Urumunda, UparKainsari, Nitigotha, Ambadahara, Salarapentha, Daonla & Gandhamardan Protected Reserve Forest, Tehsil Banspal, Dist. Keonjhar, Odisha.

- 2. The details of the project as ascertained from the documents submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. Initially, the Project Proponent obtained Environmental Clearance vide EC letter dated 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha. One of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset".
 - ii. Now, the Project Proponent has requested for amendment in EC dated 03.02.2009 to allow the transportation of ore outside the mine lease area after the sunset in respect of Gandhamardan Block B Iron ore mines of OMC.
 - iii. Justification for amendment in EC:
 - a. The Project Proponent has submitted that the total mine lease area is 1590.8673 ha, out of which 1409.6489 ha is a forest land and 181.2184 ha is a non-forest land.
 - b. Stage-II Forest Clearance was granted in two phases. (i) MoE&F vide letter dated 17.08.2007 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 232.438 ha of forest land and (ii) MoEF&CC vide letter dated 09.10.2018 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion of balance forest land of 1177.211 ha including 25.1070 ha for safety zone in addition

- to 232.438 of forest land already diverted within total mining lease area of 1590.8673 ha.
- c. Since the date of grant of forest clearance for the total area within mine lease,OMC has never been able to achieve the target production and dispatched Iron ore of 9.12MTPA(approved production quantity as per EC). It is not possible to transport all the materials during the day time with the existing road infrastructure and due to Specific Condition No.(xx) of EC dated 03.02.2009.
- iv. The Project Proponent has submitted that the supplementary mine lease deed executed on 07.06.2019 and the mine lease is valid up to 10.07.2040. Modification of Review of Mining Plan along with Progressive Mine Closure Plan was approved by Indian Bureau of Mines vide letter dated 02.08.2021 over an area of 1590.8673 ha for the period 2021-22 to 2024-25.
- v. The Project Proponent has submitted the past production details from the year 1993-94 to 2023-24 (August, 2023) wherein, excess production has been observed from the year 2001-2002 to 2008-2009. Afterwards the production capacity is within their prescribed EC capacity.
- vi. The Project Proponent has submitted the certified compliance report issued by the Regional Office (RO), Bhubaneshwar. Site visit was conducted by RO on 09.10.2023.
- vii. Earlier, the Proposal was considered in the 23rdEAC meeting held during 5-7th December, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S.No.	Observation in 23rdEAC meeting	Reply by Project Proponent		
	held during 5-7 th December, 2023	010		
1.	The Project Proponent needs to	The scientific study on the carrying		
	carry out the scientific study by the	capacity of the road indicating the		
	reputed institute regarding the	exact quantity to be transported		
1	carrying capacity of the road	during night time along with details of		
	indicating the exact quantity to be	trips to and capacity of the dumper,		
	transported during night time along	design of the road, additional traffic		
	with details of trips to and fro,	on the road, timeframe required for		
	capacity of the dumper, design of the	night transportation etc has been		
	road, additional traffic on the road,	carried out by CSIR-Centre for Road		
	timeframe required for night	Research Institute (CRRI). The		
	transportation depending on the	Report has been submitted on		
	infrastructure availability and also	Parivesh.		
	adverse impacts on the environment			
	and wildlife due to night			
	transportation.			
2.	The Project Proponent needs to	Divisional Forest Officer (DFO),		
	submit the specific mitigation	Keonjhar vide letter dated		

	measures w.r.t Wildlife during night	17.02.2024 submitted the
	transportation.	information related to the mitigation
		measures w.r.t wildlife during night
		transportation.
3.	The Project Proponent needs to	Divisional Forest Officer (DFO),
	submit the letter from the State	Keonjhar vide letter dated
	Forest Dept., regarding the	17.02.2024 submitted the
	movement of animals in the	information w.r.t. movement of
	transportation route during night.	animals in the transportation route
		during night.
4.	The Project Proponent needs to	Project Proponent has submitted
	submit the re verification report done	comments of regional office,
	by the Regional Office for the non-	Bhubaneswar for the non-
	compliances.	compliances.
5.	The Project Proponent needs to	The copies of the demand notice
	submit the copy of the demand	issued from the Office of the Deputy
	notice issued from the Office of the	Director of Mines and proofs of
	Deputy Director of Mines and proof	payment made against the demand
	of payment made against the	notices has been submitted vide
	demand notice.	letter dated 04.09.2017.
6.	The Project Proponent needs to	The copy of the certified past
	submit the copy of the certified past	production details issued from the
	production details issued from the	Office of Deputy Director of Mines
	Office of the Deputy Director of	dated 18.09.2023 from the year
	Mines dated 18.09.2023 from the	1993-94 to 2023-24 (August, 2023).
	year 1993-94 to 2023-24 (Aug,	
	2023).	258

viii. The Project Proponent has submitted the certified compliance report issued by the Regional Office (RO), Bhubaneshwar. Site visit was conducted by RO on 09.10.2023.

3. Observation and Recommendation of the EAC

The Project Proponent informed the EAC that initially Environmental Clearance (EC) was obtained on 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha.

The Project Proponent further informed the EAC that one of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset"

The EAC noted that the ML area is surrounded by the forest area and movement of wild-animal species have been frequently observed. Committee asked the PP to increase the truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand.

The EACrequested the PP to engage any reputed wildlife institute to carry out a study for recording the movement of elephant and other wild-animals. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area. EAC also opined that PP needs to carry out a drone survey of the entire mine lease area and the transportation route. Based on above discussion, the EAC **deferred** the proposal for the want of following information:-

- The PP needs to submit the implementable plan for increased truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand in day time.
- ii. The PP needs to submit the clarification from DFO with regard to presence of Elephant and other wild-life movement within the mine lease area and in its vicinity.
- iii. The PP needs to carryout a study to record the movement of elephants and other wild-animals within and near the mine lease area. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area.
- iv. The PP needs to submit the recorded drone video of the complete ML area and transportation route.
- v. PP needs to submit the Data related to the movement of commercial vehicle at night and projected number of total commercial vehicle to be seperately mentioned after considering the truck size of 40-45 tonnes (Payload).
- Lakheri Limestone Mine for Limestone production with capacity of 1.5 MTPA and waste/topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH in the ML area of 1516.88 ha by M/s ACC Limited located at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh& Kesoraipatan, District Bundi, Rajasthan–For Corrigendum in Environmental Clearance dated 29.12.2023 w.r.t. Specific Condition no. 3.2 reg [Online Proposal No. IA/RJ/MIN/462722/2024, F.No. J-11015/167/2018-IA.II(M)]

The proposal is for Corrigendum in EC letter dated 29.12.2023 w.r.t. Specific Condition no. 3.2 w.r.t correction in area of diverted forest land as 208 ha in place of 201.88 hafor Lakheri Limestone Mine for Limestone production with capacity of 1.5 MTPA and waste/topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH in the ML area of 1516.88 ha by M/s ACC Limited located at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa,

Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh & Kesoraipatan, District Bundi, Rajasthan.

2. The Project Proponent has submitted the following information with regard to the corrigendum sought:

Ref of EC	Particular	Required Corrigendum	Remark
Specific Condition No 3.2	Mining activity is restricted to the Forest Land (201.88 ha) for which the Stage II FC is available as per Ministry's letter dated 27.12.2017 plus the non-forest land (1107 ha)"	Forest Land (208 ha) for which the Stage II FC is available as per Ministry's letter dated 27.12.2017 plus the non-forest	MOEF&CC (Forest Conservation Division) has rectified the same vide corrigendum dated 09.02.2024 and mentioned in Para no 3 of the said letters it is mentioned that "Therefore instead of 201.88 ha as mentioned in Ministry letter no. 8-26/2003-FC dated 27.12.2017 it should be read as 208 ha and the remaining content of the letter no. 8-26/2003-FC dated 27.12.2017 remains the same"

3. Observation and Recommendation of the EAC

The PP/Consultant informed the EAC, that the instant proposal is for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha.

The EAC noted that the Project Proponent has obtained the permission for the complete forest area of 409.88 ha on 27.12.2017 wherein it was mentioned that out of 409.88 ha of forest land in the lease, the Forest Clearance under section 2 (ii) was granted for 201.88 ha in 2012. However, the Project Proponent has Forest Clearance under section 2 (ii) for 208 ha.The Forest Conservation Division in the Ministry vide letter dated 09.02.2024 has clearly mentioned that instead of 201.88 ha as mentioned in Minstry letter no. 8-26/2003-FC vide dated 27.12.2017 should be read as 208 ha.

In view of the above, the EAC **recommended** for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha and the specific condition no. 3.2 shall be read as "Mining activity is restricted to the Forest Land (208 ha) for which

the Stage II FC is available as per Ministry's letter dated 27.12.2017 and 09.02.2024 plus the non-forest land (1107 ha)".

2.3 River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA in the Mine lease area of 329.90 ha by M/s Pramod Meena Baran located at Villages Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajasthan – Reconsideration for Environmental Clearance reg[Online Proposal No. IA/RJ/MIN/25563/2014, File No. J-11015/166/2014-IA.II(M)], [EIA Consultant: M/s Overseas Min-Tech Consultants]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA in the Mine lease area of 329.90 ha by M/s Pramod Meena Baran located at Villages Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajasthan.

2. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent's letter dated 15.03.2024 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.4 River Sand (Bajri) Mining Project with production capacity of 0.42 MTPA in the Mine lease area of 360.97 ha by M/s Shri Mukesh Sharmalocated at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj Tehsil Kagla Bamori, Mehrawata, Rani Badod District Baran, Rajasthan – Reconsideration for Environmental Clearance reg [Online Proposal No. IA/RJ/MIN/32677/2015, File No. J-11015/408/2015-IA. II(M)], [EIA Consultant: M/s Enkay Enviro Services Pvt. Ltd.]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 0.42 MTPA in the Mine lease area of 360.97 ha by M/s Shri Mukesh Sharmalocated at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj Tehsil Kagla Bamori, Mehrawata, Rani Badod District Baran, Rajasthan. River area spreads in 10 Villages of Tehsil – Baran & Kishanganj.

2. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.5 River Sand (Bajri) Mining Project with production capacity of 2.8 MTPA in the Mine lease area of 905.206 ha by M/s Shri Mukesh Sharmalocated at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan–Reconsideration for Environmental Clearance reg [Online Proposal No. IA/RJ/MIN/25369/2014, File No. J-11015/113/2016-IA-II (M)], [EIA Consultant: M/s Enkay Enviro Services Pvt. Ltd.]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 2.8 MTPA in the Mine lease area of 905.206 ha by M/s Shri Mukesh Sharmalocated at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan.

2. Observation and Recommendation of the EAC

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.6 River Sand (Bajri) Mining Project with production capacity of 1.008 MTPA in the Mine lease area of 177.64ha byM/s Chandak Associates located at near village Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan – Reconsideration for Environmental Clearance reg.[Online Proposal No. IA/RJ/MIN/26462/2013, File No. J-11015/179/2013-IA.II (M)]

The Proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.008 MTPA in the Mine lease area of 177.64ha by M/s Chandak Associates located at near village Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan.

- **2.** The Project Proponent has submitted the following information on the Parivesh portal:
 - i. The Latitudes and Longitudes of the Mine Lease area are 26°06'04.29"N to 26°07'59.76'N and 76°01'05.66"E to 76°01'400.57"E respectively on Survey of India toposheet numbers 45 N/16 & 54 B/4. The Project is located in Seismic zone-II.
 - ii. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category A or Activity 1(a) as the mining lease area is greater than 100 ha.
- iii. The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd 24th July, 2013 to determine the Terms of

Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/179/2013-IA.II (M), dated 13th September, 2013.

3. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent did not attend the EAC meeting at the scheduled time. Hence, EAC **deferred** the proposal.

2.7 River Sand (Bajri) Mining Project with production capacity of 1.31 MTPA in the Mine lease area of 252.48ha by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan – Reconsideration for Environmental Clearance reg[Online Proposal No. IA/RJ/MIN/25549/2014, File No. J-11015/233/2014-IA.II(M)]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.31 MTPA in the Mine lease area of 252.48ha by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan.

2. The Project proponent vide letter dated 07.03.2024 submitted that their proposal was considered during the 32ndMeeting of EAC held during May 30-31st, 2018. The committee observed that the Terms of Reference (T.O.R) validity for aforesaid project was expired at the time of submission of the final report, and subsequently the project was deferred. Subsequently, ADS was generated on 15.02.2023, since the validity of T.O.R dated 29.10.2014 expired, the committee directed to apply fresh T.O.R at SEIAA as per the provision of EIA, 2006 notification and its subsequent amendments.

In compliance to the directions of EAC, and as per Gazette Notification S.O.1886 (E), dated 20thApril, 2022, the Project proponent has applied for fresh TOR in SEIAA- Rajasthan with Proposal No. SIA/RJ/MIN/419277/2023 on 26.12.2023.

3. Observation and Recommendation of the EAC

The EAC after deliberations noted and accepted the withdrawn request of proposal and hence, **recommended** to withdraw the same.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	14 th	15 th
			3	March 2024	March 2024
	IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat, 382 008	Chairman	Yes	Yes
	IFS (Retd.)	Opposite Durgapur Railway Station, Jaipur- Rajasthan, 302018	Member	Yes	Yes
	Scientist 'G' (Retd.), WII	B/104/106 Rock Valley Apartments, GMSRoad, Sewla Kalan, P.O. Majra, Dehradun, Uttarakhand- 248171	Member	Yes	Yes
4	(CMD- Heavy Engineering	Singhee Marg, A- 604 Shahadeo Tower, P.P.Compound, Ranchi 834001, Jharkhand	Member	Yes	Yes
5	<mark>Bandi</mark> Ramchandra Reddy	Flat No-503 A, Jyoti Cosmos, White Fields, Hi- Tech City, Kondapur, Hyderabad- 500081	Member	Yes	Yes
		Shri Aurobindo College, University of Delhi 1372, B- 1, Vasant Kunj, New Delhi- 110070	Member	No	No
	Department of Environmental	Department of Environmental Studies, NEHU,Shillong-793022 Meghalaya	Member	No	No
8	Dr. Suresh Tiwari Scientist-F	Indian Institute of Tropical Meteorology, Pune,New Delhi Branch, Prof. Ram NathVijMargRajinder Nagar, New Delhi - 110060	Member	Yes	Yes
9		10/B, "SPARSHA", 2nd Main, 2 nd Cross,BhogadilInd Stage, Mysore-570026, Karnataka		Yes	Yes
	Sharma, Vice- Chancellor	Sardar Patel University,Mandi H.P. 175001	Member	No	No
	· · · · · · · · · · · · · · · · · · ·	Government of India, Ministry of Earth Sciences, India Meteorological	Member	No	No

	Department	Department,			
		MausamBhawan, Lodi			
		Road, New Delhi – 110003			
12	Shri Yogesh Kale	Controller of Mines, IBM	Member	Yes	Yes
	Representative of	Block D, Second Floor,			
	Indian Bureau of	Indira Bhavan, Civil Lines,			
	Mines	Nagpur - 440001			
13	Shri Niazi	Representative of	Member	Yes	Yes
	Mohammed	Directorate General of			
		Mines Safety			
15	Shri Pankaj Verma	3 rd Floor, Vayu Block, Indira	Member	Yes	Yes
		ParyawaranBhawan,	Secretary		
		MoEF&CC, Jorbagh, New			
		Delhi- 110003.	Ca		



GOVERNMENT OF INDIA MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (IMPACT ASSESSMENT DIVISION) NON-COAL MINING SECTOR

SUMMARY RECORD OF 28th MEETING OF THE COMMITTEE OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 28th meeting of the Re-Constituted Expert Appraisal Committee (EAC) for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 14-15th March, 2024 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of 27th EAC (Non-Coal Mining) meeting held during 20th February, 2024 & 21st February, 2024.

The minutes of the 27th Meeting of the EAC (NoN-Coal) held during 20th February, 2024 & 21st February, 2024 were placed before the members of the EAC and confirmed by the Chairman.

Day 1: 14th March, 2024 (Thursday)

1.1 Chettichavadi Jaghir Magnesite and Dunite Mine with total excavation of 1.4 MTPA which includes 0.06 million tons of Magnesite, 0.12 million tons of Dunite and others (waste, O.B, Inter Burden, Top Soil etc.) in the mine lease area of 449.364 ha of M/s. Dalmia Bharat Sugar and Industries Limited located at Chettichavadi Village, Salem Taluk, Salem District, Tamil Nadu - For Reconsideration of Environmental Clearance reg [Online proposal no. IA/TN/MIN/241375/2018; File No. 23-227/2018-IA.III(V)][Consultant: Aadhi Boomi Mining & Enviro Tech (P) Ltd] - Environmental Clearance (Violation)]

The instant proposal is for grant of Environmental Clearance (under violation category) for Chettichavadi Jaghir Magnesite and Dunite Mine with total excavation of 1.4 MTPA which includes 0.06 million tons of Magnesite, 0.12 million tons of Dunite and others (waste, O.B, Inter Burden, Top Soil etc.) in the mine lease area of 449.364 ha of M/s. Dalmia Bharat Sugar and Industries Limited located at Chettichavadi Village, Salem Taluk, Salem District, Tamil Nadu.

2. The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

- i. The mine lease area is located between Latitude: 11°43'09.71"N to 11°44'36.233"N and Longitude: 78°07'23.268"E to 78°09'13.068" E. The mine lease area falls under the Survey of India Toposheet No: 58 I/2 and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. The Project Proponent obtained Terms of Reference (ToR) vide ToR Lr.No: 23-227/2018-IA.III(V) dated 05.02.2021 for mining of Magnesite and Dunite in Chettichavadi Jaghir Magnesite and Dunite Mine for Total Excavation of 1.4 million Tonne per annum (MTPA)/[including 0.06 million tons of Magnesite, 0.12 million tons of Dunite, Waste, O.B, Inter Burden, Top Soil etc.] in the mine lease area of 449.364 ha under Ministry's Notification dated S.O 804(E) dated 14.03.2017.
- The proposal was earlier considered in the 43rd EAC (Non-Coal Mining) meeting held during 14 -16 December, 2021 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent submitted the information on 11.03.2022 in Parivesh. However, the Project Proponent did not comply to the observation of EAC and in view of the above additional details were sought by the Ministry on 27.04.2022, 22.08.2022, 12.09.2022, 04.10.2022 and 22.11.2022 to provide the valid mine lease document. The Project Proponent submitted the desired information on 21.12.2022 in Parivesh. The proposal was again reconsidered in the 9th EAC (Non-Coal Mining) meeting held during 17-18 January, 2023 wherein the EAC deferred the proposal for want of requisite information, accordingly. PP submitted the information on 01.09.2023 in Parivesh Portal. The proposal was then reconsidered in the 20th EAC (Non Coal Mining) meeting held during 21-22nd September, 2023 wherein the Committee asked the Project Proponent to submit the proof of payment of Rs. 18.69 crore as per Dept. of Geology and Mining, Guindy letter dated 09.12.2022 for further consideration of the instant proposal before the EAC. The Project Proponent submitted the information vide its letter dated 19.02.2024 on Parivesh Portal. Accordingly, the proposal was again reconsidered in the 28th EAC meeting held during 14-15th March, 2024.
- v. Based on observation of EAC in its EAC meeting held during 21-22September, 2023, the PP provided the following information:-

S.	Observation of EAC in its	Reply by Project Proponent
No.	meeting held during 21-22	
	September, 2023	
1.	The EAC asked the Project	The said demands were being
	Proponent to submit the	contested by the company before
	proof of payment of Rs.	Hon'ble High Court of Madras In
	18.69 crore as per Dept. of	W.A.834 of 2020 (w.r.t to Rs.11.44

Geology and Mining, Guindy let ter dated 09.12.2022 for further consideration of the instant proposal before the EAC.

Crore demand) and W.P.32057 of 2023 (w.r.t to Rs.7.24 Crore demand).

In this context, we are herewith submitting order of the Honorable Madras High Court dated 15.02.2024 In respect of W.A.834 of 2020 (w.r.t to Rs.11.44 Crore demand) and W.P.32057 of 2023 (w.r.t to Rs.7.24 Crore demand) heard along with W.A.671 and batch.

The operative portion of the said Order reads as under

- "(i) The impugned order passed by the learned Single Judge at the Principal Seat is quashed and set aside;
- (ii) The Impugned orders/memos imposing 100% penalty/cost upon the appellants/petitioners shall be construed as show-cause notices;
- (iii) The appellants/petitioners shall file reply to the said show-cause notices, along with all the relevant documents on which they rely, within a period of four weeks from today; and
- (iv) The authority shall consider the reply filed by the appellants/petitioners individually and pass fresh orders with regard to imposing of penalty/cost or otherwise."

vi. SEIAA/SEAC has approved the DSR for the Mineral Dunite and details has been mentioned below:

Date of	Proposal No/	Consideration by	Details of EC	Date of
application	File No	SEAA/SEAC		accord
31st Jan 2023/	-	597th Meeting of	-	-
23 rd Feb 2023		SEIAA dated 27th		
		Feb 2023		
	File No. C.No.	361st SEAC meeting	-	
	6013/2023	dated 10 th March		
		2023		
		379 th SEAC meeting		
		dated 12th May 2023		

	380 th SEAC meeting dated 17 th May 2023		
C: No	627 th SEIAA meeting	Approved the	6 th June
6011/2013	dated 6 th June 2023	DSR for	2023
		Dunite	

vii. Details of Mine Lease in chronological manner:

S.	Details of grant of Mine Lease	Perio	od of Grant	Name of	Mine
No	deed execution	From	То	the	lease
				Mineral	area in
					На
1	G.O.Ms.No.903 dt.25.02.1966.	1966	1986	Magnesite	574.46
	6-14		CAR		На
2	G. O.Ms.No.801 dt.	1976	1986	Dunite	574.46
	26. <mark>06.1976.</mark>				На
3	G.O.Ms.No.74 dt.	1986	2006	Magnesite	531.98
	<mark>11.03.1997. </mark>	V .	CC	& Dunite	На
4	Application No: SL: GO:55200(1)	na.	0. 1	Magnesite	449.364
	<mark>11-07-2005</mark> .	0.11		& Dunite	На.
5	Letter from Dept of Geology and	- \ - \	31.03.2030	Magnesite	449.364
	Mining vide Lr.No.TN RC No:			& Dunite	На.
	1355/MM9/2006 dated 09.12.2022	67 : .	211		Š
	for validity of lease (till	200	ER.		
	31.03.2030), as per Sec 8(A)(5) of	3			
	MMDR(Amendment) Act-2015.		1		

viii. Land Use/Land Cover of the Mine Lease Area:

Private land	ects of She	
Government land	449.364 Ha	
10/2	Unassessed Dry Waste Land Belonging to	
	Government.	
Forest land	010	
Total Mining lease area (MLA), ha	449.364 Ha	
Private land for crusher, workshop	Nilmonts	
& other infrastructure outside the		
MLA		

ix. Mining plan details:

Mining Plan including Progressive	Letter No.	TN/SLM/ MG& DU/ ROMP-
Mine Closure Plan (approved by		1646-MDS.
Indian Bureau of Mines/DMG)	Date	30.03.2021
	Mineral &	Major – Magnesite
	(Major/Minor)	Minor - Dunite

	Mine Lease	449.364 Ha.	
	Area		
	Mining Plan	2021-2022 to 2025-2026.	
	Validity		
Additional information (if any)			
Mining Parameters	Quantitative Des	-	
Method of Mining		Mechanized Mining	
Drilling/Blasting		g 100-104 mm Dia &	
	Small Dia 25 mm		
Geological Reserves	_	5979 Million Tonnes,	
		61 Million Tonnes.	
Mineable Reserves	_	5979 Million Tonnes,	
e ·		61 Million Tonnes.	
Breakup of Total Excavation		13 T/yr (0.06 MTPA)	
(Topso <mark>il/OB/SB/IB</mark> /Mineral		<mark>Г/уг (</mark> 0.14 МТРА)	
Reje <mark>cts/ Waste, MTP</mark> A)		T/yr (1.2 MTPA)	
		avation: 1414358 T/yr (1.4	
	MTPA)		
Life of mine	100 Years		
Mine Bench Height & Bench Width	7.5 Mtr Height, 19	5- 20Mtr Width	
No. of Mine Benches	4-5 Average.	No.	
Existing Depth, m bgl	20m	S	
Ultimate Depth of Mining, m bgl	320m RL above I	MSL	
Ground Water Table, m bgl	325m & 335mRL	aboveMSL.	
Details of ground water	Not applicable		
intersection	010		
Individual bench slope	60° from Horizon	tal.	
Overall pit slope	45°	20	
Details of existing/ proposed	Nil		
Crusher	- 0111-		
Mineral Beneficiation		e area, but done in Factory.	
RoM output size	14,00,000Tonnes		
Transportation details including	ROM by Dumper	s& Mineral by 10 Tonners.	
capacity of dumper/tipper, mode	ayment		
of transport and distance			
Generation of Topsoil/OB & its	•		
Management during plan period &	& OB is stored in spoil dumps for future use.		
conceptual period			
Generation of Mineral Rejects/			
Waste & its Management during	as per market demand.		
plan period & conceptual period			

x. Water requirement:

Total water requirement	70 KLD	Fresh water	70 KLD
		Treated water	
Source	BORE WELL		
Permission for withdrawal/	OT8/AG-2/33/2023/Renewal-NOC/SLM/2023 dated		
intersection along with	20.02.2023 valid upto 17-Nov-2025.		
details of grant and its			
validity			

xi. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest | Particulars | Particular's Name | Distance & Directions |

Particulars	Particular's Name		Distance & Directions	
Village	Chettichavadi		850m (E)	
Town	Salem		10 Km	
Highway		Salem – Bengaluru.	5.0 km - SW.	
		3 – Salem – Yercaud.	3.12km – SE MDR	
		naickanpatti Road	696.	
	(Salem)	6.0km - SW.	
Interstate Boundary	N/A.	र देवात	N/A.	
Railway Station/Railway	Salem Station	Junction Railway	6 km (S)	
Water Bodies	S.No	Water Body	Direction	Distance
	1	Kannankurichi Lake	SE	4.7
	2	KannankurichiPuthueri	SE	4.64
7	3	Thathampatti lake	SE	7.97
	4	Mariamman temple	SE	8.75
9	5	5 Selathampattiyeri		7.05
	6	Lake near	SW	1.12
3.	7	Lake near NH 7	SW	2.9
	8	Lake near Indiranagar	SW	3.14
10°C	9	9 Pallapatti Lake 10 Arisipalayam lake		6.50
	10			7.07
	11.	Kumaragiri lake	S	8.5
	12	Lake near	W	10
	13	Lake near	W	7.7
		Anaigoundampatty	VV	7.7
	14 Samuthiram Lake15 Lake near Pagalpatti16 Lake near		W	4.40
			W	6.21
			NW	8.1
	17	Lake near	NW	7.64
18		Lake near	NW	7.72
	19	Lake near Vattakkadu	N	4.40

Forest Nagarmalai RF	Nagarmalai RF
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xii. Presence of Environmentally Sensitive areas in the study area:

Forest Land/ Protected Area/	Yes/No	Details of Certificate/letter issued			
Environmental Sensitivity		by the concerned Department			
Zone		mentioning the Lr no, date of gran			
		and remarks			
Forest Land within the mine	NO				
lease area and (if yes) status					
of Forest Clearance					
National Park	NO				
Wildlife Sanctuary	NO				
Elephant/Tiger Reserve	NO	96			
Eco-Sensitive Zone(ESZ)	NO				
/Eco-Sensitive Area (ESA)					
Coastal Regulation Zone (CRZ)	NO	E			
Schedule-I species (Nos and	Yes	Revised letter from the Forest			
name of schedule-I species	STELL.	Range Officer, TN Forest			
with authenticated letter)		Department was obtained			
		mentioning the type of Schedule I			
/1		Species in the study area of 10 Km			
		Radius vide Letter no.			
		C.No.228/2021 dated 13 th Feb			
2		2023.			
3		As per the list 18 nos. of Schedule-			
	Box	1 Sp. are reported:			
	ects if Sh	Sn Common Zoological			
3.	D	Name Name			
	C GRE	Mammals			
*10 ₀		1. Gaur Bos Gaurus.			
.6		2. Jungle Cat Felis Chaus			
		3. Mouse <i>Tragulus</i>			
	- Paymen	Deer Meminna.			
		4. Spotted Axis Axis.			
		Deer			
		5. Jackal Canis Aureus			
		6. Bonnet- <i>Macaca</i>			
		Monkey Radiada			
		7. Devangloris Slender Loris			
		(Loris			
		Lydekkerianus)			
		8. Pangolin <i>Mani</i> s			
		crassicaudata			

		9.	Palmcivet	Paradoxurus hermaphrodites
		10.	Porcupine	Hyxtrix Indica
			Birds	
		11.	Common Peafowl	Pavo Cristatus
		12.	Crested Serpent Eagle	Spilansis Cheela
		13.	Laggar Falcon	Falco Biarmicusjugger
KY		14.	Harriers	Circus
e.,			Circus	Aerunginosus
		15.	White	Neophron
	o IV	T.	Scavanger Vulture	Percnopterus
	व्याचीत	16.	White Eyed Buzzard	Butastur Teesa
	23		Reptiles	
~ /		17.	Python	Python Molurus.
		18.	Russel Viper	Vipera (Daboia) russelli
Wildlife Conservation Plan	Yes Occision Sive	Wildlife Conservation Plan along with the budgetary Provisions with timeline for implementation has been prepared and submitted to DFO, TN, Forest Department, Salem vide our Letter SL:MM:26150.A dated 9th March 2023 and obtained acknowledgement.		

xiii. Green belt/plantation details:

Proposed area for green belt/plantation and	13.2 Ha/ 19800 saplings
no. of saplings proposed	
Budget for green plant & plantation till the end	Rs.13,50,000/-
of life of mine.	
Budget for nursery	Rs.2,00,000 per Annum
Details of existing plantation and its survival	67674 with Survival rate of 60-70%
rate	as on February 2024.
No. of tree cuts in the mine lease area and	N.A.
compensatory afforestation	

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	15 Ha
50 m safety zone of nallah, roads, electric	1.5 Ha
lines	
500 m safety zones of nearest habitation	5 Ha
villages	

xiv.

v. Baseline detail:	
	oise / Soil / Hydro geological study/ Traffic Study/
others)	
Period of baseline data	December 1st, 2020 to February 28th 2021
collection	
Season (Summer / Pre-	Winter Season
monsoon / Post-monsoon /	
Winter)	5 004 0 405
Predominant Wind direction (From)	From SW, S and SE
Ambient Air Quality (no. of	6 locations
locations) and results	PM10 – 39μg/m³ to 60μg/m³
locations) and results	PM2.5 –19μg/m³ to 33 μg/m³
	SOx – 4µg/m³ to 13µg/m³
/1	NOx – 8µg/m³ to 19µg/m³
Noise level (no. of locations)	5 locations
and results	40.8 to 46.2 dBA for the day time and
2	34.1 to 41.8 dBA for the Night time
Water Quality (no. of	6 locations
locations) and results	pH: 7.43-9.48,
	TDS – 334 mg/l to 906 mg/l
3.	Total Hardness: 190 mg/l to 280 mg/l
	Chlorides: 22 mg/l to 58 mg/l
*/ ₀	Heavy metals – Fe - 0 To 0.12 mg/l
Soil Quality (no. of locations)	6 locations
and results	pH – 7.46 to 8.64
	moisture – 5.46% to 6.56%
	bulk density – 1.21g/cc to 1.47mg/l
	organic matter – 0.31% to 0.76%
	Water holding capacity – 47% to 56%
Hydro geological study and	The detailed Hydro geological study is given in
results	Page No 130(i) to 130(xxxviii) of Final EIA report
Traffic study (no. of locations)	(Volume I)
Traffic study (no. of locations) and results	Traffic study has been conducted at Single Inno village hard read which pages into the
and results	lane village hard road which passes into the lease area.
	Transportation of raw material, fuel &

finished product will be done 80% by road.
Existing PCU is 68 PCU/day on Single lane village hard road and existing level of service (LOS)is:

Road	V (Volume In PCU/day)	C (Capacity In PCU/ day.)	Existing V/C Ratio	LOS
Single lane village hard road	68	2500	0.0272	2.72

 PCU load after proposed project will be 68 (Existing) + 45(Additional) = 113 PCU/hr and level of service (LOS) will be:

Road	V (Volume In PCU/Day)	C (Capacity In PCU/ day)	Proposed V/C Ratio	LOS
Single lane village hard road	113	2500	0.0452	4.52

*Note: Capacity asperIRC73:1980 Guideline for Capacity for roads.

Conclusion: The level of service will be 4.52 after including additional traffic due to proposed project.

xv. Public Hearing (PH) Details:

Advertisement for PH with date (name of	01.08.2021
major national daily and one regional	
vernacular daily newspaper)	
Date of PH	03.09.2021
Venue	Dalmia Old Colony Canteen Building.
	Opp. Wiegh Bridge.
	Chettichavadi Village, Salem West
	Taluk,
	Salem District, TAMIL NADU-636012.

Chaired by	Dist. Collector & District Environmental
	Engineer, TNPCBD.
Main issues raised during PH	Employment for the local villages.
Budget proposed for addressing issues	Rs.39.14 Lakhs.
raised during PH over 3 years	
Additional information (if any)	

xvi. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and		
	validity		
Consent to Establish	-		
Consent to Operate	- AE		
Certified Compliance Report			
and Insp <mark>ection</mark> date			
Certified Production Details	The Duly Authenticated Production Details from		
from the inception of the mine	1979-80 to 2018-19 as per the Certificate issued		
(in tabular form against the EC	by Dept of Geology and Mining Salem vide letter		
capacity) ROC.45/2018/Mines-A dated 11.12.2018 i			
submitted in Final EIA/EMP Report, Table forma			
	of certified production against EC has been		
/ 2	submitted as per standard format.		

xvii. Rehabilitation & Resettlement (R&R):

R & R details	NA	
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xvii. Court case details:

Court Case, No and its present	Detail of total 9 court cases are mentioned	
status	below:	
2°C	1. W.P.25518/2006 Madras HC	
	2. Writ Petition No.29275 of 2016 Madras HC	
6-1	3. Writ Petition (Civil) No. 114 of 2014 of	
	Supreme Court	
	4. District Collector, Salem has also raised	
	another demand vide order dated 8th July, 2020	
	directing project proponent to pay sum of INR	
	7.24 Crore on the quantity of Magnesite mined	
	without EC for the period 1st April, 2000 to 31st	
	August, 2018.	
	5. District Collector"s demand of surface	
	compensation of Rs.79,88,39,062from20.08.19	
	66 till 31.10.2017.	

Show cause vide Proceeding Letter No.SLM0006/DEE/TNPCB/S LM/RL/2014, dated 03.06.2014 by Tamil Nadu State Pollution Control Board U/s 19 of Environment Protection Act. 7. Show Cause vide Proceeding Letter No.FEF/TNPBC/SLM/F/006 /20 by Tamil Nadu State Pollution Control Board U/s 19 of Environment Protection Act dated 4th May, 2020. 8. Show cause Notice dated 5thFebruary, 2013 under Water Act. Show cause Notice dated 5thFebruary, 2013 under Air Act. 9. Environmental Activist Mr.S.Sakthivel filed a petition before the Hon"ble NGT (SZ) raising certain Environmental issues against 6 respondents. Undertaking by Project Proponent Affidavit Sworn on 22.04.2023 in a non-judicial stamp of Rs 100 bearing No. CZ - 744433 w.r.t court case. dated 21.04.2023.

xviii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	Affidavit Sworn on 22.04.2023 in a non-judicial
dated 30.05.2018.	stamp of Rs 100 bearing No. CZ - 744433
3/10	dated 21.04.2023.
Undertaking by Project Proponent	The Project Proponent has submitted an
in EIA/EMP report	undertaking vide Ministry's OM dated
8 1	05.10.2021.
Undertaking by Consultant in	Undertaking by the Environment consultant has
EIA/EMP report	been submitted as per Ministry's OM dated
30	04.08.2009.
Plagiarism Certificate	PI

xix. Details of the Environmental Management Plan (EMP):

S.no.	Activities	Capital cost	Recurring cost
		(INR)	(Lakhs/annum)
1	Safety kits for 320 persons @ Rs 1000 per	Rs. 3,20,000	Rs.2,00,000
	head	113. 0,20,000	
2	Water Sprinkling & Spraying	Rs.15,00,000	Rs.8,00,000
3	Afforestation for @ 75 per tree	Rs. 3,00,000	Rs.3,00,000
4	Noise & Vibration		Rs.2,50,000
5	Air Quality Monitoring and Water Testing	-	Rs.1,50,000
6	Drainage- Parapet -Retention Wall	Rs. 5,00,000	Rs.3,00,000

	Total	Rs 26.2	Rs.20.0 Lakhs
		Lakhs	
	Summary of cost allocated for Remediation	plan, NRAP, CF	RAP
Sn	Description	Estimated cost (Rs.in Lakhs)	
1	Remediation Plan	Rs.162.50/-	
2	Natural Resources Augmentation Plan	Rs.236.00/-	
3	Community Resources Augmentation	Rs.208.44/-	
	Plan		
	Sub-Total	Rs.606.94	
4	Budgetary provisions to implement the	Rs.39.14/-	
	commitment based on Public Hearing		
	Total	Rs. 646.08/-	

xx. Details of project cost and employment:

Particulars Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP	0.653 crore (0.262 + 0.3914)
+ capital cost of Public hearing)	V C C
Project Cost	19.57 crore
Employment (No.s)	350 Persons.
	As per the Chapter 13 of Vol I of EIA
	Report.

3. Observation and Recommendation of the Committee:

The instant proposal is for Environmental Clearance under violation category. The proposal was earlier considered in the EAC meeting wherein the Committee asked the Project Proponent to submit the proof of payment of Rs. 18.69 crore as per Department of Geology and Mining, Guindy letter dated 09.12.2022. The Project Proponent informed the EAC that they have contested against the demand raised by Department of Geology and Mining before Hon'ble High Court of Madras in W.A. Nos. 834 of 2020 (w.r.t to Rs. 11.44 Crore demand) and W.P. Nos. 32057 of 2023 (w.r.t to Rs. 7.24 Crore demand). PP also informed the EAC that Hon'ble Madras High Court vide order dated 15.02.2024 had construed the impugned orders/memos imposing 100% penalty/cost upon the appellants/petitioners as show-cause notices. The Hon'ble Court further directed the Project Proponent to file its reply on the above said show-cause notices within a period of four weeks.

In view the above submissions made by the PP, the EAC **deferred** the proposal and asked the Project Proponent to submit the following additional details

- i. PP needs to submit the copy of the reply of the show cause notice that it submitted to Department of Mines and Geology.
- ii. PP needs to submit the present status report in the matter from DMG, Tamil Nadu.

- iii. PP needs to submit the chronology of existing court cases along withthe replies filed by it and the state authorities.
- 1.2 Expansion of Sanu-I Limestone Mining Project with enhancement in production capacity from 3.3 to 3.848 MTPA (less than 20%) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size) 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) In the ML area of 1000 ha (ML No. 27/1996) by M/s Rajasthan State Mines and Minerals Limitedlocated near Village Sanu, Sub Tehsil Ramgarh, Tehsil Sam (Old Tehsil Jaisalmer), District Jaisalmer, Rajasthan For Environmental Clearance under OM dated 11.04.2022 (Stage-II expansion) reg [Online Proposal No. IA/RJ/MIN/458597/2024, File No. J-11015/42/2006-IA. II (M)]EIA Consultant: Fulgro Environmental & Engineering Services India Pvt. Ltd.

The instant proposal is for expansion of Sanu-I Limestone Mining Project with enhancement in production capacity from 3.3 to 3.848 MTPA (less than 20%) in second phase which includes keeping ROM SMS grade Limestone resource- 3.3 MTPA same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral from Handling of old backfilled limestone size reject dumps (0-30 mm size) - 0.548 MTPA along with Crushing (1X300 TPH, 1X250 TPH, 1X200 TPH, 1X150 TPH), Screening plant (2X300TPH, 2X250TPH, 2X200TPH) In the ML area of 1000 ha (ML No. 27/1996) by M/s Rajasthan State Mines and Minerals Limited located near Village Sanu, Sub Tehsil Ramgarh, Tehsil Sam (Old Tehsil Jaisalmer), District Jaisalmer, Rajasthan.

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The proposed project activity is listed at schedule no. 1(a) Mining of Mineralsand falls under Category "A" of the schedule of the EIA Notification, 2006 and appraised at the Central level.
 - ii. The mine lease area is located between Latitude 27°19'39.37"N to 27°19'40.13"N & 27°16'43.77"N to 27°16'44.53"N and Longitude 70°33'47.35"E to 70°33'49.81"E & 70°34'54.62"E to 70°34'57.11"E.The mine lease area falls under the Survey of India Toposheet No: 40 I/11 and falls in Seismic Zone-III.
 - iii. Earlier, the Project Proponent obtained following Environmental Clearance as tabulated below:

S.No.	Details of EC obtained in the favour of M/s Rajasthan	Letter No. & Date
	State Mines & Minerals Ltd. (RSMML)	
1.	Environment Clearance over an area of 1000 ha for	Vide letter no. J-
	1.25 MTPA of Steel Grade Limestone.	11015/42/2006-IA. II

		(M)	dated
		03.08.2007	
2.	Amendment in EC for enhancement in life of mine	Vide letter	no. J-
	from 31.03.2016 at maximum annual production	11015/42/200	06-IA. II
	capacity of 12.5 LTPA as in the IBM approved Mining	(M) (Pt.)	dated
	Plan/Scheme of Mines, the balance estimated	22.03.2017.	
	reserves has been enhanced based on the additional		
	exploration during scheme of mining (SOM) period &		
	resulted the mineral reserves of probable/possible		
	category falling under proved category.		
3.	Further obtained Amendment in EC forenhancement	Vide Letter	no. F.
	in the production capacity of SMS Grade Limestone	No.	J-
	from 1.25 MTPA to 1.50 MTPA along with ROM	11015/42/200	06-IA. II
	handling of Limestone from 2.799 MTPA to 3.30	(M)	dated
	MTPA.	23.06.2021.	

iv. Details of Mine Lease in chronological manner:

Grant	From	То	Lease deed execution date	Lease registration date
Initial Grant (30 Years)	01/04/19 <mark>97</mark>	31/03/2027	22/07/2010	30/07/2010
Extension	From	То	Renewal date	
1st (Deemed	ブ (人)		2///2	
renewal from the	01/04/1997	31/03/2047	15/11/2018	
initial grant)	3			

v. Land Use/Land Cover of the Mine Lease Area:

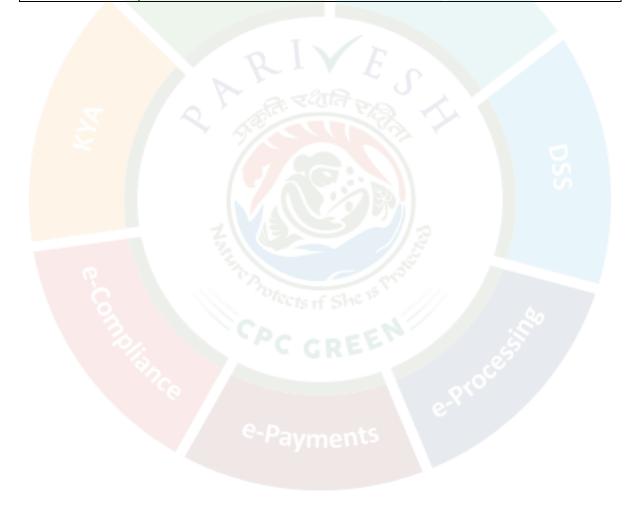
Private land	ML Area: 1000 Ha.
Government land	GREE
Forest land	0 Ha.
Total Mining lease area (MLA), ha	1000 Ha.
Private land for crusher, workshop	NA
& other infrastructure outside the	ayment ⁵
MLA	

vi. Mining plan details

Mining Plan	Letter No.	MCDR-MPC0LST/2/2023-
including		AJM-IBM_RO_AJM
Progressive	Date	09/06/2023
Mine Closure	Mineral & (Major/Minor)	Limestone (Steel Grade &
Plan		Cement Grade) and Major
(approved by	Mine Lease Area, Ha	1000 Ha.

Indian Bureau	Valid	dity		2026-2	7					
of Mines/DMG)										
Additional		Approval of Earlier Mining Plan & Its Subsequent Review In								
information (if any)	Chro	Chronological Order Period Type of								
	S. N o.	Letter Number	Date	From	То	Approv ed Docum ent				
	1	326/108/ZN- 28/90-MCCM(NZ)	14/06/1 991	01/04/1 991	31/03/1 996	Mining plan				
	2	584(6)(3)(15)/96 RCMAJM	20/08/1 997	01/04/1 996	31/03/2 001	Schem e of Mining				
	3	584(6)(3)(94)/200 1RCM-AJM	04/02/2 002	01/04/2 001	31/03/2 006	Schem e of Mining				
7.7. 2.7.2.	4	584(6)(3) (94- PMCP/2004-AJM	28/01/2 005	01/04/2 004	31/03/2 006	Schem e of Mining				
	5	584(6)(3) MS- 259/2006AJM	09/09/2 006	01/04/2 006	31/03/2 012	Schem e of Mining				
e l	6	584(6)(3) (391)/2011- RCOM-AJM	13/06/2 012	01/04/2 012	31/03/2 017	Schem e of Mining				
	7	584(6)(3) (1667)/2016- RCM-AJM	16/12/2 016	01/04/2 017	31/03/2 022	Review Of Mining Plan				
	8	584(6)(3) (1763)/2018- RCM-AJM	14/12/2 018	01/04/2 018	31/03/2 022	Modificat ion Of Mining Plan				
	9	584(4)(3) (1899)/2021- 22RCM-AJM	29/03/2 022	01/04/2 022	31/03/2 027	Review Of Mining Plan				
Mining Parameters	Qua	ntitative Description								
Method of Mining	Ope	n cast Mechanized								
	1									

Drilling/Blastin	Drilling/Blasting
g	
Geological	392.47 MT (Million Tonne)
Reserves	
Mineable	16.35 MT (Million Tonne)
Reserves	
Breakup of	Total Material handing 3.848 Million TPA (ROM SMS grade
Total	Limestone resource- 3.3 Million TPA recovery of mineral from
Excavation	Handling of old backfilled limestone size reject dumps (0-30 mm
(Topsoil/OB/S	size)- 0.548 Million TPA)
B/IB/Mineral	
Rejects/	VYC
Waste, MTPA)	e As



	S.	No.	Product	Capacit y mentio ned in the EC dated 3rd Aug 2007 & 23rd June 2021	Existin g Capac ity as per EC (MILLI ON TPA) dated 3rd Aug 2007 & 23rd June 2021	Proposed Capa city (MIL LION TPA)	Remark/End use
kyy e-company	1		SMS Grade Limesto ne (30 to 80 mm particle size) as per EC granted by MoEF & CC vide letter no. J- 11015/4 2/2006- IA.II (M)	1.25 Sold Figure 1.25 S	1.50	1.50	End use: Steel industries
	2	2a	dated 3rd August 2007 Mineral Size Reject (10 mm- 30 mm)	1.559	1.8	1.8	End use: cement, power & other industries

		101		1			T = .
		2b	Screen				End use:
			Reject				Market is yet to
			Limesto				be established.
			ne less				
			than 10				
			mm				
			particle				
			size)				
	3 ((1+2)	ROM	2.799	3.30	3.3	
			(Limesto				
			ne				
			Resourc				
			es)			0.	
			,		1. 1.50		M. FF 0.00
			-		_		y MoEF & CC
					/42/2006	-IA. II (N	1) dated 23rd
			June 2021				
	4	4.1	Size	0	0	0.32	End use:
			mineral	58118-	0	88	cement, steel,
5		0	rejects	coon b	没 v	74 1	power plants &
			(10-30		103		other industries
~ /			. /				other madstres
			mm	.60	A 11		UN UN
			size)		100		S
		4.2	Reject	100	0	0.21	E <mark>nd</mark> use:
		-	(0-10	0		92	b <mark>ac</mark> kfilled or
	١.		mm		/// يو		dispatch
			Size)		75		subject to
1			6/2		Pi		Market demand
A 8	4 (0(4.1	Handling	0	0	0.54	End use:
1 3		l.2)	of old		- 3/	8	
(A) (3)	+4	1.2)		GRE	EL	0	cement, steel,
			backfille	OKE			power plants &
	100		d			-,0	other industries
			limeston			~8\	
			e size			8	
			reject	/ment	S \\		
			dumps	A1112-1124			
			(0-30				
			mm				
			size)				
	5(3+4)		Total	2.799	3.30	3.84	In first phase
			Material			8	Expansion in
			Handling				ROM- 17.89 %
			(MILLIO				In Second
			N TPA)				Phase
			' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
						1	Proposed

								Expans	ion is
								37.47 %	6 from
								First ph	ase
								initial E	C grant
								as per l	ΞIA
								notifica	tion,200
								6	
	CRUSH	ING AN	D S	CREEN	IN	G PLAN	Ť		
				Existin	g		Prop	Total	
							osed		
	6	Crush	ing	1X300	,1)	X250,1	NIL	1X300,	1X250,1
		unit		X200,	1X	150		X200,1	X150
	7	Scree	nin	1X250	T	PH,	1X30	1X250	TPH,
		g unit		1X250	T	PH,	0	1X250	TPH,
				1X200	T	PH,	TPH,	1X200	TPH,
		0		1X200	T	PH	1X30	1X200	TPH,
		1					0	1X300	TPH,
				हिंदाति			TPH	1X300	TPH
Life of mine	6 Years	6 Years							
Mine Bench	Bench He	eight: 5	m						
Height &	Bench W	idth: <mark>80</mark>	-120	m					
Bench Width									
No. of Mine	7		7//		4				
Benches	-	z\\/	3)						
Existing	Pit No.	Pit ID	Pit	Status	Α	rea Cove	ered by I	Pit (Ha)	Depth
Depth, m bgl	1	North	Act	tive	1:	23.98			4.50 m
	2	South	Act	tive	5	01.72	1/2	/	5.00 m
Ultimate Depth	5 m bgl			-0,,,,,,,,,,		30		್ಲಿ	
of Mining, m									
bgl	5.			UK				.e5	
Ground Water	70 m bgl						ر ر ر		
Table, m bgl							e.X		
Details of	Ground w	ater tal	ole w	vill not b	e i	ntersecte	ed		
ground water									
intersection									
Individual	70°								
bench slope									
Overall pit	45°	45°							
slope									
Details of	_	-				-	Crusher	s having	capacity
existing/	1X300,1	〈250,1X	(200	,1X150	TF	PH			
proposed									
Crusher									

Mineral	No
Beneficiation	
RoM output	Mine Material handling capacity from 3.3 million TPA to 3.848
size	million TPA (Less than 20 %) in second phase which includes
	keeping ROM SMS grade Limestone resource- 3.3 million TPA
	same (SMS Grade Limestone-1.50 MTPA) & recovery of mineral
	from Handling of old backfilled limestone size reject dumps (0-30
	mm size)- 0.548 Million TPA
Transportation	Via roads/railways and Capacity of dumpers/Tippers-25 Tones
details	
including	
capacity of	KYC
dumper/tipper,	e Ar
mode of	
transport and	T
distance	OVE
Generation of	There is no top soil generation/OB generation envisaged from the
Topsoil/OB &	proposed mines
its	
Management	
during plan	S
period &	
conceptual	
period Generation of	Mineral Reject generation of Size less than 10 mm & as per market
Mineral	specifications possibility is to explore the same for market use and
Rejects/	selling of -10mm mineral sized rejects with the objective to zero
Waste & its	waste mining as per National Mineral Policy 2019 to Conserve
Management	National Resources as much as possible.
during plan	realistics at mastras possible.
period &	
conceptual	Co
period	e-1

vii. Water requirement:

Total water requirement	55 Fresh water 55			
		Treated water	0	
Source	Water demand is being met available through IGNP			
	Canal			
Permission for withdrawal/	Permission obtained f	from IGNP dated	d 06/02/2007 for	
intersection along with	120 KLD for Sanu-I ar	nd Sanu-II mining	g project.	
details of grant and its				
validity				

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Nar	ne	Distance & Directions
Village	Joga village		~ 5.32 Km towards NNE direction
			from mining lease area.
Town	Ramgarh (Nea	arest	~8.67 Km towards NW direction
	Town)		from mining lease area.
Highway	NH-68		~ Passing through the mine lease
			area at about 0.90 Km towards
			South direction from the Pillar W
			of the M.L area.
Interstate Boundary	None in 10	KM	
e.	Radius		AR
Railway Station/Railway	Sanu Rail	way	~ 7.09 Km towards ESE direction
line	station		from mining lease area.
	OV		
Water Bodies	Sanwra De	esar	~1.37 Km towards SE direction
	Talab		from the mine lease area
Forest	None in 10	KM	
	Radius		

ix. Presence of Environmentally Sensitive areas in the study area:

Forest Land/	Yes/No	Details of Certificate/letter issued by the
Protected Area/	7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	concerned Department mentioning the Lr no,
Environmental	2 / a	date of grant and remarks
Sensitivity Zone	53	
Forest Land within the	150	Letter obtained from office of the Dy.
mine lease area and (if	No	Conservator of Forest, Wildlife, Jaisalmer vide
yes) status of Forest	CD	letter no. F()Misc./DCFWLJSM/2023-24/3155
Clearance		dated on 29.08.2023 stating that Mine site is
National Park	No	about 45 km away from the boundary of Desert
Wildlife Sanctuary	No	National Park Wildlife Sanctuary and about
Elephant/Tiger	No	1.45 Km away from the Great Indian Bustard
Reserve	G-h	Priority Area and lying within the Great Indian
		Bustard Potential Area
Eco-Sensitive	No	
Zone(ESZ) /Eco-		
Sensitive Area (ESA)		
Coastal Regulation	No	
Zone (CRZ)		
Schedule-I species	No	No Schedule I species were observed during
(No.s and name of		primary survey. Further, the Authenticated List
schedule-I species		of Flora & Fauna issued vide letter no. F ()
		DCF/Technical/2022-23/4863 by DCF,

with	authenticated	Jaisalmer dated on 04.09.2023 shows
letter)		presence of three Schedule I species namely:
		The Indian Porcupine (Hystrix leucura), Rat
		snake (Ptyas mucosa), Tawny Eagle (Aquila
		rapax)
Wildlife	Conservation	 Under Departmental Process
Plan		

x. Green belt/plantation details:

Proposed	Year		Un-worked		Additio	Net	Backfilled		Total	
area for			Area		nal	plantatio	Area			
green			$_{\rm J}$		plantati	n to be				
belt/plant		e.			on to	carried	40			
ation and					be	out				
no. of					carried	(Along				
saplings					out	with				
proposed					(Assum	replacem				
			P		ing	ent of	7			
- T		0	,		survival	non-	1			
			- 9		rate to	<u>surviving</u>				
					be	Plants)				2
			/1		70%)	211				$\hat{\mathcal{L}}$
			Are	No. of	No. of	No. of	Area	No. of	Ar	No. of
			а	Trees	Trees	Trees	(Ha)	Trees	ea	Trees
			(Ha			11,9			(H	
0)			200			a)	
	Existi	Un-	41.	41590		3 P.	313.	46,69		45370
\ \	ng	work	59	recti	if She		50	7	5	
	2	ed	// (D =		CH		.5		
	9/x	Area		C.	GRE			25		
	80	Both	3.7	3780				ري ^ن		
		sides	8				_ 21			
		of					e.			
		NH	- 6	?-Pav	men'	S \				
		passi								
		ng								
		throu								
		gh								
		the								
		mine								
	1 st (2023-		*2.2	18401		18401				18401
	24)		2							

	2 nd (2024-		18401	552	23921		tenanc		23921
	25)		10101	0	0====		o be		05555
	3 rd (2025-		18401	717	25577		one		25577
	26)		40400	6	00074				00074
	4 th (2026-		18402	767	26074				26074
	27) 5 th			3	7000	-			7000
	5"1			782 2	7822				7822
	6 th								
	End of Life					559.	Re-		
	of Mine					22	grassi		
	0.0	161				1	ng		
	Total	47.	1,18,9	22671	96275	872.		47.5	1,47,1
		59	75			72	grassi	9	65
			_ I				ng		
Budget	Rs. 5.21 lacs	(Recu	irring Co	ost)	CO				
for green									
plant &	Q								
plantation									
till the end									2
of life of									S I
mine.									
Budget									
for									
nursery Details of	Discussed in	the ok	201/0.00/	otion					
existing	Discussed in	ine ai	oove sed	HOH					
plantation									
and its	CAC GREEN STO								
survival	16.								
rate	700								
No. of		-			\rightarrow	e×			
tree cuts									
in the									
mine									
lease									
area and									
compens									
atory									
afforestati									
on									
Particular	Area covered	(in H	a)						
s for									

Green							
belt/plant							
ation							
7.5 m	43.81 Ha. (Green Belt/Plantation (Undisturbed Area) & 3.78 Ha.						
barrier &	(Plantation along both sides of NH passing through the mine).						
non-							
mineraliz							
ed zone							
50 m							
safety							
zone of							
nallah,	LYC C						
roads,	e As						
electric							
lines							
500 m							
safety							
zones of	वा रिविति कर						
nearest							
habitation	, 47						
villages							
	ine detail:						
Possing Date (Air / Water / Naige / Sail / Hydro goological study/ Traffic Study/							

Baseline detail: xi.

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/					
others)					
Period of baseline data collection	March-May 2023				
Season (Summer / Pre-monsoon / Post-	Summer				
monsoon / Winter)					
Predominant Wind direction (From)	SW				
Ambient Air Quality (no. of locations) and	8				
results	Coc				
Noise level (no. of locations) and results	7				
Water Quality (no. of locations) and results	Surface-3, Ground water-2 Nos				
Soil Quality (no. of locations) and results	7				
Hydro geological study and results	Discussed in the chapter 3 of the				
	EIA/EMP Report.				
Traffic study (no. of locations) and results	Mining activity would deploy 25				
	T/Truck and 144 trips/day, or				
	PCU/day will be 432. Thus,				
	incremental increase in traffic will be				
	50%. There will be no much impact				
	on local transport of mineral from				
	mine site via roadways and railways.				

The LOS value for the NH-68 will be "Excellent" after post mining. So, the additional load on the carrying capacity of the concerned roads is not likely to have any significant adverse effect

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)

Date of PH

Venue

Main issues raised during PH

Chaired by

Budget proposed for addressing issues raised during PH over 3 years

Additional information (if any)

As per EIA Notification, dated 14th September, 2006 and its subsequent amendments till date the said project falls under Category "A" and accordingly, Environmental Clearance (EC) for mining activity is required under para 7 (ii)a of EIA Notification, 2006 (for Expansion or Modernization or Change of product mix in existing projects).

Earlier in Phase I enhancement in the production capacity of SMS Grade Limestone from 1.25 MTPA to 1.50 MTPA (20 %increase) along with ROM Handling of limestone from 2.799 MTPA to 3.30 MTPA (17.89% increase) at operating Sanu-I Limestone Mine.

Further, this EIA/EMP report is being prepared for Phase 2: 2.799 MTPA to 3.848 MTPA (37.47 % increase) expansion(<40% i.e., 37.47 % in phase 1 and phase 2) in line to MoEF & CC OM vide No. IA3-22/10/2022-IA.III [E 177258] dated 11th April 2022 and subsequent OM vide No. IA3-22/10/2022-IA.III [E 177258] dated 30th May 2022, para 5 Table Scenario III : "Up to 40 percent based on successful compliance of previous environmental safeguard conditions related to expansion of 20 percent" clearly stating that there requirement of revised EIA/EMP report and Certified EC Compliance report however there is no requirement of fresh public consultation

xiii. Details of CTE/CTO, Certified Compliance Report, and Certified Production Details from the inception of the mine:

Particul	Details of Letter along with date of grant and validity	
ars		
Consent	F(Mines)/Jaisalmer(Jaisalmer)/1958(1)/2016-2017/1150-1154	dated
to	07/07/2021 valid till 31/07/2024	

Establis						
h						
Consent	(Mines)/Jaisalmer (Jaisalmer)/1958(1)/2016-2017/1155-1159 dated					
to	07/07/2021 valid till 31/07/2024					
Operate						
Certified	PP sub	mitted the Ce	rtified Compli	ance Report	(CCR) dated 24.10.2023.	
Complia	As per t	he CCR, the	inspection wa	as carried out	on 19.07.2023.	
nce						
Report						
and						
Inspecti						
on date						
Certified	Certified	d Production f	igure along w	ith EC Capa	city	
Producti		Prod	duction in Tor	nes		
on		DOM.	30 mm –	10 mm –		
Details	Year	ROM	80 mm	30 mm	Description	
from the		Production	Size	size		
inceptio		A+B	A	В		
n of the	1987			TO Y	Issued via ME, Mines	
mine (in	-88	60067.400	60067.400	- J.	and Geology	
tabular	1988	200146.50	200146.50		Department Jaisalmer	
form	-89	0	0		vide letter no.	
against	1989	242104.10	242104.10	7 62	ME/Jaisal/Sankhya/20	
the EC	-90	0	0		15	
capacity	1990	465238.40	465238.40	4/ 2	/1206 dated on	
)	-91	0	0		19.01.2015	
, ,	1991	592140.50	592140.50	- 16 Ti		
	-92	0	0	WE A	*Note: Addition of A &	
	1992	5 99784.50	599784.50	-52	B, however not given in	
	-93	0	0	EE.	the certificate.	
	1993	441619.40	441619.40			
	-94	0	0		810	
	1994	333412.60	333412.60			
	-95	0	-Paome	nts \		
	1995	529663.80	529663.80			
	-96	0	0			
	1996		596235.10			
	-97	658961.3	0	62726.200		
	1997	1452000.0			Issued via ME, Mines	
	-98	0	574674.16	877325.84	and Geology	
	1998	1282000.0			Department Jaisalmer	
	-99	0	511977.52	770022.48	vide letter no.	
		<u> </u>			1.20 10.01 1101	

	1999	1121000.0			ME/Jaisal/Sankhya/20
	-00	0	448558.70	672441.30	15
	2000 -01	1473000.0 0	589564.25	883435.75	/782 dated on 14.03.2016
	2001	1492000.0		00.4500.05	11.00.2010
	-02	0	597430.35	894569.65	
	2002 -03	1269000.0 0	580514.93	688485.07	
	2003 -04	1863000.0 0	592468.00	1270532.0	
	2004	1797242.0		1198605.0	
	-05	0	598637.00	0	
	2005 -06	1549313.0 0	589994.00	959319.00	F
Α	2006 -07	1798470.0 0	868352.87	930117.13	
	2007	1625515.0 0	778920.76	846594.24	
2	2008 -09	1979170.0 0	881299.61	1097870.3	× 1
	2009 -10	1754319.00	813005.48	941313.52	280
	2010 -11	1669513.00	746978.04	922534.96	
	2011	2636900.00	1210126.4	1426773.6	
Q	-12	36	0	0	
	2012 -13	2027344.00	926496.33	1100847.6 7	20
	2013	<mark>188</mark> 1815.00	868927.82	1012887.1	.5
	-14 2014	2137593.00	072054 37	8 1165538.6	
	-15	2107090.00	312004.31	3	RIC
	2015	1936097.00	903958.03	1032138.9	
	-16	G	~Payme	7	
	2016 -17	2084683.00	969311.10	323493.75	Issued via ME, Mines and Geology Department Jaisalmer vide letter no. ME/Jaisal/Sankhya/20 19 /994 dated on 15.03.2019

	Yea r	ROM Produc tion	>30 mm - 80 mm Size Gitty	<30 mm size Gitty	Backfille d mined out pit	Description
	201 7- 18	26851 96	1230412 .60	401480. 67	1053302. 73	
	201 8- 19	27259 21	1249981	291951. 70	1183988. 1	Issued via ME, Mines
	201 9- 20	26315 26	1189789 .30	279181. 98	1162554. 72	and Geology Department Jaisalmer vide letter no.
	202 0- 21	20996 86	0949911 .76	219908. 71	929865.5 3	
\$	202 1- 22	31098 65	1425595 407491 1276777	10.07.2025		
Ky	202 2- 23	30269 02	1389528 .49	55235 <mark>5.</mark> 35	1085018. 16	pss

xiv. Rehabilitation & Resettlement (R&R):

R & R details	No R & R study involved as this is an existing
35.	mining project also no settlements are present
70	in the mine lease area that requires R & R.

xv. Court case details:

Court Case, No and its present	No Court Case is pending
status	-000
Undertaking by Project Proponent	Undertaking is enclosed along with the
w.r.t court case	EIA/EMP Report.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	Project Proponent has submitted an Affidavit		
dated 30.05.2018	along with the EIA/EMP Report.		
Undertaking by Project Proponent	Project Proponent has submitted an		
in EIA/EMP report	Undertakingalong with the EIA/EMP Report.		
Undertaking by Consultant in	Undertaking by Consultant has been submitted		
EIA/EMP report	along with the EIA/EMP Report.		
Plagiarism Certificate	Plagiarism Certificate has been submitted		
	along with the EIA/EMP Report.		

xvii. Details of the Environmental Management Plan (EMP):

No. Allocation (Cartering Cartering	dget Budget ation in Allocation in acs. Lacs. pital) (Recurring)					
(Ca						
l :	pital) (Recurring)					
	<u> </u>					
1 Environmental Monitoring Cost						
a. Water Quality analysis	0.50					
b. Air pollution monitoring	1.00					
Air						
❖ Installation of online continuous	0.0 1.00					
Ambient Air Quality Monitoring						
Stations for monitoring of air pollution						
attributes PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ & CO	48					
ii Control of fugitive emission during	10.00					
loading and unloading,						
transportation/water sprinkling						
measures.						
iii Air Pollution Control Devices	5.00					
installation at the material transfer						
points at crusher plant (Fogging						
System, Bag Filters)	5.04					
iii Greenbelt/Plantation	5.21					
c. Noise pollution Monitoring	0.40					
	.00 0.70					
management structure						
	.00 1.00					
4. Blasting related safeguard expenses	0.50					
5. Waste Management (Municipal Waste)	0.15					
	3 <mark>.71</mark> 0.20					
wildlife and human movement						
	.00 2.00					
	.72 1.00					
(re-grass <mark>ing)</mark>						
Total 11	5.43 28.66					

xvii. Details of project cost and employment:

Particulars	(Rs. I	n Crore)	
Total cost of EMP			
(Capital Cost of EMP + capital cost of	Sr. No.	Particulars	Capital Expenditure (In Crores)
Public hearing)	1	Existing project cost	Rs. 12.00 Crores

	2	Project cost for expansion	Rs. 25.52 Crores		res
		Environment	Existing	Pro	posed
		Management	Recurring	Capital	Recurring
	3	Plan	(Rs Lacs)	(Rs	(Rs Lacs)
				Lacs)	
			20	115.43	28.66
		Total			Rs. 37.52
		Total	Crore		
Project Cost	Rs. 37.52 Crore				
Employment (No.s)	112				

xviii. The point-wise compliance in the following table as per the Ministry's OM dated 11.04.2022 under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition. The OM is applicable subject to fulfilment of following criteria:

Sr.	Condition as per OM	Compliance of condition
No	न विस्तिति है	
1.	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Public hearing of the project held on 07.07.2005 for an annual production capacity of 12.50 Lakh tonnes (1.25 million tonnes) of steel grade limestone.
2.	There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansion	There is no change in the category of the project.
3.	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-à-vis the area mentioned in the EC, based on which public hearing has been held earlier.	No Change in the Project Area.
4.	The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	Proposed expansion is not more than 50% of production capacity.
5.	Predicted environmental quality parameters arising out of proposed expansion/modernization shall be within the prescribed norms and the	Baseline Monitoring and data have been collected during the Month of month

	same shall be maintained as per prescribed norms.	March to May 2023 in summer season.
6.	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	PP has proposed additional plantation apart from the 33% of ML area.
7.	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not be more than one year old at the time of submission of application	PP has submitted thecertified compliance report vide dated 24.10.2023. Site inspection date has not been submitted by the PP.
8.	Public Consultation shall be undertaken [if applicable as per table below] by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Not applicable.
9.	Effluent monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	No data available.

3. Observation and Recommendation of EAC:

The EAC, after deliberations observed that instant project is for expansion and PP has applied under OM dated 11.04.2022 for enhancement upto 37.87% (Stage-2) capacity expansion under para 7(ii) of EIA Notification, 2006. The EACobserved that the PP has not complied to all of the points of mentioned in the Ministry's OM dated 11.04.2022 issued under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%. EAC further noted that the PP is having the permission to mine 1.5 MTPA SMS grade limestone with ROM handling capacity of 3.3 MTPA.

The PP has collected the Baseline data for the period from March to May, 2023 and onbserved that the Ambient Air Quality, Water Quality, Soil Quality and Noise Level are within the permissible limits.

Further, the Committee observed that the PP has not complied the condition with regard to the plantation of trees within mine lease area, the EAC opined that the existing ratio of greenbelt should be more than 33% of the Mine Lease area. EAC also noted that PP has not installed any Continuous air quality monitoring system within the ML area. The EAC also emphasised that PP should increase the activity-wise budget for EMP, Public Hearing and their recurring cost. Based on aforesaid discussion, the EAC **deferred** the proposal for the submission of following information:

- i. The PP needs to submit the point wise compliance of Ministry's OM dated 11.04.2022 under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition.
- ii. PP needs to submit a study showing the impact of mine operation upon the existing boundary of Desert National Park /Wildlife Sanctuary and upon the Great Indian Bustard Potential Area which is about 1.45 Km away from the Mine lease boundary.
- iii. The PP needs to submit the authenticated mineable Limestone reserve and total Limestone reserve available within ML area from Director of Mines and Geology.
- iv. The PP needs to submit DMG authenticated past production since the commencement of mining operations.
- v. The PP needs to submit an undertaking for not exceeding the past production w.r.t. the EC capacity.
- vi. The PP needs to create a nursery of native plant species in 5 ha land within the mine lease area (with not less than 1 lakh of sapling capacity). The nursery should be ready within three months.
- vii. The PP needs to submit the status of wildlife conservation plan prepared as per the Wildlife amendment act, 2022.
- viii. The PP needs to submit the detail action plan related to the budget already spent and to be spent with regard to activities covered under EMP and as part of CSR.
- ix. The PP needs to submit the recorded Drone video of the Mine lease area covering Mine pit, OB dump and Plantation area.
- x. The PP needs to undertake a carrying capacity study in order to findout the impact on the National Highway-68.
- 1.3 Gujarda, Dudheri & Dudhala Limestone Mine for production capcity of 2.7 MTPA in the mine lease area of 681.62 ha by M/s Nirma Limited located at Villages Gujarda, Dudheri & Dudhala, Tehsil Mahuva, District Bhavnagar (Gujarat) Reconsideration for Environmental Clearance (EC) reg[Online Proposal No. IA/GJ/MIN/443968/2023, F. No. J-11015/153/2016-IA.II(M)][EIA Consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for Gujarda, Dudheri & Dudhala Limestone Mine for production capcity of 2.7 MTPA in the mine lease area of 681.62 ha by M/s Nirma Limited located at Villages Gujarda, Dudheri & Dudhala, Tehsil Mahuva, District Bhavnagar (Gujarat).

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The mine lease area is located between Latitude 21°01'1.31"N to 21°03' 44.86" N and Longitude 71°41'15.21"E to 71°43'38.54"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
 - iii. The Project Proponent has obtained the ToR for mining of Limestone in Gujarda, Dudheri & Dudhala Limestone Mine of M/s Nirma Limited vide letter no. J-11015/153/2016-IA.II(M) dated 06.02.2023.
- iv. Details of Mine Lease in chronological manner:

S.n <mark>o</mark>	Prospecting	Date of the	Name of	Period of	Granted by	Mine
	License/	grant	the Mineral	Grant		lease area
	Letter of Intent		& (Major/	2 E2 1		in Ha
	(Lol)/ Grant of	- N	Minor)			
	Mine lease	2/				
	and Lr No	3,1		300		
1	MCR-102004-	15.02.2008	Limestone	30 years	IMD,	1497.4701
1	1943-CHH		rects if Sh	///	Government	
	3.	C	2	-N	of Gujarat	
2	MCR-102004-	02.02.2011	Limestone	30 years	IMD,	1489.4701
	1943-CHH				Government	
		0			of Gujarat	
3	MCR-102004-	08.01.2017	Limestone	50 years	IMD,	681.62
	1943-CHH	e-	Pavmen	ts \	Government	
					of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine
	Mine Lease deed	From	То	the	lease
	execution			Mineral	area in
					На
1	MCR-102004-1943-	11.01.2017	10.01.2067	Limestone	681.62
	CHH				

v. Land Use/Land Cover of the Mine Lease Area:

Private land	565.9454
Government land	115.6746
Forest land	-
Total Mining lease area (MLA), ha	681.62
Private land for crusher, workshop &	No facilities outside the ML area. However crusher
other infrastructure outside the MLA	will be installed at company's Cement Plant.

vi. Mining plan details:

Mining Plan including Progressive	Letter No.	File No.: 684(4)(1)/MP-	
Mine Closure Plan (approved by		348(197)/2021-22 GNR/1121	
Indian Bu <mark>reau</mark> of Mines/DMG)	Date	04.08.2021	
	Mineral &	Major	
D	(Major/Minor)		
	Mine Lease	681.62	
	Area, Ha		
	Validity	31.03.2026	
Mining Parameters	Quantitative Des	scription	
Method of Mining	Opencast mecha	anized	
Drilling/Blasting	Multi-row drilling	and V-pattern drill holes for deep	
	hole drilling and	blasting. S <mark>lu</mark> rry explosive -cap	
Z ()	sensitive and no	n-cap sensit <mark>iv</mark> e.	
Geological Reserves	57.280 Million to	nne	
Mi <mark>neable Reser</mark> ves	20.574million tonne		
Breakup of Total Excavation	Top soil- 0.57 mi.cum		
(Topsoil/OB/SB/IB/Mineral Rejects/	OB/SB/IB/Minera	al Reje <mark>ct</mark> s- Nil	
Waste, MTPA)	Waste-Nil	5	
Life of mine	11 years (Life of	mine may be increased subject	
90	to conversions of resources under 333 category		
	into category of		
Mine Bench Height & Bench Width	6.0 m, for working bench 12-15 m for closing		
	(conceptual) ber	nch Optimum	
No. of Mine Benches	2		
Existing Depth, m bgl	New mine		
Ultimate Depth of Mining, m bgl	10 m		
Ground Water Table, m bgl	15.5 m (Post monsoon)		
Details of ground water intersection	No ground water will be encountered during		
	planning stage i.e. in working plan in neither pre		
	monsoon nor post monsoon season in any of the		
	=	ter will also not intersect during	
	mining at the end	d of mine life.	

Individual bench slope	80-85°	
Overall pit slope	~ 45°	
Details of existing/ proposed	Proposed crusher will be installed at Cement	
Crusher	Plant.	
Mineral Beneficiation	-	
RoM output size	-	
Transportation details including	Internal haul road from mine face to crusher and	
capacity of dumper/tipper, mode of	by conveyor from crusher to the Cement plant	
transport and distance	adjacent to the mine lease.	
	For the Soda Ash Plant located at approx.100 km	
	at Kalatalav, Bhavnagar limestone will be	
KYC	transported in dumpers/ trucks through National	
2	Highway 51.	
	Internal haul road from mine face to crusher	
	means of dumper/tippers of 25 tonnes capacity.	
Generation of Topsoil/OB & its	Top soil at plan period- 249806 cu.m, temporary	
Management during plan period &	stacking at one location	
conceptual period	Top soil at conceptual period-321394 cu.m,	
	simultaneously backfilling	
Generation of Mineral Rejects/	Nil	
Waste & its Management during plan		
period & conceptual period	No.	
Additional information(if any)	Surface miner as well as ripper/dozer & rock	
Z (1)	breaker will be used for mining to minimize drilling	
2.	& blasting.	

vii. Water requirement:

Total water requirement	44 KLD	Fresh water	3 KLD	
	CACCREEN	Treated water	41 KLD	
Source	Fresh water source Nar	Fresh water source Narmada water pipeline/Water tanker.		
200	Water harvested within mine lease during rainy season.			
	Treated water source-	- Reject water o	of RO /DM plant	
	&Reject water of RO /DI	M plant (proposed	d at Cement plant)	
Permission for withdrawal/	Permission for water	withdrawal from	Narmada water	
intersection along with	pipeline has beer	<mark>n</mark> taken vid	e letter No.	
details of grant and its	GWIL/Bhavnagar/Ind.co	onn./1257 dated 4	1.06.2008.	
validity				
Additional information (if	-			
any)				

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars Particular's Name Distance & Directions	
---	--

Village	Gujarda, Dudheri, Dudhala	0.2-0.5 km	
	Madhiya	0.5 km, NW	
	Padhiarka	0.5 km, W	
Town	Mahuva	4.0km, NE	
Highway	NH-51 (Una-Mahuva	Within	
	highway)		
Interstate Boundary	Rajasthan	Approx.500 KM,N	
Railway Station/Railway line	Amrutvel	2.0km, N	
Water Bodies	Arabian Sea Coast	0.5 km, S from the HTL	
	Samdiyala Salinity ingress	4.5 km, WSW	
31.	control bund		
	Malan Bandhara	1.5 km E	
	Malan River	4.4 KM,E	
	Bhambhali River	5.4 Km, W	
	Garasawo River	0.9 KM,NE	
Forest	RF near Patwa	2.8 KM,SW	
	RF near Doliya	7.4 KM,E	
	RF near Dudheri	0.6 KM,S	
~	RF near Gujarda	0.3 KM,S	
	RF near Khared	2.1 KM,E	

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/	Yes/No	Details of Certificate/letter issued by
Environmental Sensitivity Zone		the concerned Department
() () () ()		mentioning the Lr no, date of grant
	Please of she V	and remarks
Forest Land within the mine	-1011 011	2
lease area and (if yes) status of	No	
Forest Clearance	C CKE.	.57
National Park	No	400
Wildlife Sanctuary	No	01
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone(ESZ) /Eco-	No	
Sensitive Area (ESA)		
Coastal Regulation Zone (CRZ)	Yes	ML area outside CRZ- GCZMA letter
		no.ENV-10-2023-170-T dated
		19.07.2023
Schedule-I species (No.s and	Yes	Peafowl, Chinkara and Asiatic lion &
name of schedule-I species with		as per Wildlife Protection Amendment
authenticated letter)		Act, 2022, schedule-1 species have
		been updated in WLCP.

Wildlife Conservation Plan	Yes	On the basis of the fauna study
		findings & list of fauna authenticated
		by Forest Department, Wildlife
		Conservation Plan was prepared and
		submitted for approval. The said
		Wildlife Conservation Plan had been
		approved by the Forest Department
		on 20.12.2021. Rs. 19.9 lakh has
		been approved for the conservation of
		wildlife in the study area. As
		suggested by EAC &latest Wildlife
VYC		Protection Amendment Act,
6-12		2022,budget allocation for WLCP has
		been increased from Rs.19.9 Lakh to
		Rs.65.9 Lakh for all 3 mines.

x. Green belt/plantation details:

X. Croon bolyplantation dotalic.	
Proposed area for green belt/plantation and no.	30.00 Ha.
of saplings proposed	2 1 N
Budget for green plant & plantation till the end of	90.95 Lakhs
life of mine.	
Budget for nursery	S
Details of existing plantation and its survival rate	H) Y
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10.0
50 m safety zone of nallah, roads, electric lines	10.0
500 m safety zones of nearest habitation	30
villages	.57
Additional information (if any)	10.00 ha(Backfilled area (Govt.
0	wasteland))

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ other			
Period of baseline data collection	01.03.2021 to 02.06.2021		
Season (Summer / Pre-monsoon / Post-	Summer		
monsoon / Winter)			
Predominant Wind direction (From)	South		
Ambient Air Quality (no. of locations) and	16		
results			
Noise level (no. of locations) and results	16		
Water Quality (no. of locations) and results	15		

Soil Quality (no. of locations) and results	12
Hydro geological study and results	As per planned mining and Report of
	hydrogeological & hydrological studies
	of core and buffer zone of Gujarda,
	Dudheri & Dudhala limestone mine, the
	ground water table may get Intersected
	in post monsoon during 11th year at
	conceptual pit bottom level of +1.0
	AMSL. However, conceptual pit bottom
	level will be kept above ground water
	level i.e. +4.0m AMSL to avoid
V V C	intersecting ground water level.
Traffic study (no. of locations) and results	01 location & V/C = 31.27

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &
majo <mark>r national dail</mark> y and one regional	Indian Express
ver <mark>nacular daily ne</mark> wspaper)	tan
Date of PH	28.04.2023
Venue	At the premises of Nirma Cement Plant
	Area, NH 8E/51, Survey No. 80, Village:
	Padhiyarka, Taluka: Mahuva, Dist.
	Bhavnagar
Chaired by	District Collector & District Magistrate,
2	Bhavnagar District & Regional Officer,
0 3	GPCB Bhavnagar
Main issues raised during PH	Air pollution, salinity ingression, wildlife
o cisu :	protection, acquisition of agriculture land
Budget proposed for addressing issues	77 Lakhs
raised during PH over 3 years	55
raised dailing i it over o years	0,1

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity	
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid	
	upto 24/01/2028.	
Consent to Operate	-	
Certified Compliance Report and	-	
Inspection date		
Certified Production Details from	Fresh mine	
the inception of the mine (in		
tabular form against the EC		
capacity)		

xiv. Rehabilitation & Resettlement (R&R):

The total mine lease area is 681.62 ha, out of
which Govt. land is 115.6746 haand Private land is
565.9454 ha.Land will be required for quarrying an
area of 114.24 ha of Private land and Government
land including 18 houses/hutments in land of
Gujarda (15 nos.), in land of Dudheri (3 Nos.) &
Dudhala (0 Nos.) villages. There will be total of 656
land losers. There will be direct purchase or
leasing of private land, with the willing consent of
the private land owners. Approx. total
compensation will be Rs 18.0 Lakhs. In addition to
above, the registration cost of sale of the land and
homesteads shall be borne by the Company.
Assuming it to be 6% of the entire costs of sale, the
total resettlement budget works out to be Rs. 78.17
lakhs.

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related to
	environment and pollution matters in which the
Bos	project proponent is a respondent.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated	The Project Proponent has submitted an
30.05.2018	undertaking by way of notarized Affidavit dated
	09.10.2023 stating that the proposal does not
e-p-	involve violation of Ministry's OM dated
	30.05.2018.
Undertaking by Project Proponent in	The Project Proponent has submitted an
EIA/EMP report	undertaking vide letter dated 14.02.2023 stating
	that the contents (information and data) as given
	by the Consultant in the EIA/EMP report are
	factually correct with full knowledge of the
	undersigned (Shri Ashish Desai).
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre for
EIA/EMP report	Envotech & Management Consultancy Pvt. Ltd)
	has informed that the baseline data was generated

by MoEF &NABL Accredited Laboratory M/s Min Mec R&D Laboratory, a division of Min Mec Consultancy Pvt. Ltd., New Delhi and the same has been verified and also confirmed that he shall be fully accountable for any misleading information mentioned in this statement.

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S.N	Observation	Reply by Project Proponent
Ο.	of the EAC	e · · · · · · · · · · · · · · · · · · ·
	in	
	21 st meeting	
	held during	
	18-20 th	A T C C
I /	October,	व उत्पत्ति ।
	2023	
1.	The site visit report of the subcommitte e.	Site visit has been conducted by subcommittee on 22-25thDecember, 2023.
2.	Since the	Project Proponent has submitteda letter for issuance of
	mine site is	NoC/Clearance from Ministry of Defence vide application dated
	located	10.11.2023.
	within 20 km	C Property of the Control of the Con
	from	orects of She ve
	seaboard	Project Proponent has submitted a letter to Department of
	frontier, the	Geology & Mining, Govt.of Gujarat, Bhavnagar for
	Project	recommendation to issue NOC to Ministry of Defense vide
	Proponent	application dated 07.12.2023.
	shall submit	
	No Objection	
	Certificate	respect of process to be followed to obtain NoC of Ministry of
	from Ministry	
	of Defense	EC without condition of obtaining NOC from MoD.
	for	
	consideratio	
	n of the	
	instant	
	project.	
3.	-	The mine is captive mine to proposed cement plant at Mahuva
	Proponent	and Highgrade limestone to be used in company's own existing

needs submit action laying common Over Belt Conveyor (OLBC) for transportatio n of mineral mine from Plant. Project Proponent also needs to submit action for expansion of and passing the village road MoEF&CC. till the commission of the Over Land Conveyor

to Soda Ash plant located at Kalatalav, Bhavnagar as per the permission accorded by the Govt. of Gujarat vide letter dated for 17.08.2023.

The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational.

lease area to the Cement Hence, till the commencement of proposed cement plant, the Cement maximum 5% i.e. 450 TPD chemical grade limestone will be transported through dumpers @18 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar.

the Company is very much keen to establish cement plant as early plan as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity.

road with a width of 7m of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening has been submitted to the village road MoEF&CC.

Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC.

4. The Project Proponent needs to explore the possibility of laying over bridge over the Highway and shall

(OLBC).

The Project Since, the National Highway is under construction, we have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near our cement plant entry point or any other option suggested by NHAI for transportation of raw material & finished product. laying over Acknowledgment dated 23.10.2023 has been submitted.

submit the permission from the National Highways Authority of India (NHAI).

The Project 5. Proponent needs to submit the protection measures to be taken for salt water intrusion and the effectivenes s of the salinity ingress control bund.

Samdhiyala Salinity Ingress Control bund (Samdhiyala bund) was constructed by Government of Gujarat in the year 2000 on Motpet Creek to prevent sea water from coming towards landward side. On the landward side, rain water gets accumulated as well.

Presently, the accumulated rain water of Samdhiyala bund is being used during post monsoon by adjoining agriculture land owners and in other seasons they are extracting ground water through borewell. For agriculture land which is away from Samdhiyala bund, farmers are extracting ground water through borewell for agriculture due to which salinity & TDS are increasing in ground water.

As per company's water management strategy, after commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund.

At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection.

Hydrogeological monitoring network will be established by constructing piezometers in and around the lease.

During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund.

After exhaustion of mineral, voids left will act as natural water harvesting structures. Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.

Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation. In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund. 6. The Project In this regard, following site specific mitigation measures will be Proponent taken: needs to submit the Arabian Sea is situated at distance of more than 0.5 km in the site specific south of the said mine lease and is clearly outside the CRZ area mitigation which is certified by GCZMA. Letter dated 19.07.2023 has been measures issued to M/s Nirma ltd, from GCZMA. for backwaters There was only one probability of sea water coming to mine from Arabian | lease area which is through Motpet Creek. Samdhiyala Salinity ingress bund has been constructed on Motpet Creek to restrict Sea coming into the mine backwater coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea lease area. to come to mine lease area. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well. 7. The Project The Indian Bureau of Mines, Govt. of India, Gandhinagar has Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for needs to the period of 5 years i.e. up to 2025-26. revisit the for As per approved Mining Plan, Removal of soil and its disposal plan backfilling as below. clearly with indicating the Year: FY 2021-22 to FY 2025-26 voids area Removal of soil(cum):249806 the Means of disposal: *Temporary stacking at one location near and capacity Proposed Pit no.1. available/req

uired backfilling. Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha): 6.20

Year: FY 2026-27 to FY 2031-32 Removal of soil(cum):321894

Means of disposal: *Temporary stacking at one location till 2026-27 and then, temporary stacked soil will be shifted for

Backfilling.

Simultaneously Utilized for Back filling of shallow pits of around 4.0 m depth Proposed Pit No. 6. (As demonstrated in map attached in Enclosure-VIII).

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period.

Area covered under stacking (ha):Nil

Total

Removal of soil(cum): 571200

Area covered under stacking (ha): nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period = 114.24 ha

Total soil removal envisaged till conceptual period = 0.57 million cum (114.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha

Ultimate Dimensions of Pits at the end of conceptual period

Pit No.: 1

Pit Area covered (ha):49.56 Pit Top (m AMSL):20 to 14 Pit bottom (m AMSL): 10 Pit Depth in in m: 10 to 4

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 2

Pit Area covered (ha):12.78 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 8 Pit Depth in in m: 5 to 3

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 3

Pit Area covered (ha):14.40 Pit Top (m AMSL):13 to 11 Pit bottom (m AMSL): 6 Pit Depth in in m: 7 to 5

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 4

Pit Area covered (ha):17.51
Pit Top (m AMSL):17 to 12
Pit bottom (m AMSL):11
Pit Depth in in m: 6 to 1

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 5

Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 6

Pit Area covered (ha):15.66
Pit Top (m AMSL):10.5 to 4
Pit bottom (m AMSL):4
Pit Depth in in m: 6.5 to 0

Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha for entire depth – 570000 cu.m

Total

Pit Area covered (ha): 114.24

Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m)

8. The Project Revised wildlife conservation plan incorporating the Schedule-**Proponent** I species as per the latest Wildlife Protection Amendment Act, needs to 2022 has been submitted. revise the activities 10 species are protected under the Schedule-I of The Wildlife (Protection) Act 1972 are as: Asiatic Lion, Indian Leopard, proposed the Striped Hyena, Jungle Cat, Indian Fox, Jackal, Indian Grey under Wildlife Mongoose, Indian Porcupine, Chinkara and Grey Wolf. Conservatio n Plan. The Further, 2 species (Indian Peafowl and Eurasian Spoonbill) are Project protected under the Schedule-I of The Wildlife (Protection) Act Proponent 1972 amended 2022. also needs to ensure that the Schedule-I species per the latest Wildlife Protection **Amendment** 2022 Act. shall also be included in the Wildlife Conservatio n Plan for their conservation 9. EAC Type of land: Private The was of the Land rate, Rs. Lakh/ ha: 13.00 view that the Land requirement, ha: 100.22 compensatio Total Amount Rs. lakhs: 1302.86 n rate is very less and Type of land:Government the Land rate, Rs. Lakh/ ha: On mining lease asked Project Land requirement, ha: 14.02 proponent to Total Amount Rs. lakhs: _ revisit and justify the Total Landrequirement, ha: 114.24 Total Amount Rs. lakhs:1302.86 budget proposed for

Resettlemen t & Rehabilitatio n (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.

Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates.

Project Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual also needs to agreed market rates.

plan Type of homestead:Pucca land Rate, Rs. /sq.m.: 10000

Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36

Type of homestead:Semi pucca

Rate, Rs. /sq.m.: 5000

Approx. Homestead area, sq.m.:360 Total compensation, Rs. lakhs: 36

Type of homestead:Kutcha Rate, Rs. /sq.m.: 2000

Approx. Homestead area**, sq.m.:360
Total compensation, Rs. lakhs: 36

Total

Approx. Homestead area**, sq.m.: 360 Total compensation, Rs. lakhs: 36

** Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr. No: 1

Timeline for land requirement(present)

Sr. No.:1.1

Timeline for land requirement(present): purchased

Pvt. Land:49.49 Govt. land:0 Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67 Govt. land:0 Total: 25.67

Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0

Govt. land:115.67 Total: 115.67

Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21 Govt. land:0.02 Total: 54.23

Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual

stage -11th year Pvt. Land: 102.70 Govt. land:14.04 Total: 116.74

Sr. No.:2.3

Timeline for land requirement(present):Minelife (up to lease

period)

Pvt. Land: 565.94 Govt. land:115.67 Total: 681.62

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights

for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

10. The Project Proponent needs to submit the action plan for year wise exploration program.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 182 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 182 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval.

Program of Future Exploration

YEAR:2021-22 to 2025-26

No. of BH:

PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77

Grid Interval:400 m

Total Meterage: Up to +1.0 MRL

YEAR:2021-22 to 2025-26

No. of BH:

PBH-37,41,43,61,66,79,

81,83,96,100,115,117,119,121,143,141,139,137,135,133,167,

165,163,169,171,173,179,181

Grid Interval:400 m Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-18,19,20,21,22,23,27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,62-65,67,71-74,76,93,94 Grid Interval:200 m Total Meterage: YEAR:2021-22 to 2025-26 No. of BH: PBH-68-70,82,84,78,80,85-92,95,97-99,101-116, 118,120,122,123,124-127 Grid Interval:200 m Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-178,180,182 Grid Interval:200m or below Total Meterage: _ YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m Grid Interval: Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable. The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2 has been submitted. The Project Permission accorded by the Govt. of Gujarat vide order dated: 11. 17.08.2023 for utilization of Chemical Grade of Limestone for Proponent non-cement purposes has been submitted. needs to

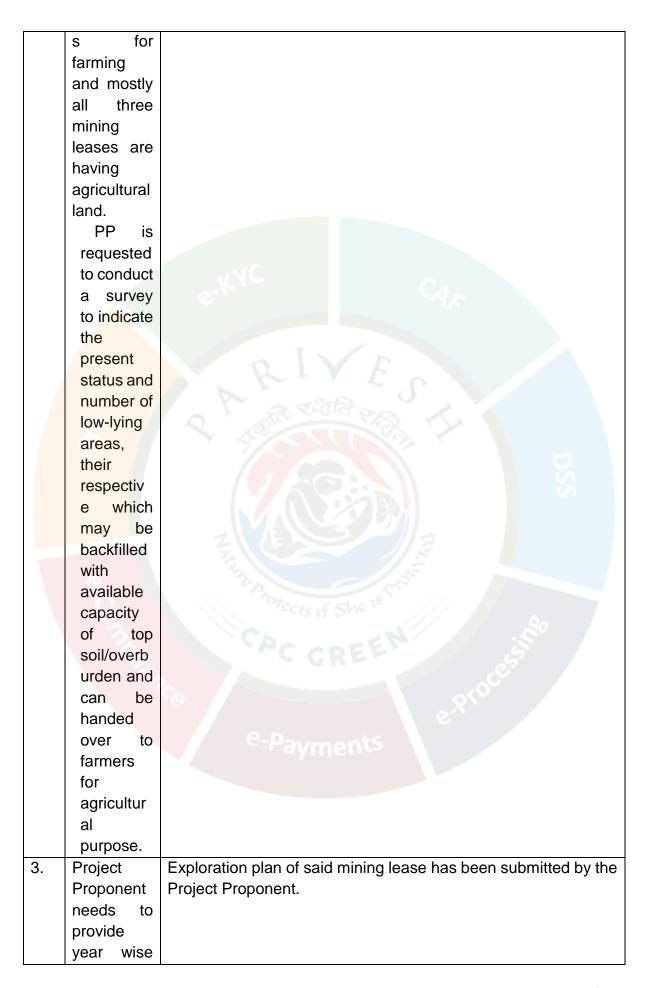
the

submit

copy of the permission

letter obtained the from State Govt. for utilization of Chemical Grade of Limestone for noncement purposes. 12. The Project The company has not carried out any mining within the lease Proponent area much less any illegal mining in the lease area. There are old pits pre-dating the allotment of the lease to the company, needs to which were received in legacy and shown in the present submit letter surface geological plan. Request letter in this regard has been from the submitted to Department of Geology and Mining, Government Department of Gujarat on 01.11.2023. Acknowledgement of the same has of Geology been submitted by the Project Proponent. and Mining, Government **Gujarat** clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not? **Site Visit Recommendation Reply**

1. PP should Action plan and Timeline indicating the purchase /obtain surface rights of land for mining for all three mining leases to initiate submit an mining activities has been submitted by the Project Proponent. action plan and timeline to indicate the purchase lands of across all three mining leases wherein it has proposed mining pits initiate mining activities since as on PP date has only purchased / obtained surface rights over 101,1967 Ha out of 1351.6489 of Private Agriculture Land. 2. In said mine, survey has been conducted & one pit i.e. Pit No. 6 Since PP envisages (Pit area -15.66 Ha) will have shallow depth pit and will be backfilled for entire depth of pits, looking to availably of soil for to handover backfilling the land • Pit no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire with depth. shallow quarry Action plan for backfilling of shallow depth pits of depth up to 4.0 having m and handing over to farmers for agriculture has been depth upto submitted by the Project Proponent. 4m to landowner



	exploration	
	plan for all	
	the three	
	mining	
	leases.	
4.	Since,	Chitra Industrial area (severely polluted area) in Bhavnagar city
	Bhavnagar	is located around 100 km away from our said mining lease area.
	falls under	On initial stage, company will engage water tanker with sprinkler
	severely	arrangement to suppress the dust on haul road and company
	Polluted	will make provision of permanent water sprinklers across the
	Area	haul roads in all three mining leases.
	category,	That roads in all three mining loades.
	PP shall	
	ensure that	T.
	during	
	initiation	
	phase itself	व रिवितिका
	they should	
	include the	, 47
	provision of	
	permanent	
	water	
	sprinklers	
	across the	
	haul roads	
	in all three	°B.
	mining	ofects if She is
	leases.	80
5.	Since,	Company will ensure to maintain require safety measures &
	Bellur and	distance from Bellur School & other schools as per DGMS norms
	other	for all three mining leases during mining.
	schools are	Tot all thos filling leades during filling.
	in close	G-Daymonts
	proximity to	e-Payments
	mine lease	
	area, PP	
	shall	
	ensure that	
	necessary	
	safety	
	measures	
	are taken	
	as per	

	DGMS	
	norms for	
	all three	
	mining	
	leases.	
6.	PP shall	The low lying area is where the rain water accumulates
	ensure to	temporarily during monsoon. These are not notified as wetlands
	construct	either under Ramsar Convention or by Central Govt. or State
	bunds near	Govt. Hence, the identifications and provisions under Wetlands
	the existing	(conservation and Management) Rules, 2017 do not apply in this
	low lying	case as per clause 3 of aforesaid Rules.
	areas that	1XC
	has	Moreover, Padhiyarka and Doliya Limestone Mine lease area
	dev <mark>elo</mark> ped	and Gujarada, Dudheri & Dudhala limestone mine lease area
	into	are located at a distance of more than 500 m from High Tide Line
	wetland to	of sea & also this area (between sea and low lying area in our
	prevent the	mining lease area) have higher altitude, therefore, there is no
	ingress of	chance of sea water ingress in mining lease area.
	sea water	However, company will construct bunds as and when required.
	in	7 77
	Padhiyarka	
	and Doliya	
	Limestone	
	Mine lease	Z (/ 3)
	area and	24
	Gujarada,	70.00
	Dudheri &	"Ofectors she to
	Dudhala	2.511 3.11
	limestone	CPC GREEN SEN
	mine lease	CRL
7.	The project	There is no Ramsar convention/ Central or State Government
' ·	The project Proponent	notified wetland in and nearby our mining lease area. The water
	needs to	bodies such as river channels and human-made water bodies
	submit the	(such as submergence areas of Samdhiyala Bandahara, Malan
	integrated	Bandhara) are excluded from the definition of wetlands as per
	manageme	Wetlands (Conservation and Management) Rules, 2017.
	nt plan	Tradanda (Concertation and Managoment) Raica, 2017.
	describing	There are low lying areas, in which rain water accumulates
	the	temporarily during monsoon. Mining activity will contribute
	strategies	towards enlargening & deepening such areas in pit no. 2 & 3 of
	and actions	Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri
	for	& Dudhala making a positive contribution to fresh water storage.
	achieving	and a summary of the summary to moon maken elorage.
	وو	

wise use of the wetland and the plan shall include objectives of the site manageme nt, manageme nt actions required to achieve the objectives, factors that affects, or may affect, the various site features, monitoring requiremen detecting changes in ecological character and for measuring the effectivene SS of manageme nt, and resources for manageme nt

The company does not intend to have any other use for these low lying areas.

As part of the integrated management plan for protection of water logged areas in and around the project, following steps shall be undertaken:

- Company will not do mining below 2 m AMSL in this low lying area so that there is no salinity ingress due to mining activity.
- Piezometer will be installed at designated locations to monitor changes in ground water level.
- Other allied activities such as transportation will be carried out by maintaining safety distance from this low lying area
- In this area of Gujarat, water logging due to rain water is a common phenomenon and resident water birds take advantage of such seasonal water logging to feed. Hence, company has proposed several measures as part of the wildlife conservation plan, with 3-year budget, as follows:
 - Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 lakhs)
 - Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs)
 - Assisting Plantation activities to be carried out by Forest Department, Bhavnagar (Rs. 1.5 lakhs)
 - Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lakhs)
 - Provision of equipments, camera, binoculars for efficient monitoring and eco-tourism promotion (Rs. 7.5 lakhs)
 - Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lakhs)
 - Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs)
 - Public education and awareness programmes for the following Avoiding plastic, Recycle and reuse, Reduce usage of pesticide and weedicide, Conservation of Wildlife, Garbage control (Rs. 3 lakhs).

Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs)

8. PP needs to engage and impart skill among

ation.

implement

Company will not acquire any agriculture land through land acquisition by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates.

the Land owners may purchase agriculture land in nearby area in villagers the amount which is to be paid to them against their land and can continue their livelihood. and local population Company will give priority to engage land owners who have mainly the land losers given land for mining purposes as per requirement of manpower and for mines. also submit а plan for Also, company will arrange to impart training to build capacity for their self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will alternate livelihood facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year). arrangeme nt since most of them will losing be their fertile lands. 9. PP should On initial stage, company has proposed to mine out limestone widen the for Soda ash plant in lower capacity and company will use existing existing village road for transportation of limestone by village maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 18 numbers of trips/day roads before maximum in this mine. Company will widen the existing village road or make alternate using it for transportati road in all three mining leases on installation of cement plant. on in all Section plan of the road widening has been submitted by the Project Proponent. three mining leases. wherever widening is not possible, PP shall submit an action plan for making alternate roads. 10. PP should Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease. engage wildlife

	experts/	
	avian	
	experts for	
	conservati	
	on of the	
	avian	
	fauna	
	within and	
	near its	
4.4	mine lease.	
11.	PP shall	Native fruit bearing plants will be planted across all the proposed
	plant native	green patches.
	fruit	S. A.
	bear <mark>in</mark> g	
	plants	
	across all	OVE
	the	
	proposed	a रिविति के
	green	
	patches.	7 9
12.	PP shall	Company had erected boundary pillars at the time of lease deed
	put	execution and got authentication of all boundary pillars co-
	boundary	ordinates through the DILR / State Govt. and provided in the
	pillars	approved mining plan for all three mining leases. Some pillars
	across all	have been dislodged/ removed by local people. Company will
	mining	put such boundary pillars again prior to commencement of mine
	leases.	so that they can be maintained.
13.	The project	
\	proponent	area and request letter to provide required certificate regarding
	needs to	no mining carried out by company or others has been submitted
	submit a	to the District Geologist, Department of Geology and Mining,
	letter from	Government of Gujarat, Bhavnagar vide letter dated:
	the	01.11.2023. In turn, the District Geologist, Bhavnagar has
	Departmen	submitted his report to the Commissioner of Geology & Mining,
	t of	Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024
	Geology &	to communicate the same to MoEF and copy endorsed to us. As
	Mining,	per his report, No case of Illegal mining of limestone mineral has
	Govt. of	been registered within the mining lease area against the
	Gujarat,	company M/s Nirma Limited or against any other individual or
	clarifying	entity.
	whether	Critity.
	any illegal	Copy of our submitted letter dated: 01.11.2023 and copy of
	,	
	mining	report of the District, Geologist, Geology & Mining Dep't,
	within the	

	mine lease	Bhavnagar dated 01.02.2024 has been submitted by the Project
	area has	Proponent.
	been	1 Toponent.
	carried out	
	or not and	
	whether	
	the same	
	has been	
	carried out	
	by M/s	
	Nirma	
	Limited or	
		C1.
4.4	not?	The size is a size of the size
14.	PP needs	The mine is captive mine to proposed cement plant at Padhiarka,
	to submit	Mahuva and High grade limestone to be used in company's own
	plan to	existing Soda Ash plant located as Kalatalav, Bhavnagar.
	transport	
	crushed	The cement plant is adjoining to the mine lease while the Soda
	limestone	ash plant is located around 100 km away and accessed through
	from all the	National Highway.
	three	
	leases to	Establishment of cement plant may take some time while the
	plant.	soda ash plant is already operational.
	plant.	Soda asti piarit is aiready operational.
		Hence, till the commencement of proposed cement plant,
		maximum 5% i.e. 450 TPD limestone will be transported to Soda
	6	
	0	ash plant located near Bhavnagar through dumpers @18 trips
	9,	per day. The trucks will pass through existing Dudhala - Amrutvel
1	2	village road of 7 m width (out of which 4 m is black topped) for
		around 1.0 km and meet National Highway no. 51, from where
	9/	the truck will move around 100 km.
15.	PP needs	Migratory birds are seen in Malan Bandhara as well as other
	to take	nearby Bandhara areas, which areas located at distance of 1.5
	some	km and 4.5 km from our mining lease area, respectively.
	measures	
	to keep the	Birds are also seen in low lying area, in which rain water
	migration	accumulates temporarily during monsoon. However, they are
	bird ponds	pre-dominantly resident water birds.
	un harmed	pro dominantly resident water birds.
		The company is committed to the measures prepared in the site
	and	The company is committed to the measures proposed in the site
	protected	specific wildlife conservation plan (summarised in point 7
	by activity	earlier), which include points related to protection of shallow
	of mining in	ponds, ecology and birds.
	future.	

		The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala will provide more area to birds. Also company will ensure that transportation will be carried out by maintaining safety distance from low lying areas.
16.	PP needs to install water treatment plant to reduce the hardness of water.	Drinking water is provided in every nearby villages through Narmada water pipeline by the State Govt. and drinking water requirements for mines shall also be fulfilled through Narmada water pipe line which is passing through nearby area. Hence, presently there is no proposal to use the hard ground water. However, if any requirement sought in future we will provide treatment plant.
17.	PP needs to explore possibility of deploying surface miners for mining.	Company has proposed mining with surface miner (50% quantity) in IBM approved mine plan and also in EIA report. Company explored use of Ripper dozer for cement plant use to eliminate drilling & blasting in the remaining 50% and committed the same in point no. 3, Specific Terms of Reference received from MOEF&CC vide Letter no. J-11015/154/2016-IA. II(M) dated November 28, 2022. For soda ash plant, we need sized limestone i.e. 25 mm to 100 mm, so surface miner cannot be deployed for limestone mining for Soda ash plant use. However, company will deploy rock breaker to avoid blasting during mining.

xviii. Details of the Environmental Management Plan (EMP):

Activities	Capital cost	Recurring cost
8/12	(Crores)	(Lakhs/annum)
Pollution Control	0.291	10.12
Pollution monitoring	0.016	3.88
Occupational health	0.014	0.95
Environmental Studies, etc.	0.10	_
Green belt		5.10
Reclamation	ı	10.03
Others (Environmental studies, Rehabilitation,	_	5.48
Realignment, Expert advice, fencing etc.		
Overheads	_	0.32
Total	0.421	35.87

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP +	1.19
capital cost of Public hearing)	
Project Cost	25
Employment (No.s)	84

3. Observation and Recommendation of EAC:

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Padhiarka and Doliya Limestone mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC **deferred** the proposal for the want of following information:-

- i. The Proponent shall submit No Objection Certificate from Ministry of Defence for consideration of the instant project.
- ii. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- iii. The Project Proponent needs to undertake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- iv. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- v. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- vi. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- vii. The Project Proponent needs to submit time line for acquiring land from the villegers.
- 1.4 Padhiarka and Doliya Limestone mine for mining of Limestone with production capacity of 1.5 MTPA in the mine lease area of 332.24 ha by M/s Nirma Limited located at Villages Padhiarka & Doliya, Tehsil Mahuva, District Bhavnagar, Gujarat Reconsideration for Environmental Clearance reg[Online Proposal No. IA/GJ/MIN/443206/2023, F.No. J-11015/154/2016-IA.II(M)][EIA Consultant: M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for Padhiarka and Doliya Limestone mine for mining of Limestone with production capacity of 1.5 MTPA in the

mine lease area of 332.24 ha by M/s Nirma Limited located at Villages Padhiarka & Doliya, Tehsil Mahuva, District Bhavnagar, Gujarat.

- **2.** The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meetingare given as under:
 - i. The mine lease area is located between Latitude 21°00'42.8152" N to 21°02' 9.7579" N and Longitude 71°40'10.0006"E to 71°41'9.9043"E. The mine lease area falls under the Survey of India Toposheet No: F42R12and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
 - iii. Details of Terms of Reference (ToR):

Date of	Proposal No/ File No	Consideration	Details of ToR	Date of
application		by EAC		accord
18.1 <mark>1.2022</mark>	IA/GJ/MIN/406830/2022	06.12.2022	Letter no. J-	6 th
	7 7	renta -	11015/153/2016-IA.II	February
7	Q / Agrain		(M)	, 2023

iv. Details of Mine Lease: -

S.No.	Prospecting	Date of the	Name of	Period	Granted by	Mine
	License/	grant	the	of		lease area
	Letter of	7 1	Mineral &	Grant		in Ha
	Intent (LoI)/	THE CO	(Major/	// 29		
	Grant of	4	Minor)	200		
	Mine lease	3,		STI	· // /	
	and Lr No		ects of She			20
1	MCR-	15.02.2008	Limestone	30	IMD,	1497.4701
	102004-		CGRE	years	Government	
	1943-CHH				of Gujarat	
2	MCR-	02.02.2011	Limestone	30	IMD,	1489.4701
	102004-			years	Government	
	1943-CHH	e-1	^a avmen'	rs \	of Gujarat	
3	MCR-	08.01.2017	Limestone	50	IMD,	681.62
	102004-			years	Government	
	1943-CHH				of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine
	Mine Lease deed	From	То	the	lease
	execution			Mineral	area in
					На
1	MCR-102004-1943-	11.01.2017	10.01.2067	Limestone	681.62
	CHH				

v. Land Use/Land Cover of the Mine Lease Area:

Private land	565.9454
Government land	115.6746
Forest land	-
Total Mining lease area (MLA), ha	681.62
Private land for crusher, workshop &	No any facilities outside the ML area. However
other infrastructure outside the MLA	crusher will be installed at company's Cement
	Plant.

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by	Letter No.	File No.: 684(4)(1)/MP- 348(197)/2021-22 GNR/1121	
Indian Bureau of Mines/DMG)	Date	04.08.2021	
	Mineral &	Major	
	(Major/Minor)		
	Mine Lease	681.62	
	Area, Ha		
	Validity	31.03.2026	
Mining Parameters	Quantitative Des	scription	
Method of Mining	Opencast mech	anized	
Drilling/Blasting	Multi-row drilling and V-pattern drill holes for deed hole drilling and blasting. Slurry explosive -casensitive and non-cap sensitive.		
Geological Reserves	57.280 Million tonne		
Mineable Reserves	20.574million tonne		
Breakup of Total Excavation	n Top soil- 0.57 mi.cum		
(Topsoil/OB/SB/IB/Mineral Rejects/	s/ OB/SB/IB/Mineral Rejects- Nil		
Waste, MTPA)	Waste-Nil		
Life of mine	11 years (Life of mine may be increased subject		
e-Pa	to conversions of into category of	of resources under 333 category reserves 111)	
Mine Bench Height & Bench Width	6.0 m, for work (conceptual) bei	king bench 12-15 m for closing	
No. of Mine Benches	2	эр мини	
Existing Depth, m bgl	New mine		
Ultimate Depth of Mining, m bgl	10 m		
Ground Water Table, m bgl	15.5 m (Post monsoon)		
Details of ground water intersection	No ground wa	ter will be encountered during	
		.e. in working plan in neither pre	

	pits. Ground water will also not intersect during
	mining at the end of mine life.
Individual bench slope	80-85°
Overall pit slope	~ 45°
Details of existing/ proposed	Proposed crusher will be installed at Cement
Crusher	Plant.
Mineral Beneficiation	-
RoM output size	-
Transportation details including	Internal haul road from mine face to crusher and
capacity of dumper/tipper, mode of	by conveyor from crusher to the Cement plant
transport and distance	adjacent to the mine lease.
KYC	For the Soda Ash Plant located at approx.100 km
2	at Kalatalav, Bhavnagar limestone will be
	transported in dumpers/ trucks through National
	Highway 51.
D	Internal haul road from mine face to crusher
	means of dumper/tippers of 25 tonnes capacity.
Generation of Topsoil/OB & its	Top soil at plan period- 249806 cu.m, temporary
Management during plan period &	stacking at one location
conceptual period	Top soil at conceptual period-321394 cu.m,
	simultaneously backfilling
Generation of Mineral Rejects/	Nil
Waste & its Management during plan	
period & conceptual period	
Additional information(if any)	Surface miner as well as ripper/dozer & rock
25	breaker will be used for mining to minimize drilling
Ofe	& blasting.

vii. Water requirement:

Total water requirement	44 KLD	Fresh water	3 KLD
170		Treated water	41 KLD
Source	 i. Fresh water sourd tanker. ii. Water harvested season. iii. Treated water sour &Reject water of Finant) 	within mine lea	ase during rainy of RO /DM plant
Permission for withdrawal/ intersection along with details of grant and its validity	pipeline has bee	n taken vid	e letter No.

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance &
		Directions
Village	Gujarda, Dudheri, Dudhala	0.2-0.5 km
	Madhiya Padhiarka	0.5 km, NW
		0.5 km, W
Town	Mahuva	4.0km, NE
Highway	NH-51 (Una-Mahuva highway)	Within
Interstate Boundary	Rajasthan	Approx.500 KM,N
Railway Station/Railway	Amrutvel	2.0km, N
line	1640	
Water Bodies	Arabian Sea Coast	0.5 km, S from the
		HTL
	Samdiyala Salinity ingress control	4.5 km, WSW
	bund	
	Malan Bandhara	1.5 km E
	Malan River	4.4 KM,E
	Bhambhali River	5.4 Km, W
\simeq	Garasawo River	0.9 KM,NE
Forest	RF near Patwa	2.8 KM,SW
	RF near Doliya	7.4 KM,E
	RF near Dudheri	0.6 KM,S
	RF near Gujarda	0.3 KM,S
	RF near Khared	2.1 KM,E

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	The Project Proponent has submitted the letter from the Office of the Principal Chief Conservator of Forests
National Park	No	vide Lr.No: WLP/32/C826-827/2021-
Wildlife Sanctuary	No	22 dated 13.01.2022 regarding the
Elephant/Tiger Reserve	No	map showing the location of protected
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	areas within 10km of the Limestone mining project and the and distance of protected areas and proposed Limestone mine. Protected areas Distance between

			Limestone
			mines and
		Cir. National	Protected areas
		Gir National Park	79.0 km
		Gir Wildlife	47.6 km
		Sanctuary	
		Mitiyala Wildlife	46.7 km
		Sanctuary	
			nent has submitted
-10			Office of the Deputy
KYC		Chief Conserva	,
			e letter no.
		A/GMN/T11/2075/2	
	1.		ng that the nearest
	TIN /		ding site is located
► '	-0-50	the mines.	out 70km away from
Coastal Regulation Zone (CRZ)	No		nent has submitted
Codstal regulation zone (Crez)	110	~ L/7 A.	ne Government of
//			Environment Dept
/ =			-2023-170-T dated
		The state of the s	that the proposed
			at Padhiarka &
2			(333.24 ha), District
3		Bhavnagar is outsi	de CRZ area.
Schedule-I species (No.s and	Yes		nent has submitted
name of schedule-I species with	-01511 3/14		list of flora and
authenticated letter)	CODES		fice of the Deputy
	C CKE.	Forest Conserva	
200		A/Jaman/Te.11/23	
			that there are three
e.	D+c		s such as Peafowl,
	rayment-	area.	tic lion in the study
		alea.	
		After the amendme	ent of the Wild Life
			dment Act, 2022,
			umber of additional
		species have b	een added into
		Schedulel such as	s Leopard, Striped
		hyaena, Jackal, E	Bengal fox, Indian
		1 ' '	cat, Grey wolf, Dog
		faced water snal	ke, Russell viper,

		Checkered Keelback, Indian Rat snake, Red sand boa and Naag/cobra. Peafowl, Chinkara and Asiatic lion & as per Wildlife ProtectionAmendment Act, 2022, schedule-I species have been updated in WLCP.
Wildlife Conservation Plan	Yes	On the basis of the fauna study findings & list of fauna authenticated by Forest Department, Wildlife Conservation Plan was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021. Rs. 19.9 lakh has been approved for the conservation of wildlife in the study area. As suggested by EAC &latest Wildlife Protection Amendment Act, 2022, budget allocation for WLCP has been increased from Rs.19.9 Lakh to Rs.65.9 Lakh for all 3 mines. The Wildlife Conservation Plan was approved by the Chief Wildlife Warden vide Lr.No: WLP/32/C670-
Same of the same o	orects of She v	672 dated 20.12.2021 with a budget of Rs. 19.9 Lakhs for the conservation of wildlife in the study area.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no.	30.00 Ha.
of saplings proposed	
Budget for green plant & plantation till the end of	90.95 Lakhs
life of mine.	
Budget for nursery	-
Details of existing plantation and its survival rate	-
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10.0
50 m safety zone of nallah, roads, electric lines	10.0

500 m safety zones of nearest habitation	-
villages	
Additional information (if any)	10.00 ha(Backfilled area (Govt.
	wasteland))

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro	geological study/ Traffic Study/ others)
Period of baseline data collection	01.03.2021 to 02.06.2021
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and results	16
Noise level (no. of locations) and results	16
Water Quality (no. of locations) and results	15
Soil Quality (no. of locations) and results	12
Hydro geological study and results	As per planned mining and Report of hydrogeological & hydrological studies of core and buffer zone of Gujarda, Dudheri & Dudhala limestone mine, the ground water table may get Intersected in post monsoon during 11th year at conceptual pit bottom level of +1.0 AMSL. However, conceptual pit bottom level will be kept above ground water level i.e. +4.0m AMSL to avoid intersecting ground water level.
Traffic study (no. of locations) and results	The traffic volume survey was conducted on Bhavnagar to Una Road (NH8E/51) Near Vangar Village. Total numbers of vehicles were found as 6793 per day and equivalent PCUs is 9382 per day. There will be daily movement of 480 numbers of dumpers (to & fro) per day or 1440 PCU/ day on the road.
	01 location & V/C = 31.27

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &
major national daily and one regional	Indian Express
vernacular daily newspaper)	

Date of PH	28.04.2023
Venue	At the premises of Nirma Cement Plant
	Area, NH 8E/51, Survey No. 80, Village:
	Padhiyarka, Taluka: Mahuva, Dist.
	Bhavnagar
Chaired by	District Collector & District Magistrate,
	Bhavnagar District & Regional Officer,
	GPCB Bhavnagar
Main issues raised during PH	Air pollution, salinity ingression, wildlife
	protection, acquisition of agriculture land
Budget proposed for addressing issues	Rs. 77 Lakhs
raised during PH over 3 years	

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity	
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upto 24/01/2028.	
Consent to Operate		
Certified Compliance Report and		
Inspection date		
Certified Production Details from	Fresh mine	
the inception of the mine (in		
tabular form against the EC		
capacity)		

xiv. Rehabilitation & Resettlement (R&R):

R & R details	The total mine lease area is 332.24 ha, out of
	which Govt. land is 133.0154 ha and Private land
170	is 199.2246 ha.Land will be required for quarrying
.6	an area of 100.61 ha of Private land and
	Government land including 08 houses/hutment in
e-pa	Padhiarka village and 27 houses/hutment in Doliya
	villages. The houses/hutment fall in the conceptual
	pits of the mine lease. There will be total of 683
	project affected land losers. There will be direct
	purchase or leasing of private land, with the willing
	consent of the private land owners. Approx. total
	compensation will be Rs 35.0 Lakhs. In addition to
	above, the registration cost of sale of the land and
	homesteads shall be borne by the Company.
	Assuming it to be 6% of theentire costs of sale, the

total resettlement budget works out to be Rs. 59.93
lakhs (6% of land value).

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related to
	environment and pollution matters in which the
	project proponent is a respondent.

xvi. Affidavit/Undertaking details:

AVI. 7 tilladvily offacitating actails.		
Affidavit as per Ministry's OM dated	The Project Proponent has submitted an	
30.05.2 <mark>018</mark>	undertaking by way of notarized Affidavit dated	
	09.10.2023 stating that the proposal does not	
	involve violation of Ministry's OM dated	
	30.05.2018.	
Undertaking by Project Proponent in	The Project Proponent has submitted an	
EIA/EMP report	undertaking vide letter dated 04.01.2023 stating	
	that the contents (information and data) as given	
/ 7/	by the Consultant in the EIA/EMP report are	
	factually correct with full knowledge of the	
	undersigned (Shri Ashish Desai).	
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre for	
EIA/EMP report	Envotech & Management Consultancy Pvt. Ltd)	
Show Show	has informed that the baseline data was generated	
	by MoEF &NABL Accredited Laboratory M/s Min	
Co	Mec R&D Laboratory, a division of Min Mec	
2/2	Consultancy Pvt. Ltd., New Delhi and the same	
3/2	has been verified and also confirmed that he shall	
C _e	be fully accountable for any misleading information	
	mentioned in this statement.	
Plagiarism Certificate	vments	

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S	Observation	Reply by Project Proponent
	of EAC in	
	the 21st	
	meeting	

N 0	held during 18-20th October, 2023	
1.	The site visit report of the subcommitt ee.	Site visit has been conducted by subcommittee on 22nd - 25th December, 2023.
2.	Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit No Objection Certificate from Ministry of Defense for consideratio n of the instant project.	Project Proponent has submitted a letter for issuance of NoC/Clearance from Ministry of Defence vide application dated 10.11.2023. We also have submitted letter to Department of Geology & Mining, Govt.of Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defense, Govt.of India vide application dated 07.12.2023. As per our understanding, there is no clarity or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our humble request is that issue the EC without condition of obtaining NOC from MoD.
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportati	The mine is captive mine to proposed cement plant at Mahuva and Highgrade limestone to be used in company's own existing Soda Ash plant located at Kalatalav, Bhavnagar as per permission accorded by the Govt. of Gujarat vide letter dated: 17.08.2023. The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

on of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).

Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational.

Hence, till the commencement of proposed cement plant, maximum 5% i.e. 450 TPD chemical grade limestone will be transported through dumpers @18 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar.

Company is very much keen to establish cement plant as early as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity.

We assure your kind authority that we will widen the black top of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening has been submitted to the MoEF&CC.

Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach M/s. Holtec Consultants for regulatory, commercial & technical feasibility for above stated OLBC.

4. The Project Proponent needs to explore the possibility of laying over bridge over the Highway and shall submit the permission from the National

Highways

Since, the National Highway is under construction, we have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near our cement plant entry point or any other option suggested by NHAI for transportation of raw material & finished product. Acknowledgment dated 23.10.2023 has been submitted.

Authority of India (NHAI). The Project Samdhiyala Salinity Ingress Control bund (Samdhiyala bund) 5. Proponent was constructed by Government of Gujarat in the year 2000 on needs to Motpet Creek to prevent sea water from coming towards landward side. On the landward side, rain water gets submit the accumulated as well. protection measures to be taken for salt Presently, the accumulated rain water of Samdhiyala bund is water being used during post monsoon by adjoining agriculture land intrusion owners and in other seasons they are extracting ground water and the through borewell. For agriculture land which is away from effectivenes Samdhiyala bund, farmers are extracting ground water through s of the borewell for agriculture due to which salinity & TDS are increasing salinity in ground water. ingress control bund. water management strategy, company's commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund. At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease. During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund. After exhaustion of mineral, voids left will act as natural water harvesting structures. Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.

Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation. In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund. The Project In this regard, following site specific mitigation measures will be 6. Proponent taken: needs to Arabian Sea is situated at distance of more than 0.5 km in the submit the south of the said mine lease and is clearly outside the CRZ area site specific which is certified by GCZMA. Letter dated 19.07.2023 has been mitigation issued to M/s Nirma ltd. from GCZMA. measures for There was only one probability of sea water coming to mine lease area which is through Motpet Creek. Samdhiyala Salinity ingress backwaters from bund has been constructed on Motpet Creek to restrict backwater Arabian coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea to come to Sea coming into the mine lease area. mine lease Hydrogeological monitoring network will be established by area. constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well. The Project The Indian Bureau of Mines, Govt. of India, Gandhinagar has 7. Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for needs to the period of 5 years i.e. up to 2025-26. revisit the As per approved Mining Plan, Removal of soil and its disposal plan for as below. backfilling Year: FY 2021-22 to FY 2025-26 with clearly indicating Removal of soil(cum):249806 the voids area and Means of disposal: *Temporary stacking at one location near Proposed Pit no.1. the capacity available/re quired for backfilling.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha): 6.20

Year: FY 2026-27 to FY 2031-32

Removal of soil(cum):321894

Means of disposal: *Temporary stacking at one location till 2026-27 and then, temporary stacked soil will be shifted for Backfilling.

Simultaneously Utilized for Back filling of shallow pits of around 4.0 m depth Proposed Pit No. 6.

Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 6) after five year mine plan period. A map has been submitted.

Area covered under stacking (ha):Nil

Total

Removal of soil(cum): 571200

Area covered under stacking (ha): nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period = 114.24 ha

Total soil removal envisaged till conceptual period = 0.57 million cum

(114.24 Ha *0.5 m avg. soil thickness)

Total backfilling area envisaged till conceptual period = 15.66 ha

Ultimate Dimensions of Pits at the end of conceptual period

Pit No.: 1

Pit Area covered (ha):49.56

Pit Top (m AMSL):20 to 14

Pit bottom (m AMSL): 10

Pit Depth in in m: 10 to 4

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 2

Pit Area covered (ha):12.78

Pit Top (m AMSL):13 to 11

Pit bottom (m AMSL): 8

Pit Depth in in m: 5 to 3

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 3

Pit Area covered (ha):14.40

Pit Top (m AMSL):13 to 11

Pit bottom (m AMSL): 6

Pit Depth in in m: 7 to 5

Pit Area covered by backfilling(ha): No backfilling proposal

Pit No.: 4

Pit Area covered (ha):17.51

Pit Top (m AMSL):17 to 12

Pit bottom (m AMSL):11 Pit Depth in in m: 6 to 1 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 5 Pit Area covered (ha):4.33 Pit Top (m AMSL):15 to 13 Pit bottom (m AMSL):6 Pit Depth in in m: 9 to 7 Pit Area covered by backfilling(ha): No backfilling proposal Pit No.: 6 Pit Area covered (ha):15.66 Pit Top (m AMSL):10.5 to 4 Pit bottom (m AMSL):4 Pit Depth in in m: 6.5 to 0 Pit Area covered by backfilling(ha): Backfilling of pit area of 15.66 Ha for entire depth - 570000 cu.m Total Pit Area covered (ha): 114.24 Pit Area covered by backfilling(ha): 15.66 Ha (570000cu.m) The Project 8. As advised, revised wildlife conservation plan incorporating the Proponent Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 has been submitted. needs to revise the activities proposed under the Wildlife Conservatio n Plan. The

Project Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act, 2022 shall also be included in the Wildlife Conservatio n Plan for their conservatio n. The EAC Type of land: Private 9. was of the Land rate, Rs. Lakh/ ha: 13.00 * view that Land requirement, ha: 100.22 the compensati Total Amount Rs. lakhs: 1302.86 on rate is very less and asked Type of land:Government the Project proponent Land rate, Rs. Lakh/ ha: On mining lease to revisit Land requirement, ha: 14.02 and justify the budget Total Amount Rs. lakhs: _ proposed for Resettleme Total nt & Land Rehabilitati on (R&R). requirement, ha: 114.24 The Project

Total Amount Rs. lakhs:1302.86 Proponent also needs to submit the action Total amount given considering as per DLC rate. However, land plan for will be procured/get consent for mining purpose on mutual land agreed market rates. acquisition and timeline. Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed market rates. Type of homestead:Pucca Rate, Rs. /sq.m.: 10000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Semi pucca Rate, Rs. /sq.m.: 5000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36 Type of homestead:Kutcha Rate, Rs. /sq.m.: 2000 Approx. Homestead area**, sq.m.:360 Total compensation, Rs. lakhs: 36

Total

Approx. Homestead area**, sq.m.: 360

Total compensation, Rs. lakhs: 36

Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

Sr. No: 1

Timeline for land requirement(present)

Sr. No.:1.1

Timeline for land requirement(present): purchased

Pvt. Land:49.49

Govt. land:0

Total: 49.49

Sr. No.:1.2

Timeline for land requirement(present): Consented

Pvt. Land:25.67

Govt. land:0

Total: 25.67

Sr. No.:1.3

Timeline for land requirement(present): Leased

Pvt. Land:0

Govt. land:115.67

Total: 115.67

Sr. No: 2

Timeline for land requirement(Future)

Sr. No.:2.1

Timeline for land requirement(present): 1st to 5th year mining

Pvt. Land: 54.21

Govt. land:0.02

Total: 54.23

Sr. No.:2.2

Timeline for land requirement(present):6th year to Conceptual stage -11th year

Pvt. Land: 102.70

Govt. land:14.04

Total: 116.74

Sr. No.:2.3

Timeline for land requirement(present):Minelife (up to lease period)

Pvt. Land: 565.94

Govt. land:115.67

Total: 681.62

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the

land before entry in pvt. land for starting mining activity in the mining lease area. The Indian Bureau of Mines, Govt. of India, Gandhinagar has The Project Proponent approved the Mining Plan vide its letter dated: 05.08.2021 for the needs to period of 5 years i.e. up to 2025-26. submit the action plan for year Looking towards the systematic exploration of the entire area, wise 182 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with exploration MEMC Rules 2015 and MCDR 2017 as per approved mining program. plan. The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 182 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval. Program of Future Exploration YEAR:2021-22 to 2025-26 No. of BH: PBH-1,3,10,12,14,16,28, 31,33,35,54,56,58,75,77 Grid Interval:400 m Total Meterage: Up to +1.0 MRL YEAR:2021-22 to 2025-26 No. of BH: PBH-37,41,43,61,66,79, 81,83,96,100,115,117,119,121,143,141,139,137,135,133,167,1 65,163,169,171,173,179,181

Grid Interval:400 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-2,4,5,6,7,8,9,11,13, 15,17,24,25,26

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-18,19,20,21,22,23, 27,29,30,32,34,36,38,39,40,42,44-55,57,59,60,62-65,67,71-74,76,93,94

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-68-70,82,84,78,80, 85-92,95,97-99,101-116, 118,120,122,123,124-127

Grid Interval:200 m

Total Meterage: _

YEAR:2021-22 to 2025-26

No. of BH:

PBH-128-132,134,136,138, 140,142,144,162,164,166,168,170,172,174-178,180,182

Grid Interval:200m or below

Total Meterage: _

YEAR:2021-22 to 2025-26 No. of BH: EP-1 & EP-2 size 3m*3m Grid Interval: Total Meterage: up to level +1.0mRL The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable. The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. The Project Permission accorded by the Govt. of Gujarat vide order dated: Proponent 17.08.2023 for utilization of Chemical Grade of Limestone for needs to non-cement purposes has been submitted. submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of Limestone for noncement purposes. The Project The company has not carried out any mining within the lease area Proponent much less any illegal mining in the lease area. There are old pits needs to pre-dating the allotment of the lease to the company, which were submit a received in legacy and shown in the present surface geological letter from plan. Request letter in this regard has been submitted to Department of Geology and Mining, Government of Gujarat on the

Department 03.11.2023. Acknowledgement of the same has been submitted of Geology by the Project Proponent. and Mining, Governmen t of Gujarat clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s. Nirma Limited or not? Site Visit Recommendation Reply by project proponent PP should Action plan and Timeline indicating the purchase /obtain surface submit an rights of land for mining for all three mining leases to initiate mining activities has been submitted by the Project Proponent. action plan and timeline to indicate the purchase of lands across all three mining leases wherein it has

proposed mining pits to initiate

mining activities since as on date PP has only purchased / obtained surface rights over 101.1967 Ha out of 1351.6489 of Private Agriculture Land. Since PP In said mine, survey has been conducted & one pit i.e. Pit No. 6 2 envisages (Pit area -15.66 Ha) will have shallow depth pit and will be to handover backfilled for entire depth of pits, looking to availably of soil for the land backfilling with shallow Pit no. 6 -15.66 Ha Pit area of avg. 3.25 m bgl for entire quarry depth. having depth upto Action plan for backfilling of shallow depth pits of depth up to 4.0 4m to m and handing over to farmers for agriculture has been landowners submitted by the Project Proponent. for farming and mostly all three mining leases are having agricultural land. PP is requested to conduct a survey to indicate the present status and number of low-lying areas, their

3	respective which may be backfilled with available capacity of top soil/overbur den and can be handed over to farmers for agricultural purpose. Project Proponent needs to provide year wise exploration plan for all the three	Exploration plan of said mining lease has been submitted by the Project Proponent.
	leases.	To Plant Story
4	Since, Bhavnagar falls under severely Polluted Area category, PP shall ensure that during initiation phase itself they should include the provision of permanent water	Chitra Industrial area (severely polluted area) in Bhavnagar city is located around 100 km away from our said mining lease area. On initial stage, company will engage water tanker with sprinkler arrangement to suppress the dust on haul road and company will make provision of permanent water sprinklers across the haul roads in all three mining leases.

sprinklers across the haul roads in all three mining leases. 5. Since. Company will ensure to maintain require safety measures & Bellur and distance from Bellur School & other schools as per DGMS norms other for all three mining leases during mining. schools are in close proximity to mine lease area, PP shall ensure that necessary safety measures are taken as per **DGMS** norms for all three mining leases. PP shall 6. The low lying area is where the rain water accumulates ensure to temporarily during monsoon. These are not notified as wetlands construct either under Ramsar Convention or by Central Govt. or State bunds near Govt. Hence, the identifications and provisions under Wetlands the existing (conservation and Management) Rules, 2017 do not apply in this case as per clause 3 of aforesaid Rules. low lying areas that Moreover, Padhiyarka and Doliya Limestone Mine lease area and has Gujarada, Dudheri & Dudhala limestone mine lease area are developed located at a distance of more than 500 m from High Tide Line of into wetland sea & also this area (between sea and low lying area in our to prevent mining lease area) have higher altitude, therefore, there is no the ingress chance of sea water ingress in mining lease area. of sea water However, company will construct bunds as and when required. Padhiyarka and Doliya Limestone

Mine lease area and Gujarada, Dudheri & Dudhala limestone mine lease area.

There is no Ramsar convention/ Central or State Government notified wetland in and nearby our mining lease area. The water bodies such as river channels and human-made water bodies (such as submergence areas of Samdhiyala Bandahara, Malan Bandhara) are excluded from the definition of wetlands as per Wetlands (Conservation and Management) Rules, 2017.

There are low lying areas, in which rain water accumulates temporarily during monsoon. Mining activity will contribute towards enlargening & deepening such areas in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala making a positive contribution to fresh water storage. The company does not intend to have any other use for these low lying areas.

As part of the integrated management plan for protection of water logged areas in and around the project, following steps shall be undertaken:

- Company will not do mining below 2 m AMSL in this low lying area so that there is no salinity ingress due to mining activity.
- Piezometer will be installed at designated locations to monitor changes in ground water level.
- Other allied activities such as transportation will be carried out by maintaining safety distance from this low lying area
- In this area of Gujarat, water logging due to rain water is a common phenomenon and resident water birds take advantage of such seasonal water logging to feed. Hence, company has proposed several measures as part of the wildlife conservation plan, with 3-year budget, as follows:
- Supporting 3 local NGOs for Conservation Awareness activities (Rs. 18 lakhs)

7. The project Proponent needs to submit the integrated manageme nt plan describing the strategies and actions for achieving wise use of the wetland and the plan shall include objectives of the site manageme nt, manageme nt actions

required to

achieve the objectives.

factors that

affects, or

may affect,

the various

features,

monitoring requirement

site

s for detecting changes in ecological character and for measuring the effectivenes s of manageme nt, and resources for manageme nt implementat ion.

- Provision for Rapid Rescue Vehicle for Wildlife (Rs. 10 lakhs)
- Assisting Plantation activities to be carried out by Forest Department, Bhavnagar (Rs. 1.5 lakhs)
- Nature/Eco-tourism guide & hospitality training 20 persons (Rs. 2.5 lakhs)
- Provision of equipments, camera, binoculars for efficient monitoring and eco-tourism promotion (Rs. 7.5 lakhs)
- Maintenance of shallow ponds/rainwater harvesting structures (Rs. 3 lakhs)
- Van Sahayak 1 nos. on contract basis (Rs. 3.6 lakhs)
- Public education and awareness programmes for the following - Avoiding plastic, Recycle and reuse, Reduce usage of pesticide and weedicide, Conservation of Wildlife, Garbage control (Rs. 3 lakhs)

Six-monthly third-party WLCP monitoring report preparation (Rs. 1.25 lakhs)

8. PP needs to engage and impart skill among the villagers and local population mainly the land losers and also submit a plan for their alternate livelihood arrangemen t since most of them will be losing their fertile

lands.

Company will not acquire any agriculture land through land acquisition by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates.

Land owners may purchase agriculture land in nearby area in the amount which is to be paid to them against their land and can continue their livelihood.

Company will give priority to engage land owners who have given land for mining purposes as per requirement of manpower for mines.

Also, company will arrange to impart training to build capacity for self-employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year).

9.	PP should widen the existing village roads before using it for transportati	On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use existing village road for transportation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 18 numbers of trips/day maximum in this mine.
	on in all three mining leases, wherever widening is not possible, PP shall submit an action plan for making alternate roads.	Company will widen the existing village road or make alternate road in all three mining leases on installation of cement plant. Section plan of the road widening has been submitted by the Project Proponent.
1 0	PP should engage wildlife experts/ avian experts for conservatio n of the avian fauna within and near its mine lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.
1	PP shall plant native fruit bearing plants across all the proposed	Native fruit bearing plants will be planted across all the proposed green patches.

	green patches.	
1 2	PP shall put boundary pillars across all mining leases.	Company had erected boundary pillars at the time of lease deed execution and got authentication of all boundary pillars coordinates through the DILR / State Govt. and provided in the approved mining plan for all three mining leases. Some pillars have been dislodged/ removed by local people. Company will put such boundary pillars again prior to commencement of mine so that they can be maintained.
1 3	The project proponent needs to submit a letter from the Department of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?	The company has not carried out any illegal mining in the lease area and request letter to provide required certificate regarding no mining carried out by company or others has been submitted to the District Geologist, Department of Geology and Mining, Government of Gujarat, Bhavnagar vide letter dated: 01.11.2023. In turn, the District Geologist, Bhavnagar has submitted his report to the Commissioner of Geology & Mining, Govt. of Gujarat, Gandhinagar vide its letter dated: 01.02.2024 to communicate the same to MoEF and copy endorsed to us. As per his report, No case of Illegal mining of limestone mineral has been registered within the mining lease area against the company M/s Nirma Limited or against any other individual or entity. Copy of our submitted letter dated: 01.11.2023 and copy of report of the District, Geologist, Geology & Mining Dep't, Bhavnagar dated 01.02.2024 has been submitted by the Project Proponent.
1 4	PP needs to submit plan to transport crushed	The mine is captive mine to proposed cement plant at Padhiarka, Mahuva and High grade limestone to be used in company's own existing Soda Ash plant located as Kalatalav, Bhavnagar.

	limestone from all the three leases	The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.
	to plant.	Establishment of cement plant may take some time while the soda ash plant is already operational.
		Hence, till the commencement of proposed cement plant, maximum 5% i.e. 450 TPD limestone will be transported to Soda ash plant located near Bhavnagar through dumpers @18 trips per day. The trucks will pass through existing Dudhala - Amrutvel village road of 7 m width (out of which 4 m is black topped) for around 1.0 km and meet National Highway no. 51, from where the truck will move around 100 km.
1 5	PP needs to take some measures	Migratory birds are seen in Malan Bandhara as well as other nearby Bandhara areas, which areas located at distance of 1.5 km and 4.5 km from our mining lease area, respectively.
/	to keep the migration bird ponds un harmed	Birds are also seen in low lying area, in which rain water accumulates temporarily during monsoon. However, they are pre-dominantly resident water birds.
	and protected by activity of mining in	The company is committed to the measures proposed in the site specific wildlife conservation plan (summarised in point 7 earlier), which include points related to protection of shallow ponds, ecology and birds.
	future.	The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit no. 2 & 3 of Padhiaryka & Doliya Mine and pit no. 5 & 6 of Gujarda, Dudheri & Dudhala will provide more area to birds. Also company will ensure that transportation will be carried out by maintaining safety distance from low lying areas.
1 6	PP needs to install water treatment plant to reduce the hardness of water.	Drinking water is provided in every nearby villages through Narmada water pipeline by the State Govt. and drinking water requirements for mines shall also be fulfilled through Narmada water pipe line which is passing through nearby area. Hence, presently there is no proposal to use the hard ground water. However, if any requirement sought in future we will provide treatment plant.
1 7	PP needs to explore possibility of deploying surface	Company has proposed mining with surface miner (50% quantity) in IBM approved mine plan and also in EIA report. Company explored use of Ripper dozer for cement plant use to eliminate drilling & blasting in the remaining 50% and committed the same in point no. 3, Specific Terms of Reference received from

miners for	MOEF&CC vide Letter no. J-11015/154/2016-IA. II(M) dated
mining.	November 28, 2022.
	For soda ash plant, we need sized limestone i.e. 25 mm to 100 mm, so surface miner cannot be deployed for limestone mining for Soda ash plant use. However, company will deploy rock breaker to avoid blasting during mining.

xi. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Crores)	Recurring cost
		(Lakhs/annum)
Pollution Control	0.291	10.12
Pollution monitoring	0.016	3.88
Occupational health	0.014	0.95
Environmental Studies, etc.	0.10	_
Green belt	V E	5.10
Reclamation	C	10.03
Others (Environmental studies,	হটোল চন ক	5.48
Rehabilitation, Realignment, Expert		
advice, fencing etc.		
Overheads	100 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0.32
Total	0.421	35.87

xii. Details of project cost and employment:

Particulars	(Rs. In Crore)	
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	1.19	
Project Cost	25	
Employment (No.s)	84	

3. Observation and Recommendation of the EAC

The EAC deliberated the instant proposal along with Vangar & Madhiya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21stEAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC **deferred** the proposal for the want of following information:-

- I. The Proponent shall submitNo Objection Certificate from Ministry of Defence for consideration of the instant project.
- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.

- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- VII. The Project Proponent needs to submit time line for acquiring land from the villegers.
- 1.5 Vangar & Madhiya Limestone Mine for mining of Limestone with production capacity of 1.6 MTPA in the mine lease area of 612.1336 ha by M/s Nirma Limited located at Villages Vangar & Madhiya, Tehsil Mahuva, District Bhavnagar (Gujarat) Reconsideration for Environmental Clearance reg[Online Proposal No: IA/GJ/MIN/443498/2023; F.No: J-11015/152/2016-IA.II(M)][EIA Consultant M/s Centre for Envotech and Management Consultancy Pvt. Ltd]

The proposal is for Environmental Clearance for mining of Limestone in Vangar & Madhiya Limestone Mine of M/s Limited for mining of Limestone with production capacity of 1.6 MTPA in the mine lease area of 612.1336 ha, located at Villages Vangar & Madhiya, Tehsil Mahuva, District Bhavnagar (Gujarat).

- 2. The details of the project as ascertained from the document submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. The mine lease area is located between Latitude 21°01'44.54" to 21° 03' 40.04" N and Longitude 71°39'18.3"E to 71°41'05"E. The mine lease area falls under the Survey of India Toposheet No: 41 O/12 (restricted)and falls in Seismic Zone-III.
 - ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
 - iii. Details of Terms of Reference (ToR):

Date of	Proposal No/ File No	Consideratio	Details of ToR	Date of
application		n by EAC		accord
18.11.202	IA/GJ/MIN/403568/202	06.12.2022	Letter no. J-	23 rd
2	2		11015/152/2016	December
			-IA.II (M)	, 2022

iv. Details of Mine Lease in chronological manner:

S.no	Prospecting	Date of the	Name of	Period	Granted by	Mine
	License/	grant	the	of Grant		lease area
	Letter of		Mineral &			in Ha
	Intent (LoI)/		(Major/			
	Grant of		Minor)			
	Mine lease					
	and Lr No					
1	MCR-	15.02.2008	Limestone	30 years	IMD,	1225.8553
	102004-				Government	
	1827-CHH	UYC			of Gujarat	
2	MCR-	08.01.2017	Limestone	50 years	IMD,	612.1336
	10 <mark>2004</mark> -				Government	
	1827-CHH				of Gujarat	

S. No	Details of grant of	Period of Grant		Name of	Mine	
	Mine Lease deed	From	То	the	lease	
	execution	108		Mineral	area	in
		9	1.37		Ha	
1	MCR-102004-	1 <mark>1.01.2</mark> 017	10.01.2067	Limestone	612.13	336
	1827-CHH				Š	

v. Land Use/Land Cover of the Mine Lease Area:

Private land	586.4789
Government land	25.6547
Forest land	C COEEN S
Total Mining lease area (MLA), ha	612.1336
Private land for crusher, workshop	No any facilities outside the ML area. However
& other infrastructure outside the	crusher will be installed at company's Cement
MLA	Plant.
Additional information (if any)	ayments

vi. Mining plan details:

Mining	Plan	including	Letter No.	File No.: 684(4)(1)/MP-
Progressive Mine Closure Plan				347(196)/2021-22
(approved by Indian Bureau of				GNR/1125
Mines/DM	G)		Date	05.08.2021
		Mineral &	Major	
			(Major/Minor)	

Ha Validity Validity 31.03.2026 Mining Parameters Quantitative Description Method of Mining Opencast mechanized Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl New mine		Mine Lease Area,	612.1336
Mining Parameters Method of Mining Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves Mineable Reserves Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (Conceptual) bench Optimum No. of Mine Benches Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl Multi-row drilling and V-pattern drill holes for deep hole drilling and V-pattern drill holes for deep hole and V-pattern drill holes for deep hole drilling and blasting. Slury explosive cap sensitive.		•	
Method of Mining Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves Mineable Reserves Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA) Life of mine Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive. Top soil-one million cum OB/SB/IB/Mineral Rejects-Nil Waste-Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl Number of Mining Mine Milling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive-cap sensitive.		Validity	31.03.2026
Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Rejects/ Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl No. of Mine Bench Mining, m bgl No. of Mine Benches 2 No. of Mine Benches 2 No. of Mine Benches 10 m	Mining Parameters	Quantitative Descrip	otion
Drilling/Blasting Multi-row drilling and V-pattern drill holes for deep hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Rejects/ Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl New mine Ultimate Depth of Mining, m bgl No. of Mine Bench Mining, m bgl No. of Mine Benches 2 No. of Mine Benches 2 No. of Mine Benches 10 m		Opencast mechaniz	ed
hole drilling and blasting. Slurry explosive- cap sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Drilling/Blasting	Multi-row drilling and	d V-pattern drill holes for deep
sensitive and non-cap sensitive. Geological Reserves 35.539 Million tonne Mineable Reserves 14.913 million tonnes Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA) OB/SB/IB/Mineral Rejects- Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m		,	
Geological Reserves Mineable Reserves Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste-Nil Life of mine Mine Bench Height & Bench Width No. of Mine Benches Existing Depth, m bgl Mineable Reserves 14.913 million tonnes 14.913 million tonnes Top soil- 0.99 million cum OB/SB/IB/Mineral Rejects- Nil Waste-Nil Waste-Nil 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m		_	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects- Nil Vaste-Nil Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench Width No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl Top soil- 0.99 million cum OB/SB/IB/Mineral Rejects- Nil Waste-Nil 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) 6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m	Geological Reserves		·
(Topsoil/OB/SB/IB/Mineral Rejects- Nil Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m	Mineable Reserves	14.913 million tonne	es
Rejects/ Waste, MTPA) Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m	Breakup of Total Excavation	Top soil- 0.99 million	n cum
Life of mine 13 years (Life of mine may be increased subject to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m	(Topsoil/OB/SB/IB/Mineral	OB/SB/IB/Mineral R	ejects- Nil
to conversions of resources under 333 category into category of reserves 111) Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Rejects/ Waste, MTPA)	Waste-Nil	1
into category of reserves 111) Mine Bench Height & Bench (6.0 m, for working bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Life of mine	13 years (Life of mir	ne may be increased subject
Mine Bench Height & Bench (conceptual) bench 12-15 m for closing (conceptual) bench Optimum No. of Mine Benches Existing Depth, m bgl Ultimate Depth of Mining, m bgl 10 m		to conversions of re	sources under 333 category
Width (conceptual) bench Optimum No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m		into category of rese	erves 111)
No. of Mine Benches 2 Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Min <mark>e Bench Heig</mark> ht & Bench	6.0 m, for working	bench 12-15 m for closing
Existing Depth, m bgl New mine Ultimate Depth of Mining, m bgl 10 m	Width		Optimum
Ultimate Depth of Mining, m bgl 10 m	No. of Mine Benches		
		New mine	
Cround Motor Toble we had			55
	Ground Water Table, m bgl	15 m (Post monsoon)	
Details of ground water No ground water will be encountered during			
	intersection	planning stage i.e. in 5 years of working plan in	
neither pre monsoon nor post monsoon season in	\ o \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
any of the pits. Ground water will also not intersect		734 4 49	
during mining at the end of mine life. However, the	O. The second		
ground water table may get touched in post			
monsoon in pit no. 4 & 5 when the proposed		- 01/-	
conceptual pit bottom level of +1.0 m AMSL is achieved. To avoid any accidental intersection of	170		
ground water table, the Company has now	- 0		
decided to restrict mining depth to +2.0 m AMSL			
in pit no. 4 & 5.			ining deput to 12.0 m / ivide
Individual bench slope 80-85°	Individual bench slope		
Overall pit slope ~ 45°	·		
Details of existing/ proposed Proposed crusher will be installed at Cement		-	will be installed at Cement
Crusher Plant.	l	•	
Mineral Beneficiation -	Mineral Beneficiation	-	
RoM output size -	RoM output size	-	
Transportation details including Internal haul road from mine face to crusher and	-	Internal haul road fr	rom mine face to crusher and
capacity of dumper/tipper, by conveyor from crusher to the Cement plant	capacity of dumper/tipper,	by conveyor from	crusher to the Cement plant
mode of transport and distance adjacent to the mine lease.	mode of transport and distance		

	<u> </u>	
	For the Soda Ash Plant located at approx.100 km	
	at Kalatalav, Bhavnagar limestone will be	
	transported in dumpers/ trucks through National	
	Highway 51.	
	Internal haul road from mine face to crusher	
	means of dumper/tippers of 25 tonnes capacity.	
Generation of Topsoil/OB & its	Top soil at 1 st plan period- 150000 cu.m,	
Management during plan	temporary stacking at one location	
period & conceptual period	Top soil at 2 nd plan period- 840000 cu.m,	
	temporary stacking at one location	
	Top soil at conceptual period-380000 cu.m,	
VYC	simultaneously backfilling	
Generation of Mineral Rejects/	Nil	
Waste & its Management		
during plan period & conceptual		
period		
Additional information(if any)	Surface miner as well as ripper/dozer & rock	
	breaker will be used for mining to minimize drilling	
8 / 2 / 2	& blasting.	

vii. Water requirement:

Total water requirement	42 KLD	Fresh water	3 KLD
		Treated water	39 KLD
Source	i. Fresh water pipeline/Water ta		armada water
8	ii. Water harvested season.	d within mine lea	ase during rainy
	iii. Treated water s		rater of RO /DM ant (proposed at
2/2	Cement plant)	itor or ito /Bivi pi	ан (ргорозса ат
Permission for withdrawal/	Permission for water	withdrawal from	Narmada water
intersection along with	pipeline has bee	<mark>n</mark> taken vid	e letter No.
details of grant and its validity	GWIL/Bhavnagar/Ind.	conn./1257 date	d 4.06.2008.

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Vangar	0.25 km, NW
	Madhiya	0.25 km, SE
Town	Mahuva	6.2km, ENE
Highway	NH-51 (Una-Mahuva	Within
	highway)	

Interstate Boundary	Rajasthan	Approx.500 KM,N
Railway Station/Railway	Amrutvel	2.0 km, N
line		
Water Bodies	Arabian Sea Coast	3.4 km S to the HTL
	Samdiyala Salinity ingress	2.3 km, SSW
	control bund	
	Bhambhali River	0.9 Km, W
	Malan River	7.4 KM,E
	Malan Bandhara	5.4 KM,SE
	Garasawo River	2.5 Km,NE
Forest	RF near Patwa	2.1 KM,S
	RF near Doliya	3.3 KM,SSE
	RF near Dudheri	3.9 KM,SE
	RF near Gujarda	4.3 KM,SE
	RF near Khared	6.3 KM,SE

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/	Yes/No	Details of Certificate/letter issued
Environmental Sensitivity	33	by the concerned Department
Zone		mentioning the Lr no, date of grant
/4	145	and remarks
Forest Land within the mine		The Project Proponent has
lease area and (if yes) status	No	submitted the letter from the Office
of Forest Clearance		of the Principal Chief Conservator
1		of Forests vide Lr.No:
		WLP/32/C826-827/2021-22 dated
	"Ofects of SV	13.01.2022 regarding the map
		showing the location of protected
	PCCDI	areas within 10km of the Limestone
	CK	mining project and the and distance
200		of protected areas and proposed
		Limestone mine.
). D.	Protected Distance
	raymer	areas between
National Park	No	Limestone
Wildlife Sanctuary	No	mines and
Elephant/Tiger Reserve	No	Protected
Eco-Sensitive Zone(ESZ)	No	areas
/Eco-Sensitive Area (ESA)		Gir National 76.0 km
		Park
		Gir Wildlife 44.2 km
		Sanctuary

Coastal Regulation Zone	Yes	Mitiyala Wildlife Sanctuary The Project Proponent has submitted the letter from the Office of the Deputy Chief Conservator of Forest, Bhavnagar vide letter no. A/GMN/T11/2075/22-23 dated 27.01.2023 certifying that the nearest turtle rearing/breeding site is located at a distance of about 70km away from the mines. Arabian Sea Coast: 3.4 km S to the
(CRZ)	l V	HTL The proposed project lies beyond distance of 0.5 km from High Tide Line of Arabian Sea Coast. The CRZ map has been prepared by Institute of Remote Sensing, Anna University, Chennai. ML area outside CRZ- GCZMA letter no.ENV-10-2023-170-T dated 19.07.2023
Schedule-I species (Nos. and name of schedule-I species with authenticated letter)	Yes Construction Payment	As per WLCP approved on 20.12.2021 (3 nos.): Peafowl, Chinkara and Asiatic lion Additional as per WPA amendment of 2022 (9 nos.): Indian Leopard, Striped Hyena, Jungle Cat, Indian Fox, Jackal, Indian Grey Mongoose, Indian Porcupine, Indian Grey Wolf, and Eurasian Spoonbill The above have been updated in WLCP.
Wildlife Conservation Plan	Yes	On the basis of the fauna study findings & list of fauna authenticated by Forest Department, Wildlife Conservation Plan (WLCP) was prepared and submitted for approval. The said Wildlife Conservation Plan had been approved by the Forest Department on 20.12.2021. Rs.

19.9 lakh had been approved for the conservation of wildlife in the study area.
The WLCP has been updated w.r.t. Schedule-I species as per WPA amendment of 2022 and budget allocation has been increased to Rs.65.9 Lakh for all 3 mines.

x. Green belt/plantation details:

Proposed area for green belt/plantation and	26.50 Ha.
no. of saplings proposed	Ar.
Budget for green plant & plantation till the end	80.35 Lakhs
of life of mine.	
Budge <mark>t for nursery</mark>	-E
Details of existing plantation and its survival	-0
rate	
No. of tree cuts in the mine lease area and	As per actual during mining
compensatory afforestation	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	16.50
50 m safety zone of nallah, roads, electric	10.00
lines	
500 m safety zones of nearest habitation	-// 5
villages	

"brects if She is

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / others)	Hydro geological study/ Traffic Study/
Period of baseline data collection	01.03.2021 to 02.06.2021
Season (Summer / Pre-monsoon / Post-	Summer
monsoon / Winter)	
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and	16
results	Core zone (1 no.) - PM10 from 40.8 to 68.8 μ g/m³, PM2.5 from 21.7 to 37.4 μ g/m³, SO ₂ from 4.8 to 7.7 μ g/m³ and NO ₂ from 4.9 to 10.5 μ g/m³. Buffer zone (15 nos.) : PM10 from 27.6 to 71.7 μ g/m³, PM2.5 from 11.2 to 40.0 μ g/m³, SO ₂ from 2.7 to 10.2

	μg/m ³ and NO ₂ from 3.6 to 14.5
	µg/m ³ .
Noise level (no. of locations) and results	16
	Core zone: 48.95 dB(A) during day time and 41.42 dB(A) during night
	time
	Buffer zone : Between 47.57 dB(A) to
	52.46 dB(A) during day time and
	39.42 dB(A) to 42.89 dB(A) during
	night time.
Water Quality (no. of locations) and results	15 (12 ground water and 3 surface)
1670	water sampling stations were
e.	monitored within the study area. All
	the parameters of ground water were
T	well within the permissible limits as
	per IS 10500: 2012. The surface
	water quality in all samples was
्र प्राप्त कर कर कर के कि का कर	found B to below E class. The result
	indicates that the maximum and
~ //	minimum values of DO ranges
	between 5.8 to 6.3 mg/l, hardness
	ranged between 360 - 8300 mg/l in
	surface water.
Soil Quality (no. of locations) and results	12
3	pH ranges between 7.7 - 8.2,
25	Potassium ranges from 157.0 - 845.0
Otects of S	kg/ha and Nitrogen ranges from 0.01
Hydro geological study and results	- 12.57 mg/kg As per planned mining and Report of
Hydro geological study and results	hydrogeological & hydrological
	studies of core and buffer zone of
² Co	Vangar & Madhiya limestone mine,
	the groundwater table may get
G-Dayuna	touched in post - monsoon in pit no.
rayme	4 & 5 when the proposed conceptual
	pit bottom level of +1.0 m AMSL is
	achieved. To avoid any accidental
	intersection of ground water table,
	the Company has now decided to
	restrict mining depth to +2.0 m AMSL
	in pit no. 4 & 5.
Traffic study (no. of locations) and results	The traffic volume survey was
staay (s. or locationly and rocatio	conducted on Bhavnagar to Una
	Road (NH8E/51) Near Vangar

Village. Total numbers of vehicles
were found as 6793 per day and
equivalent PCUs is 9382 per
day.There will be daily movement of
512 numbers of dumpers (to & fro) per
day or 1536 PCU/ day on the road.
01 location & V/C = 31.27

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of	26.03.2023 in Sandesh Newspaper &		
major national daily and one regional	Indian Express		
vernacular daily newspaper)	CAR.		
Date of PH	28.04.2023		
Venue	At the premises of Nirma Cement Plant		
0	Area, NH 8E/51, Survey No. 80, Village:		
	Padhiyarka, Ta <mark>luka</mark> : Mahuva, Dist.		
a Re	Bhavnagar		
Chaired by	District Collector & District Magistrate,		
	Bhavnagar District & Regional Officer,		
	GPCB Bhavnagar		
Main issues raised during PH	Air pollution, salinity ingression, wildlife		
	protection, acquisition of agriculture land		
Budget proposed for addressing issues	34 Lakhs		
raised during PH over 3 years			
Additional information (if any)			

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	GPCB CTE granted vide dated 25/01/2021 & valid upto 24/01/2028.
Consent to Operate	Payments
Certified Compliance Report	-
and Inspection date	
Certified Production Details	Fresh mine
from the inception of the mine	
(in tabular form against the EC	
capacity)	

xiv. Rehabilitation & Resettlement (R&R):

R & R details	For private land, company has obtained surface
	rights for mining by purchasing land/consent in
	some of the land & for remaining land, company
	is in process to procure ownership or surface
	right for mining on mutually agreed commercial
	terms. Rs. 2466.88 lakhs cost envisaged for
	land (189.76 ha) and Rs. 48 lakhs approx. for
	homestead.

xv. Court case details:

Court Case, No and its present	The Project Proponent has submitted an
status	undertaking vide letter dated 07.10.2023 stating
Undertaking by Project Proponent	that there is no litigation on the project either at
w.r.t court case	NGT or any other court of law related
	toenvironment and pollution matters in which
	the project proponent is a respondent.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM	The Project Proponent has submitted an		
dated 30.05.2018	undertaking by way of notarized Affidavit dated		
	09.10.2023 stating that the proposal does not		
	involve violation of Ministry's OM dated		
	30.05.2018.		
Undertaking by Project Proponent	The Project Proponent has submitted an		
in EIA/EMP report	undertaking vide letter dated 04.01.2023 stating		
	that the contents (information and data) as		
30	given by the Consultant in the EIA/EMP report		
	are factually correct with full knowledge of the		
3. Co	undersigned (Shri Ashish Desai)		
Undertaking by Consultant in	The Director of the EIA Consultant (M/s Centre		
EIA/EMP report	for Envotech & Management Consultancy Pvt.		
	Ltd) has informed that the baseline data was		
	generated by MoEF &NABL Accredited		
e-I	Laboratory M/s Min Mec R&D Laboratory, a		
	division of Min Mec Consultancy Pvt. Ltd., New		
	Delhi and the same has been verified and also		
	confirmed that he shall be fully accountable for		
	any misleading information mentioned in this		
	statement.		
Plagiarism Certificate			

xvii. Earlier the Proposal was considered in the 21st EAC meeting held during 18-20th October, 2024 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S. No	Observation of EAC in the 21 st meeting held during 18-20 th October, 2023	Reply by Project Proponent	
1.	The site visit report of the subcommittee.	Site visit has been conducted by subcommittee on 22nd -25th December, 2023.	
2.	Since the mine site is located within 20 km from seaboard frontier, the Project Proponent shall submit. No Objection	We have submitted letter via registered post to Ministry of Defense, New Delhi, Govt.of India for issuance of NOC in this regard. Copy of the same is attached on Parivesh Portal.	
	Certificate from Ministry of Defense for consideration of the instant project.	 We also have submitted letter to Department of Geology & Mining, Govt.of Gujarat, Bhavnagar for recommendation to issue NOC to Ministry of Defense, Govt.of India. Copy of the same is attached on Parivesh Portal. 	
		 As per our understanding, there is no clarity or guideline in respect of process to be followed to obtain NoC of Ministry of Defense(MoD), therefore, our humble request is that issue the EC without condition of obtaining NOC from MoD. 	
3.	The Project Proponent needs to submit the action for laying common Over Land Belt Conveyor (OLBC) for transportation of mineral from mine lease area to the Cement Plant. The Project Proponent also needs to submit the action plan for expansion	 The mine is captive mine to proposed cement plant at Mahuva and Highgrade limestone to be used in company's own existing Soda Ash plant located at Kalatalav, Bhavnagar as per permission accorded by the Govt. of Gujarat vide letter dated: 17.08.2023. (Copy attached on Parivesh Portal). The cement plant is adjoining to the mine lease while the Soda ash plant is located 	
	of road with a width of 7m and by passing the village road till the commission of the Over Land Belt Conveyor (OLBC).	 around 100 km away and accessed through National Highway Establishment of cement plant may take some time as the appeal is pending before Hon'ble Supreme Court while the soda ash plant is already operational. 	

Hence, till the commencement of proposed cement plant, maximum 5% i.e. 265 TPD chemical grade limestone will be transported through dumpers @11 trips per day via existing village road of 7 m (out of which 4 m is black topped) to National Highway and ultimately Soda Ash plant at Bhavnagar. Company is very much keen to establish cement plant as early as possible & will produce & consume required limestone for cement manufacturing on its highest rated capacity. We assure your kind authority that we will widen the black top of the existing village road from mines to National Highway prior to commencement of Proposed Cement Plant. Section plan of proposed road black top widening is attached on Parivesh Portal. Also, as discussed during the EAC meeting, we will explore the possibility of Over Land Belt Conveyor (OLBC) on either side of the highway based on the technical possibility & feasibility by reputed consultant. We are going to approach Consultants M/s. Holtec regulatory, commercial & technical feasibility for above stated OLBC. 4. The Project Proponent Since, the National Highway is under needs to explore the construction, we have submitted letter to possibility of laying over National Highway Authorities of India(NHAI) bridge over the Highway regarding grant of permission to provide and shall submit the Underpass near our cement plant entry point or any other option suggested by NHAI for permission from the Highways transportation of raw material & finished National Authority of India (NHAI). product. Acknowledgment of the same is attached herewith on Parivesh Portal. 5. Project Proponent The Samdhiyala Salinity Ingress Control bund needs submit (Samdhiyala bund) was constructed by to the protection measures to be Government of Gujarat in the year 2000 on taken for salt water Motpet Creek to prevent sea water from intrusion and the coming towards landward side. On the effectiveness of the salinity landward side, rain water gets accumulated ingress control bund. as well.

- Presently, the accumulated rain water of Samdhiyala bund is being used during post monsoon by adjoining agriculture land owners and in other seasons they are extracting ground water through borewell. For agriculture land which is away from Samdhiyala bund, farmers are extracting ground water through borewell for agriculture due to which salinity & TDS are increasing in ground water.
- As per company's water management strategy, after commencement of cement plant, company will undertake deepening of 100 ha surrendered land out of our total allotted plant land and also pledged to construct garland drains around the proposed plant area which will improve the overall fresh water storage capacity of Samdhiyala bund on landward side. Regular desiltation of canal will improve water retention capacity of Samdhiyala bund.
- At the time of mining, bottom level of conceptual pit will be kept above ground water level to avoid intersection.
- Hydrogeological monitoring network will be established by constructing piezometers in and around the lease.
- During mining, present hydrological system will keep intact by constructing garland drain around the pits to maintain present hydraulic gradient towards the Samdhiyala Bund.
- After exhaustion of mineral, voids left will act as natural water harvesting structures.
 Collected rain water will stand and gradually percolate into the sub surface water & in long term improve the quality of ground water.
- Positive pressure of fresh water on landward side will be created, which will aid in pushing back the saline front, which may be at a lower elevation.
- In view of the above, due to mining there is no possibility of salt water intrusion in the area & effectiveness of the salinity ingress control bund as well as hydrogeological

		system of bund will not be disturbed & infact will significantly improve the effectiveness of salinity ingress control bund.
6.	The Project Proponent needs to submit the site specific mitigation measures for backwaters from Arabian Sea coming into the mine lease area.	 In this regard, following site specific mitigation measures will be taken: Arabian sea is situated at a distance of 3.8 km in the south of the said mine lease & it is outside of CRZ area. There was only one probability of sea water coming to mine lease area which is through Motpet Creek. Samdhiyala Salinity ingress bund has been constructed on Motpet Creek to restrict backwater coming from Arabian sea towards landward side. Therefore, there is no possibility of backwater from Arabian sea to come to mine lease area. Hydrogeological monitoring network will be established by constructing piezometers in and around the lease to monitor the water level & water salinity. Positive pressure of fresh water on landward site will be created due to water storage in mine pits, which will aid in pushing back the saline front as well.
7.		eds to revisit the plan for backfilling with clearly and the capacity available/required for backfilling.

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

As per approved Mining Plan, Removal of soil and its disposal as below.

Mine plan period	Removal of soil (mio. cum)	Means of disposal	Area covered under stacking (ha)
FY 2021-22 to FY 2025- 26		Temporary stacking at one location near Proposed Pit no.1. Then, temporary stacked soil will be shifted for Backfilling of shallow pits of around 4.0 m depth (Proposed Pit No. 4 & 5) after five year mine plan period. (As demonstrated in map attached on Parivesh Portal).	4.63
FY 2026-27 to FY 2030-31	0.84	No stacking proposal is envisaged as simultaneously backfilled material will be utilized for shallow	nil
FY 2031-32 to FY 2033-34 (conceptual stage)	0.38	pits of around 4.0 m depth Proposed Pit No. 4 & 5) (As demonstrated in map attached on Parivesh Portal).	nil
Total	1.37	'A COP	nil

Looking towards availability of topsoil, backfilling of part area is envisaged.

Total voids area envisaged till conceptual period

= 197.00ha

 Total soil removal envisaged till conceptual period (197 Ha *0.7m avg. soil thickness)

= 1.37 million cum

Total backfilling area envisaged till conceptual period

= 36.36 ha

Ultimate Dimensions of Pits at the end of mine life

Pit	Pit Area	Pit Top	Pit	Pit	Pit Area covered by
No.	covered	(m	bottom	Depth	backfilling
	(ha)	AMSL)	(m	in m	(ha)
			AMSL)		
1	92.57	20 to 15	10	10 to	No backfilling proposal
				5	

2	40.84	15 to 13	7	8 to 6	No backfilling proposal
3	14.47	18 to 16	10	8 to 6	No backfilling proposal
4	12.76	11 to 7	2	8 to 4	No backfilling proposal
	16.84	7 to 6	3 to 2	4	Backfilling of Pit area of
					16.84 Ha for entire depth.
					(618480 cu.m)
5	19.52	9.5 to	2	7.5 to	Backfilling of Pit of 19.52
		7.5		5.5	Ha for 4.0 m depth
					(751520 cu.m)
Total	197 Ha				36.36 Ha (1370000 cu.m)

8. The **Project** needs to revise the activities proposed under the Wildlife Conservation Plan. The **Project** Proponent also needs to ensure that the Schedule-I species as per the latest Wildlife Protection Amendment Act. 2022 shall also be included in the Wildlife Conservation Plan for their conservation.

Proponent As advised, revised wildlife conservation plan evise the incorporating the Schedule-I species as per the sed under latest Wildlife Protection Amendment Act, 2022 is attached on Parivesh Portal.

9. The EAC was of the view that the compensation rate is very less and asked the Project proponent to revisit and justify the budget proposed for Resettlement & Rehabilitation (R&R). The Project Proponent also needs to submit the action plan for land acquisition and timeline.

Type of land	Land rate, Rs.	Land	Total Amount
	Lakh/ ha	requirement, ha	Rs. lakhs
Private	13.00 *	189.76	2466.88
Government	On mining	7.24	-
	lease		
Total		197.0	2466.88

^{*:} Total amount given considering as per DLC rate. However, land will be procured/get consent for mining purpose on mutual agreed commercial rates.

Type of	Rate, Rs. /	Approx.	Total
homestead	sq.m.	Homestead	compensation,
		area**, sq.m.	Rs. lakhs
Pucca	10000		
Semi pucca	5000	480	48
Kutcha	2000		
Total		480	48

^{**} Company will consider homestead losers falling in proposed mine area on actual basis at the time of starting of mining activity and such homestead losers shall be compensated on mutually agreed commercial terms.

Since the land owners as well as homestead owners shall be compensated on commercial terms, therefore, they will have better economic strength to rehabilitate or reinvest the compensation amount. Hence, no separate R & R plan is envisaged.

Action plan for land acquisition and timeline is as below:

	Sr.	Timeline for land	Pvt.	Govt.	Total, Ha
	No.	requirement	Land,	Land,	
	7		Ha	Ha	
	1	Present			
	1.1	Purchased	0	0	0
	1.2	Consented	25.14	0	25.14
	1.3	Leased	0	25.65	25 <mark>.6</mark> 5
	2	Future		/20	
	2.1	1 st to 5 th year mining	42.94	0	42.94
(2.2	6th year to Conceptual	194.36	7.24	201.60
	Ċ	stage -13 th year	She 15	///	
	2.3	Mine life (up to lease	586.48	25.65	612.13
	12	period)	DEEP		

Mining lease deed has already been executed for said mining lease so mining can be started in Govt. lease land. As far as private land is concerned, company has obtained surface rights for mining by purchasing land/consent in some of the land & for remaining land, company is in process to procure ownership or surface right for mining on mutually agreed commercial terms. We hereby assure that company will obtain surface rights of the land before entry in pvt. land for starting mining activity in the mining lease area.

10. The Project Proponent needs to submit the action plan for year wise exploration program

The Indian Bureau of Mines, Govt. of India, Gandhinagar has approved the Mining Plan vide its letter dated: 05.08.2021 for the period of 5 years i.e. up to 2025-26.

Looking towards the systematic exploration of the entire area, 183 nos. of Core Bore Holes has been proposed in the area in order to bring the ML area within G1 stage in accordance with MEMC Rules 2015 and MCDR 2017 as per approved mining plan.

The deposit is sedimentary origin and simple in nature, therefore boreholes are kept at an interval of 200m grid pattern. A total of 183 number of Core Boreholes are proposed up to a level of +1.0 MRL. Initially BH drilling shall be at an interval of 400m. If limestone potentiality proves, then further BH can be done closely at 200m interval. All proposed BH shall be drilled vertically. The exploration shall be carried out in five years of working i.e. year 2021-22 to 2025-26. Exploration shall be carried out as shown in table to bring BH at 200m interval

Program of Future Exploration

YEAR	No. of BH	Grid	Total
70 L	211	Interval	Meterage
2021-22	PBH-1 to	400 m &	Up to +1.0
to 2025-	PBH-119	200 m	MRL
26	PBH-120	200 m	Up to +1.0
	to PBH -		MRL
	183		

The exploration shall be started as soon as mining work is started on grant of EC and try to accomplish within shorter period if conditions are favorable.

The location of Proposed BH is depicted in Surface Geological plan of the approved mine plan and given in EIA report in figure no. C 2-2 in Chapter 2. (Copy given on Parivesh Portal).

11. The Project Proponent needs to submit the copy of the permission letter obtained from the State Govt. for utilization of Chemical Grade of

Permission accorded by the Govt. of Gujarat vide order dated: 17.08.2023 for utilization of Chemical Grade of Limestone for non-cement purposes is attached on Parivesh portal.

	Limestone for non-cement	
	purposes.	
12	The Project Proponent	The company has not carried out any mining
	needs to submit a letter	within the lease area much less any illegal
	from the Department of	mining in the lease area. There are old pits pre-
	Geology and Mining,	dating the allotment of the lease to the
	Government of Gujarat	company, which were received in legacy and
	clarifying whether any	shown in the present surface geological plan
	illegal mining within the	(Copy given on Parivesh portal). Request letter
	mine lease area has been	in this regard has been submitted to
	carried out or not and	Department of Geology and Mining,
	whether the same has	Government of Gujarat on 03.11.2023.
	been carried out by M/s.	Acknowledgement of the same is attached on
	Nirma Limited or not?	Parivesh portal.

xviii. Compliance of Sub-Committee Site Visit Recommendation given in 25th EAC meting MoM held on 9th – 10th January, 2024.

Sr.	Recommendation of Sub-Committee	Reply by Project Proponent
No.	5 7 7	1.31
1	PP should submit an action plan and	Action plan and Timeline indicating the
	timeline to indicate the purchase of lands	purchase /obtain surface rights of land
	across all three mining leases wherein it	for mining for all three mining leases to
	has proposed mining pits to initiate	initiate mining activities is attached on
	mining activities since as on date PP has	Parivesh Portal.
	only purchased / obtained surface rights	1,5
	over 101.1967 Ha out of 1351.6489 of	÷ 1/1
	Private Agriculture Land.	00
2.	Since PP envisages to handover the	In said mine, survey has been
	land with shallow quarry having depth	conducted & 2 nos. of pits i.e. Pit No. 4
	upto 4m to landowners for farming and	& 5 (total Pit area -49.12 Ha) will have
	mostly all three mining leases are having	shallow depth pit in Pit area -36.36 Ha,
	agricultural land.	will be backfilled for entire depth / partial
	PP is requested to conduct a survey to	depth, looking to availably of Soil for
	indicate the present status and number	backfilling.
	of low-lying areas, their respective which	Pit no. 4 -16.84 Ha Pit area of 4.0 m
	may be backfilled with available capacity	bgl for entire depth out of total pit
	of top soil/overburden and can be	area of 29.6 Ha.
	handed over to farmers for agricultural	• Pit No. 5 – 19.52 Ha Pit area of 4.0
	purpose.	m bgl for entire pit area in partial
		depth.
		Action plan for backfilling of shallow
		depth pits of depth up to 4.0 m and

		handing over to farmers for agriculture is
		attached on Parivesh Portal
3.	Project Proponent needs to provide year	Exploration plan of said mining lease is
	wise exploration plan for all the three	attached on Parivesh Portal
	mining leases.	
4.	Since, Bhavnagar falls under severely	Chitra Industrial area (severely polluted
	Polluted Area category, PP shall ensure	area) in Bhavnagar city is located
	that during initiation phase itself they	around 100 km away from our said
	should include the provision of	mining lease area.
	permanent water sprinklers across the	
	haul roads in all three mining leases.	On initial stage, company will engage
	1640	water tanker with sprinkler arrangement
	6	to suppress the dust on haul road and
		company will make provision of
	T	permanent water sprinklers across the
		haul roads in all three mining leases.
5.	Since, Bellur and other schools are in	Company will ensure to maintain require
	close proximity to mine lease area, PP	safety measures & distance from Bellur
	shall ensure that necessary safety	School & other schools as per DGMS
	measures are taken as per DGMS	norms for all three mining leases during
C	norms for all three mining leases.	mining.
6.	PP shall ensure to construct bunds near	Not applicable
	the existing low lying areas that has	1970
	developed into wetland to prevent the ingress of sea water in Padhiyarka and	
	Doliya Limestone Mine lease area and	1/8
	Gujarada, Dudheri & Dudhala limestone	Pro
	mine lease area.	12
7.	The project Proponent needs to submit	Not applicable
	the integrated management plan	
	describing the strategies and actions for	
	achieving wise use of the wetland and	010
	the plan shall include objectives of the	6.,
	site management, management actions	S
	required to achieve the objectives,	
	factors that affects, or may affect, the	
	various site features, monitoring	
	requirements for detecting changes in	
	ecological character and for measuring	
	the effectiveness of management, and	
	resources for management	
	implementation.	
8.	PP needs to engage and impart skill	Company will not acquire any
	among the villagers and local population	agriculture land through land acquisition

	mainly the land losers and also submit a plan for their alternate livelihood arrangement since most of them will be losing their fertile lands.	by Govt. or without willingness of land owner and will purchase / obtain surface rights for mining on market commercial negotiated rates. Land owners may purchase agriculture land in nearby area in the amount which is to be paid to them against their land and can continue their livelihood. Company will give priority to engage land owners who have given land for mining purposes as per requirement of manpower for mines. Also, company will arrange to impart training to build capacity for self-
	N THE RESIDENCE	employment [stitching, embroidery, tailoring, pickles, dairy improvement, poultry farming, etc.] to land losers and will facilitate vocational training along with skill development for getting better job opportunities (Budget Rs. 3 lakhs/year).
9.	PP should widen the existing village roads before using it for transportation in all three mining leases, wherever widening is not possible, PP shall submit an action plan for making alternate roads.	On initial stage, company has proposed to mine out limestone for Soda ash plant in lower capacity and company will use existing village road for transportation of limestone by maintaining the existing village road as number of trips of truck / dumpers will be very less i.e. around 11 numbers of trips/day maximum in this mine. Company will widen the existing village
	- Paymen	road or make alternate road in all three mining leases on installation of cement plant. Section plan of the road widening is attached on Parivesh Portal
10.	PP should engage wildlife experts/ avian experts for conservation of the avian fauna within and near its mine lease.	Company has already engaged wildlife expert / avian expert for conservation of the avian fauna within and near its mine lease.
11.	PP shall plant native fruit bearing plants across all the proposed green patches.	Native fruit bearing plants will be planted across all the proposed green patches.

12. PP shall put boundary pillars across all mining leases. Company had erected boundar at the time of lease deed executed got authentication of all boundar co-ordinates through the DILR Govt. and provided in the amining plan for all three mining Some pillars have been diremoved by local people. Comput such boundary pillars again commencement of mine so that be maintained. 13. The project proponent needs to submit a The company has not carried	ary pillars R / State approved g leases. islodged/ pany will
	-
	-
letter from the Department of Geology & illegal mining in the lease a	
Mining, Govt. of Gujarat, clarifying request letter to provide whether any illegal mining within the certificate regarding no mining	•
mine lease area has been carried out or out by company or others has	
not and whether the same has been submitted to the District G	
carried out by M/s Nirma Limited or not? Department of Geology and	_
Government of Gujarat, Bhavna	_
letter dated: 01.11.2023. In t District Geologist, Bhavnag	
	to the
Commissioner of Geology &	_
Govt. of Gujarat, Gandhinagar	
letter dated: 01.02.202 communicate the same to Mo	
copy endorsed to us. As per hi	
Mecanic et al Villa III and a series of the	-
mineral has been registered w mining lease area against the o	
mining lease area against the o	. ,
M/s Nirma Limited or against a individual or entity.	iny other
e de la companya de	
Copy of our submitted letter	
01.11.2023 and copy of repor	
District, Geologist, Geology 8 Dep't, Bhavnagar dated 01.02	_
annexed on Parivesh Portal	021 10
14. PP needs to submit plan to transport The mine is captive mine to p	roposed
crushed limestone from all the three cement plant at Padhiarka, Mah	
leases to plant. High grade limestone to be company's own existing Soda A	
located as Kalatalav, Bhavnaga	

The cement plant is adjoining to the mine lease while the Soda ash plant is located around 100 km away and accessed through National Highway.

Establishment of cement plant may take some time while the soda ash plant is already operational.

Hence, till the commencement of proposed cement plant, maximum 5% TPD limestone i.e. 265 will transported to Soda ash plant located near Bhavnagar through dumpers @11 trips per day. The trucks will pass through existing Madhiya - Amrutvel village road of 7 m width (out of which 4 m is black topped) for around 1.0 km and meet National Highway no. 51, from where the truck will move around 100 km.

15. PP needs to take some measures to keep the migration bird ponds un harmed and protected by activity of mining in future.

Migratory birds are seen in Malan Bandhara as well as other nearby Bandhara areas, which areas located at distance of 5.4 km and 2.3 km from our mining lease area, respectively.

Birds are also seen in low lying area, in which rain water accumulates temporarily during monsoon. However, they are pre-dominantly resident water birds.

The company is committed to the measures proposed in the site specific wildlife conservation plan (summarised in point 7 earlier), which include points related to protection of shallow ponds, ecology and birds.

The company will mine above 2m AMSL in low lying areas to maintain the fresh water nature of the water in it. The enlargening of the low lying area in pit

		no. 2 & 3 of Padhiaryka & Doliya Mine
		and pit no. 5 & 6 of Gujarda, Dudheri &
		Dudhala will provide more area to birds.
		Also company will ensure that
		transportation will be carried out by
		maintaining safety distance from low
		lying areas.
16.	PP needs to install water treatment plant	Drinking water is provided in every
10.	to reduce the hardness of water.	, , ,
	to reduce the naturess of water.	nearby villages through Narmada water
		pipeline by the State Govt. and drinking
		water requirements for mines shall also
	KYC	be fulfilled through Narmada water pipe
	e.,	line which is passing through nearby
		area. Hence, presently there is no
		proposal to use the hard ground water.
		However, if any requirement sought in
	The same of the sa	future we will provide treatment plant.
17.	PP needs to explore possibility of	Company has proposed mining with
	deploying surface miners for mining.	surface miner (50% quantity) in IBM
	7 9	approved mine plan and also in EIA
		report. Company explored use of
		Ripper dozer for cement plant use to
		eliminate drilling & blasting in the
		remaining 50% and committed the same
	7/19	in point no. 3, Specific Terms of
	1	Reference received from MOEF&CC
	2	vide Letter no. J-11015/154/2016-IA.
	"Ofecte of She	
	3	II(M) dated November 28, 2022.
\ \	CPC GRE	
	GRE	For soda ash plant, we need sized
	170	limestone i.e. 25 mm to 100 mm, so
	e	surface miner cannot be deployed for
		limestone mining for Soda ash plant
	e-Paymeni	use. However, company will deploy rock
		breaker to avoid blasting during mining.

xix. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Crores)	Recurring cost
		(Lakhs/annum)
Pollution Control	0.241	9.54
Pollution monitoring	0.016	3.88
Occupational health	0.011	0.64
Environmental Studies, etc.	0.10	_
Green belt	_	5.10

Reclamation	_	11.39
Others (Environmental studies,	_	5.28
Rehabilitation, Realignment,		
Expert advice, fencing etc.		
Overheads	_	0.30
Total	0.3680	36.12

xx. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP	0.70
+ capital cost of Public hearing)	
Project Cost	25
Employment (No.s)	58

3. Observation and Recommendation of the EAC

The EAC deliberated the instant proposal along with Padhiarka & Doliya Limestone Mine and Gujarda, Dudheri & Dudhala Limestone Mine. The Project Proponent presented its reply to the ADS points raised vide minutes of the 21st EAC as well as the recommendation of the sub-committee. After detailed deliberations, EAC deferred the proposal for the want of following information:-

- The Proponent shall submitNo Objection Certificate from Ministry of Defence for consideration of the instant project.
- II. PP needs to undertake a study to showcase the probable impact of mining on migratory bird species and their fly-way passage (Central Asian Flyway). Accordingly, PP shall submit the revised conservation plan for the migratory bird species.
- III. The Project Proponent needs to underatake a study and submit the action for laying common Over Land Belt Conveyor(OLBC) for transportation of mineral from mine lease area to the proposed Cement Plant.
- IV. The project proponent needs to submit a letter from the Commissioner of Geology & Mining, Govt. of Gujarat, clarifying whether any illegal mining within the mine lease area has been carried out or not and whether the same has been carried out by M/s Nirma Limited or not?
- V. PP submitted that National Highway is under construction, and they have submitted letter to National Highway Authorities of India(NHAI) regarding grant of permission to provide Underpass near their proposed cement plant entry. Accordingly, PP needs to submit the permission letter for the underpass.
- VI. The Project Proponent needs to carry out study by reputed institute to ascertain hardness of strata for deployment of surface miners for mining.
- VII. The Project Proponent needs to submit time line for acquiring land from the villegers.

Day 2: 15th March, 2024 (Friday)

2.1 Gandhamardan Block B Iron Ore Mining Project for production capacity of 9.12 MTPA in the mine lease area of 1590.8673 ha by M/s Odisha Mining Corporation Limitedlocated at Village Upper Jagar, Urumunda, UparKainsari, Nitigotha, Ambadahara, Salarapentha, Daonla&Gandhamardan Protected Reserve Forest, Tehsil Banspal, District Keonjhar, State Odisha – Reconsideration for Amendment in EC dated 03.02.2009 w.r.t. specific condition no. 'xx' reg [Online Proposal No. IA/OR/MIN/451209/2023, F.No. J-11015/1084/2007-IA.II(M)]

The proposal is for amendment in EC dated 03.02.2009 w.r.t specific condition no. xx of Gandhamardan Block B Iron Ore Mining Project of M/s Odisha Mining Corporation Limited for production capacity of 9.12 MTPA in the mine lease area of 1590.8673 ha, located at Village: Upper Jagar, Urumunda, UparKainsari, Nitigotha, Ambadahara, Salarapentha, Daonla & Gandhamardan Protected Reserve Forest, Tehsil Banspal, Dist. Keonjhar, Odisha.

- 2. The details of the project as ascertained from the documents submitted by the Project Proponent and revealed from the discussions held during the meeting are given as under:
 - i. Initially, the Project Proponent obtained Environmental Clearance vide EC letter dated 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha. One of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset".
 - ii. Now, the Project Proponent has requested for amendment in EC dated 03.02.2009 to allow the transportation of ore outside the mine lease area after the sunset in respect of Gandhamardan Block B Iron ore mines of OMC.
 - iii. Justification for amendment in EC:
 - a. The Project Proponent has submitted that the total mine lease area is 1590.8673 ha, out of which 1409.6489 ha is a forest land and 181.2184 ha is a non-forest land.
 - b. Stage-II Forest Clearance was granted in two phases. (i) MoE&F vide letter dated 17.08.2007 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 232.438 ha of forest land and (ii) MoEF&CC vide letter dated 09.10.2018 granted forest clearance under Section-2 of the Forest (Conservation) Act, 1980 for diversion of balance forest land of 1177.211 ha including 25.1070 ha for safety zone in addition

- to 232.438 of forest land already diverted within total mining lease area of 1590.8673 ha.
- c. Since the date of grant of forest clearance for the total area within mine lease,OMC has never been able to achieve the target production and dispatched Iron ore of 9.12MTPA(approved production quantity as per EC). It is not possible to transport all the materials during the day time with the existing road infrastructure and due to Specific Condition No.(xx) of EC dated 03.02.2009.
- iv. The Project Proponent has submitted that the supplementary mine lease deed executed on 07.06.2019 and the mine lease is valid up to 10.07.2040. Modification of Review of Mining Plan along with Progressive Mine Closure Plan was approved by Indian Bureau of Mines vide letter dated 02.08.2021 over an area of 1590.8673 ha for the period 2021-22 to 2024-25.
- v. The Project Proponent has submitted the past production details from the year 1993-94 to 2023-24 (August, 2023) wherein, excess production has been observed from the year 2001-2002 to 2008-2009. Afterwards the production capacity is within their prescribed EC capacity.
- vi. The Project Proponent has submitted the certified compliance report issued by the Regional Office (RO), Bhubaneshwar. Site visit was conducted by RO on 09.10.2023.
- vii. Earlier, the Proposal was considered in the 23rdEAC meeting held during 5-7th December, 2023 wherein the Committee has deferred the proposal for the submission of requisite information. The Project Proponent ha submitted the relevant information on Parivesh are as follows:

S.No.	Observation in 23 rd EAC meeting held during 5-7 th December, 2023	Reply by Project Proponent
1.	The Project Proponent needs to carry out the scientific study by the reputed institute regarding the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and fro, capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation depending on the infrastructure availability and also adverse impacts on the environment and wildlife due to night transportation.	The scientific study on the carrying capacity of the road indicating the exact quantity to be transported during night time along with details of trips to and capacity of the dumper, design of the road, additional traffic on the road, timeframe required for night transportation etc has been carried out by CSIR-Centre for Road Research Institute (CRRI). The Report has been submitted on Parivesh.
2.	The Project Proponent needs to submit the specific mitigation	

	measures w.r.t Wildlife during night	17.02.2024 submitted the		
	transportation.	information related to the mitigation measures w.r.t wildlife during night		
		transportation.		
3.	The Project Proponent needs to	Divisional Forest Officer (DFO),		
	submit the letter from the State	Keonjhar vide letter dated		
	Forest Dept., regarding the	17.02.2024 submitted the		
	movement of animals in the	information w.r.t. movement of		
	transportation route during night.	animals in the transportation route		
		during night.		
4.	The Project Proponent needs to	Project Proponent has submitted		
	submit the re verification report done	comments of regional office,		
	by the Regional Office for the non-	Bhubaneswar for the non-		
	compliances.	compliances.		
5.	The Project Proponent needs to	The copies of the demand notice		
	submit the copy of the demand	issued from the Office of the Deputy		
	notice issued from the Office of the	Director of Mines and proofs of		
	Deputy Director of Mines and proof	payment made against the demand		
	of payment made against the	notices has been submitted vide		
	demand notice.	letter dated 04.09.2017.		
6.	The Project Proponent needs to	The copy of the certified past		
	submit the copy of the certified past	production details issued from the		
	production details issued from the	Office of Deputy Director of Mines		
	Office of the Deputy Director of	dated 18.09.2023 from the year		
	Mines dated 18.09.2023 from the	1993-94 to 2023-24 (August, 2023).		
	year 1993-94 to 2023-24 (Aug,			
	2023).	215 7		

viii. The Project Proponent has submitted the certified compliance report issued by the Regional Office (RO), Bhubaneshwar. Site visit was conducted by RO on 09.10.2023.

3. Observation and Recommendation of the EAC

The Project Proponent informed the EAC that initially Environmental Clearance (EC) was obtained on 03.02.2009 for an annual production capacity of 91,20,000 tonnes (9.12 million tonnes) of Iron Ore over an area of 1590.8673 ha.

The Project Proponent further informed the EAC that one of the specific condition no: xx states that "Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the mine lease. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral within the mine lease shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset"

The EAC noted that the ML area is surrounded by the forest area and movement of wild-animal species have been frequently observed. Committee asked the PP to increase the truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand.

The EACrequested the PP to engage any reputed wildlife institute to carry out a study for recording the movement of elephant and other wild-animals. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area. EAC also opined that PP needs to carry out a drone survey of the entire mine lease area and the transportation route. Based on above discussion, the EAC **deferred** the proposal for the want of following information:-

- The PP needs to submit the implementable plan for increased truck size from 40 to 45 tonnes (Payload) in order to meet the transportation demand in day time.
- ii. The PP needs to submit the clarification from DFO with regard to presence of Elephant and other wild-life movement within the mine lease area and in its vicinity.
- iii. The PP needs to carryout a study to record the movement of elephants and other wild-animals within and near the mine lease area. The study should also reflect existing Human-Wildlife conflict if any prevalent within the vicinity of the mine lease area.
- iv. The PP needs to submit the recorded drone video of the complete ML area and transportation route.
- v. PP needs to submit the Data related to the movement of commercial vehicle at night and projected number of total commercial vehicle to be seperately mentioned after considering the truck size of 40-45 tonnes (Payload).
- Lakheri Limestone Mine for Limestone production with capacity of 1.5 MTPA and waste/topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH in the ML area of 1516.88 ha by M/s ACC Limited located at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh& Kesoraipatan, District Bundi, Rajasthan–For Corrigendum in Environmental Clearance dated 29.12.2023 w.r.t. Specific Condition no. 3.2 reg [Online Proposal No. IA/RJ/MIN/462722/2024, F.No. J-11015/167/2018-IA.II(M)]

The proposal is for Corrigendum in EC letter dated 29.12.2023 w.r.t. Specific Condition no. 3.2 w.r.t correction in area of diverted forest land as 208 ha in place of 201.88 hafor Lakheri Limestone Mine for Limestone production with capacity of 1.5 MTPA and waste/topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH in the ML area of 1516.88 ha by M/s ACC Limited located at villages Gendoli Kala, GendoliKhurdh, Pholai, Gutha, Mahuwa,

Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lkaheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh & Kesoraipatan, District Bundi, Rajasthan.

2. The Project Proponent has submitted the following information with regard to the corrigendum sought:

Ref of EC	Particular	Required Corrigendum	Remark
Specific Condition No 3.2	Mining activity is restricted to the Forest Land (201.88 ha) for which the Stage II FC is available as per Ministry's letter dated 27.12.2017 plus the non-forest land (1107 ha)"	ha) for which the Stage II FC is	MOEF&CC (Forest Conservation Division) has rectified the same vide corrigendum dated 09.02.2024 and mentioned in Para no 3 of the said letters it is mentioned that "Therefore instead of 201.88 ha as mentioned in Ministry letter no. 8-26/2003-FC dated 27.12.2017 it should be read as 208 ha and the remaining content of the letter no. 8-26/2003-FC dated 27.12.2017 remains the same"

3. Observation and Recommendation of the EAC

The PP/Consultant informed the EAC, that the instant proposal is for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha.

The EAC noted that the Project Proponent has obtained the permission for the complete forest area of 409.88 ha on 27.12.2017 wherein it was mentioned that out of 409.88 ha of forest land in the lease, the Forest Clearance under section 2 (ii) was granted for 201.88 ha in 2012. However, the Project Proponent has Forest Clearance under section 2 (ii) for 208 ha.The Forest Conservation Division in the Ministry vide letter dated 09.02.2024 has clearly mentioned that instead of 201.88 ha as mentioned in Minstry letter no. 8-26/2003-FC vide dated 27.12.2017 should be read as 208 ha.

In view of the above, the EAC **recommended** for corrigendum in Specific Condition no 3.2 of Environmental Clearance (EC) dated 29.12.2023 w.r.t correction in diverted forest area of 208 ha in place of 201.88 ha and the specific condition no. 3.2 shall be read as "Mining activity is restricted to the Forest Land (208 ha) for which

the Stage II FC is available as per Ministry's letter dated 27.12.2017 and 09.02.2024 plus the non-forest land (1107 ha)".

2.3 River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA in the Mine lease area of 329.90 ha by M/s Pramod Meena Baran located at Villages Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajasthan – Reconsideration for Environmental Clearance reg[Online Proposal No. IA/RJ/MIN/25563/2014, File No. J-11015/166/2014-IA.II(M)], [EIA Consultant: M/s Overseas Min-Tech Consultants]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 16,56,120 TPA in the Mine lease area of 329.90 ha by M/s Pramod Meena Baran located at Villages Bhawgarh, Balunda, Jarela, Mundiya, Nand Ganwadi, Pagara, Singola, Mahtabpura, Piplda Khurd, Boreda, Piplda Kalan, Arjunpura, Bislai, Gorela, Takariya Dhani, Gopalpura, Pali Tehsil Mangrol & Kishanganj, District Baran, Rajasthan.

2. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent's letter dated 15.03.2024 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.4 River Sand (Bajri) Mining Project with production capacity of 0.42 MTPA in the Mine lease area of 360.97 ha by M/s Shri Mukesh Sharmalocated at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj Tehsil Kagla Bamori, Mehrawata, Rani Badod District Baran, Rajasthan – Reconsideration for Environmental Clearance reg [Online Proposal No. IA/RJ/MIN/32677/2015, File No. J-11015/408/2015-IA. II(M)], [EIA Consultant: M/s Enkay Enviro Services Pvt. Ltd.]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 0.42 MTPA in the Mine lease area of 360.97 ha by M/s Shri Mukesh Sharmalocated at Revenue Villages of Baran TehsilUlthi, Majrawta, KalyanpurGhata, Ghisri, Hanotiya, Koyla, Shahgarh, Revenue Villages of Kishanganj Tehsil Kagla Bamori, Mehrawata, Rani Badod District Baran, Rajasthan. River area spreads in 10 Villages of Tehsil – Baran & Kishanganj.

2. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.5 River Sand (Bajri) Mining Project with production capacity of 2.8 MTPA in the Mine lease area of 905.206 ha by M/s Shri Mukesh Sharmalocated at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan–Reconsideration for Environmental Clearance reg [Online Proposal No. IA/RJ/MIN/25369/2014, File No. J-11015/113/2016-IA-II (M)], [EIA Consultant: M/s Enkay Enviro Services Pvt. Ltd.]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 2.8 MTPA in the Mine lease area of 905.206 ha by M/s Shri Mukesh Sharmalocated at near revenue villages of Tehsil Pidawa, District Jhalawar, Rajasthan.

2. Observation and Recommendation of the EAC

The EAC noted that the Project Proponent's letter dated 23.11.2023 regarding the change in scope of the proposal. Accordingly, the EAC **recommended** to return the proposal in present form.

2.6 River Sand (Bajri) Mining Project with production capacity of 1.008 MTPA in the Mine lease area of 177.64ha byM/s Chandak Associates located at near village Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan – Reconsideration for Environmental Clearance reg.[Online Proposal No. IA/RJ/MIN/26462/2013, File No. J-11015/179/2013-IA.II (M)]

The Proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.008 MTPA in the Mine lease area of 177.64ha by M/s Chandak Associates located at near village Sureli (Khasra No. 1 and 1402) Tehsil Uniyara, District Tonk, Rajasthan.

- **2.** The Project Proponent has submitted the following information on the Parivesh portal:
 - i. The Latitudes and Longitudes of the Mine Lease area are 26°06'04.29"N to 26°07'59.76'N and 76°01'05.66"E to 76°01'400.57"E respectively on Survey of India toposheet numbers 45 N/16 & 54 B/4. The Project is located in Seismic zone-II.
 - ii. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category A or Activity 1(a) as the mining lease area is greater than 100 ha.
- iii. The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd 24th July, 2013 to determine the Terms of

Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/179/2013-IA.II (M), dated 13th September, 2013.

3. Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent did not attend the EAC meeting at the scheduled time. Hence, EAC **deferred** the proposal.

2.7 River Sand (Bajri) Mining Project with production capacity of 1.31 MTPA in the Mine lease area of 252.48ha by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan – Reconsideration for Environmental Clearance reg[Online Proposal No. IA/RJ/MIN/25549/2014, File No. J-11015/233/2014-IA.II(M)]

The proposal is for Environmental Clearance for River Sand (Bajri) Mining Project with production capacity of 1.31 MTPA in the Mine lease area of 252.48ha by M/s Shri Chandra Pal Singh s/o Shri Ganga Singh located at Tehsil-Digod & Pipalda, District-Kota and Tehsil- Anta, District-Baran, Rajasthan.

2. The Project proponent vide letter dated 07.03.2024 submitted that their proposal was considered during the 32ndMeeting of EAC held during May 30-31st, 2018. The committee observed that the Terms of Reference (T.O.R) validity for aforesaid project was expired at the time of submission of the final report, and subsequently the project was deferred. Subsequently, ADS was generated on 15.02.2023, since the validity of T.O.R dated 29.10.2014 expired, the committee directed to apply fresh T.O.R at SEIAA as per the provision of EIA, 2006 notification and its subsequent amendments.

In compliance to the directions of EAC, and as per Gazette Notification S.O.1886 (E), dated 20thApril, 2022, the Project proponent has applied for fresh TOR in SEIAA- Rajasthan with Proposal No. SIA/RJ/MIN/419277/2023 on 26.12.2023.

3. Observation and Recommendation of the EAC

The EAC after deliberations noted and accepted the withdrawn request of proposal and hence, **recommended** to withdraw the same.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	14 th	15 th
			3	March 2024	March 2024
	IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat, 382 008	Chairman	Yes	Yes
	IFS (Retd.)	Opposite Durgapur Railway Station, Jaipur- Rajasthan, 302018	Member	Yes	Yes
	Scientist 'G' (Retd.), WII	Sewla Kalan, P.O. Majra, Dehradun, Uttarakhand- 248171	Member	Yes	Yes
	(CMD- Heavy Engineering	Singhee Marg, A- 604 Shahadeo Tower, P.P.Compound, Ranchi 834001, Jharkhand	Member	Yes	Yes
5	Reddy	Flat No-503 A, Jyoti Cosmos, White Fields, Hi- Tech City, Kondapur,Hyderabad- 500081	Member	Yes	Yes
6		Shri Aurobindo College, University of Delhi 1372, B- 1, Vasant Kunj, New Delhi- 110070	Member	No	No
		Department of Environmental Studies, NEHU,Shillong-793022 <mark>Meg</mark> halaya		No	No
8	Dr. Suresh Tiwari Scientist-F	Indian Institute of Tropical Meteorology, Pune,New Delhi Branch, Prof. Ram NathVijMargRajinder Nagar, New Delhi - 110060	Member	Yes	Yes
	Dr. K.G Asha Manjari, Professor, University of Mysore	10/B, "SPARSHA", 2nd Main, 2 nd Cross,BhogadilInd Stage, Mysore-570026, Karnataka		Yes	Yes
10		Sardar Patel University,Mandi H.P. 175001	Member	No	No
11	1	Government of India, Ministry of Earth Sciences, India Meteorological	Member	No	No

	Department	Department,			
		MausamBhawan, Lodi			
		Road, New Delhi – 110003			
12	Shri Yogesh Kale	Controller of Mines, IBM	Member	Yes	Yes
	Representative of	Block D, Second Floor,			
	Indian Bureau of	Indira Bhavan, Civil Lines,			
	Mines	Nagpur - 440001			
13	Shri Niazi	Representative of	Member	Yes	Yes
	Mohammed	Directorate General of			
		Mines Safety			
15	Shri Pankaj Verma	3 rd Floor, Vayu Block, Indira	Member	Yes	Yes
		ParyawaranBhawan,	Secretary		
		MoEF&CC, Jorbagh, New			
		Delhi- 110003.	Ca		

