<u>The 133rd Meeting of State Level Expert Appraisal Committee - 1</u> <u>held on 24th & 25th August, 2016 at Parishad Sabhagraha, Hall no.</u> <u>2 & 3, 7th Floor, Main Building, Mantralaya, Mumbai- 400 032.</u>

The following members were present for the Committee meeting:

Shri. T. C. Benjamin	Chairman	24 th & 25 th August, 2016
Prof. (Dr.) Bhaskar N. Thorat	Member	24 th & 25 th August, 2016
Shri. ChandrakantI. Sambutwad	Member	24 th & 25 th August, 2016
Prof. (Dr.) Ramesh Dod	Member	24 th & 25 th August, 2016
Shri. D A Hiremath	Member	absent
Shri. Madan M. Kulkarni	Member	absent
Shri. Balbir H. Sehgal	Member	24 th & 25 th August, 2016
Shri. M. B. Hajari	Member Secretary	absent

At the outset, the Chairman welcomed all Members present to the meeting. Thereafter the items were taken up for discussion.

*	Confirmation	of minutes of 132 nd meeting	

The minutes of the 132ndSEAC-I meeting were **confirmed** unanimously.

Item no. 1	M/s. Maharashtra State Road Development Corporation Ltd. District
	Raigad and Pune (ToR)
	For amendment in ToR of proposed capacity augmentation of Mumbai-Pune
	corridor

The project was considered under category 7(f)-B1 under the schedule of EIA Notification 2006. The Committee had approved ToR for the project in the 122^{nd} meeting and PP had already started preparation of EIA report. The PP now presented certain changes in the project based on recommendations of their technical committee as depicted in the *Annexure 1.1*.

The Committee studied the modified proposal and concluded that it would not be necessary to change ToR points given in the 122nd meeting but for the following point:

1. PP intends to adopt drilling and blasting instead of tunnel boring to facilitate shoe shaped cross section for tunnels, which would be more structurally stable. The impact of such process on the nearby structures in particular the existing Mumbai-Pune Expressway should be studied and presented in the EIA report.

With this addition to the ToR approved in the 122^{nd} meeting, the Committee decided to **approve ToR** for the preparation of EIA report.

Chairman

Member Secretary

Aspect	As per Approved ToR (122 SEAC)	Modified Proposal
Length	8 lane Missing link (with viaducts 1.7 km and tunnel 9.310 km) -12.0 km Elevated Road (4+4 lane) - 4.1 Km Total Length – 16 km	8 Lane Missing Link (with viaducts 1.2 km and tunnel 11.62 km) -13.3 km Widening of existing expressway (6 lane to 8 lane) - 6.5 km Total Length – 19.8 Km
Lanes	8 lane	8 lane
Tunnels	2 (2 twins tubes of 4 lane each with 3.33% grade)	2 (2 twins tubes of 4 lane each with 3% grade)
Land Acquisition	82.01 ha	84.098 ha
Forest Area	43.63 ha	46.83 ha
Tunnel Boring Methodology	Tunnel Boring Machine	Drilling & Blasting

<u>"Annexure 1.1"</u>

Discussion	Discussion on M/s. Robo Silicon Pvt. Ltd.
Item 1	

The proposal was considered under category 1(a)-B2 of the schedule of EIA Notification 2006. The brief information submitted by the PP is depicted below:

Sr No	Name of Village	Taluka	Survey No.	Name of Leasee/ Proposed Leasee	Land Belongs to (Govt Land/Private Land	Area (in hectares)	New or ongoing mine
1	Khanav	Khalapur	732,733 [,] 780- 790,957-97	M/S ROBO SILICON PVT.LTD,HYDERABAD	Private Land	15.75	NEW

Previous consideration: The 104th Meeting held on 19th and 20th June 2015

Decision: The proposal was previously considered in 82nd and 96th meetings of SEAC-1. The Committee had also visited the proposed site on 26th July, 2014. In the latter meeting certain compliances were sought from PP.

PP submitted the compliances as follows:

Sr. No.	Compliances Sought	Submission of PP	Observations of the
			Committee
1.	Details of proposed ESA villages within 5 km of the quarry site.	List of 07 villages Khambediwad, Ursoli, Tondli, Gohe, Karambili, Adoshi and Kharambewadi has been submitted.	Though the ESA villages as per HLWC has not been formally notified the fact remains that proposed quarry is in the middle of a highly eco sensitive zone, surrounded by 7 ecosensitive

			villages.
2.	NOCfromMSRDCregardingsafetyofMumbai-PuneExpresswayfromlooseningofbouldersduetoconstantblasting.	MSRDC's letter saying that the quarry is " beyond their jurisdiction " submitted.	Letter of MSRDC is sheer escapism. Instead of addressing issues; they have made an obvious statement to avoid a proper assessment of the situation.
3.	NOC from Indian Railways.	No documents are presented by PP.	
4.	Certificate from GSDA	Letter from Senior Geologist that the proposed quarry site is in the recharge zone.	Eastern part of the proposed quarry is in hilly area and can easily be classified as a runoff zone. The conclusion of GSDA cannot be accepted.

After detailed deliberations the Committee arrived at the firm opinion that the large scale quarrying in such an eco-sensitive zone is not desirable and will adversely affect the flora, fauna, bio diversity and the tranquil and verdant landscape of the Khandala Valley.

Further, no study to establish that the quarrying, involving constant and continuous blasting of the rock will not affect the stability of the steep cutting along the Mumbai- Pune Expressway has been presented by the PP. the Committee observed that of late there have been several instances of boulders coming off loose from the steep rock cutting and falling on the carriage way, endangering and obstructing traffic.

The terrain, particularly to the eastern side of the quarry is hilly in nature and can be considered as Run-off zone, the disruption of which can compromise surface/ground water replenishment and destroy perched aquifers.

Considering all there aspects the Committee concluded that it was not durable from an environmental perspective to recommend the project. Hence the Committee decided that the project is recommended for rejection.

Previous consideration: The 124th Meeting held on 30th & 31st March, 2016

Decision: The SEIAA in its 95th meeting decided to refer the proposal to the Committee (SEAC-I) for reconsideration giving justification and also referring to the various requirements applicable for similarly situated cases under EIA Notification 2006 and its subsequent amendments. The Committee was of the view that its earlier stand of recommending the proposal for rejection was based on valid and pertinent reasons. However, also taking into consideration new developments of MSRDC proposing an additional alignments for the Mumbai-Pune Expressway, the Committee decided as follows:

a) MSRDC should give its views on whether the proposed quarries will affect the safety and stability of existing Mumbai-Pune Expressway as well as proposed new alignment from Khopoli interchange to Kusgaon interchange.

b) Director, GSDA to verify the location of the quarries in the geo-hydrological regime, whether it falls in run-off zone/recharge zone/storage zone. The Member Secretary, SEAC-I may write to the Director, GSDA mentioning that Senior Geologist, GSDA, Raigad had already given a certificate stating that the entire quarry area was in the recharge zone.

The Committee decided to reconsider the proposal after receiving MSRDC and Director, GSDA reports as mentioned above. Member Secretary, SEAC-I may ensure that the compliances are received within a month. For compliance of the above the proposal is deferred.

Previous consideration: The 131st Meeting held on 15th & 16th July, 2016

Decision: To study the location of quarry and its impact on the environment following sub-committee will visit the site on 22.7.2016-

- 1. Shri. T. C. Benjamin, Chairman
- 2. Shri. B. H. Sehgal, Member
- 3. Shri. C. I. Sambutwad, Member
- 4. Prof.(Dr.) Ramesh Dod, Member

The report of the sub-committee is enclosed as Annexure 1. The item was deferred for further discussion.

Chairman

"Annexure 1"

Visit report: M/s. Robo Sillicon Pvt. Ltd.

Date- 22.7.2016

Pursuant to the decision taken in the 131st meeting a sub-committee comprising of following members visited the M/s. Robo Silicon Pvt. Ltd. at Village- Khanav, Taluka-Khalapur, Raigad on 22.7.2016 to study the location and possible impact of quarrying on environment:

- 1. Shri. T.C.Benjamin, Chairman
- 2. Shri. B.H.Sehgal, Member
- 3. Shri, C. I. Sambutwad, Member
- 4. Prof. (Dr.) Ramesh Dod, Member

The sub-committee were accompanied by the PP, DMO and other Revenue Officials.

After detailed discussion the sub-committee made the following observations:

- The guarry is situated at the distance of 7.14 km from the nearest point on the I. existing Mumbai-Pune expressway, where the cutting starts on the expressway. Similarly, it is situated at 7.14km from proposed alignment of 'missing link' of the expressway. The team observed that the assessment report conducted by the Prof. T. N. Singh, IIT Mumbai on impact of blasting operation had only considered less than 5.4km distance for assessment. The impact of blasting shall be carried out in terms of peak particulate velocity (PPV). Prof. Singh was requested to study the issue from following two perspectives
 - a) Distance 7.14 km from proposed site may be considered.
 - b) The cumulative stress experienced at the closest point on the Expressway as also to the proposed 'missing link' should be assessed on the basis of total no. of discrete blasts required to remove entire quantum of rocks which can be sourced from quarrying. This study on the cumulative stress shall be presented when the Committee takes up the matter in the next meeting.
- The Committee observed that there will be hill cutting involved in about 40% of IÎ. land proposed for quarrying. The impact of hill cutting on geo-morphological regime need to be independently assessed. For that Deputy Director, GSDA who had given the certificate that the quarry lies in the Recharge Zone should be invited for the meeting.

The sub-committee desired that the item should be kept in the next meeting for further discussion.



Previous consideration: The 132nd Meeting held on 4th& 5th August, 2016

Decision: The Committee went through the reports of Prof. T. N. Singh, IIT Mumbai and Deputy Director, GSDA. The former has concluded that the vibration induced by controlled blasting expressed in terms of Peak Particulate Velocity (PPV) considered over an incidence of 1000 blasts will not damage any structures surrounding the quarry area and will not have any impact on the cutting on the expressway. The Committee made some rough calculations on number of blasts

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Thairman

required for quarrying to extract150 lakh MT of stone and concluded that a minimum of 2300 blasts will be required using 17kg of Charge explosives. Prof. Singh was requested to recalculate the impact of such 2300 blasts on the rock face of the Expressway excavation situated at a distance of 7.14km.

The representative of GSDA agreed to identify that part of the proposed quarry which has a slope of more than 1:10, so that the geo-hydrological zones can be correctly identified.

Both Prof. Singh and representative of GSDA were requested to submit their report latest by 15th August, 2016and remain present for the next SEAC meeting for further discussion. The item was deferred.

Present consideration 133rd meeting:

As discussed in the 104th meeting, the certain part of the quarry particularly to the eastern side of the quarry is hilly in nature and can be considered as Run-off zone.

Prof. T. N. Singh submitted a report on impact of blasting. He concluded, after the necessary scientific analysis that if controlled blasting is adopted, all structures would be unaffected and vibration induced by controlled blasting expressed in terms of Peak Particulate Velocity (PPV) would be barely felt in the nearest point on the Mumbai-Pune Expressway, where possible dislodgement of rock was apprehended by the Committee.

The Committee thus observed that-

- 1. A part of the proposed quarry lies in the Local Run-off Zone and will be subject to hill cutting.
- 2. Controlled blasting will not adversely affect the structures in the near vicinity, in particular the cutting in the Mumbai-Pune Expressway which is otherwise prone to rock fall.

The Committee deliberated in detail whether the part of the proposed site outside the Local Run-off zone could be recommended for EC for quarrying. The Committee noted that the proposed site was surrounded by 7 ESA villages (as per the Draft Notification of ESA Villages in the Western Ghats) whose fragile ecosystem and bio-diversity were matters of concern. The Committee recalled an earlier consideration of the proposed construction of a dam below the Kas Plateu in Satara District, where, the general consensus was that the Ambient Air Quality could deteriorate due to construction activity, to the detriment of the fragile eco-system of the plateau. The present case definitely poses a bigger risk to the eco-system, since quarrying and subsequent crushing to manufacture artificial sand can spell a greater deterioration of the Ambient Air Quality. On this ground alone, the Committee unanimously feels that quarrying at the proposed site of anywhere in the near proximity of the foothills of Khandala Ghat is not desirable.

Therefore, after detailed deliberations, the Committee unanimously decided to recommend the proposal for rejection once again.

Chairman

Member Secretary

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The brief information of the project as submitted by the PP is as follows:

		Depresed establishment of API manufacturing facility
1	Name of project	rioposed establishinen of All Finandiaetaring facincy
2	Name, address, e-mail &	Nalid. M. Rajan Jiaku Address: Plot No. A. 145/8 TTC Industrial Area Khairane- M.I.D.C., Navi
	Contact number of	Augless. Flot No. A-145/6, FTC moust as Area, Manane Andre Co, Cart
	rroponent	Telenhone number: 022-27572545
		Mohile Number: 9769527555
		Email id: ceo@saitechnharmaceuticals.com
3	Name of consultant	Name: Mr. Raijy Aundhe
5	Name of consumation	
4	Accreditation of Consultant (NABET	QCI NABET Category 5(f) Synthetic Organic Chemical Manufacturing Industry
	Accreditation)	
5	New Project / Expansion	Diversification- Existing building was constructed in 2005-06 (Narolene
-	in existing	Textiles pvt ltd) & used for furniture manufacturing.
	project/Modernization/	
	Diversification in exiting	
	project	1 111 1 111 1 1 1 1 1 2005 0C (Narahara
6	If expansion/	Diversification-Existing building was constructed in 2005-00 (Narolene
	diversification, whether	I extres pvt ha) & used for furniture manufacturing.
Į	environmental clearance	
	has been obtained for	
	existing project (if yes,	
	compliance table)	
7	Activity schedule in the	5(f)- B
'	EIA Notification	
8	Area Details	Total plot area (sq. m.): 3000 sq.m.
		Built up area (Sq. m.): 2994 sq.m (Existing)
		Green Belt 211 sqm
		Parking area 64 sqm
9	Name of the Notified	TTC Industrial Area
	Industrial area / MIDC	
	area	114th SEAC mosting dated 21st November 2015 item no. 25
10	IUK given by SEAC?	1 114" SEAU meeting dated 21 November 2015 from no. 25
1	(11 yes then specify the	
11	Estimated capital cost of	Total estimated project cost: Rs. 4.78 Crores
11	the Project (including cost	Tom series holes con the second
1	for land, building, plant	
	and machinery separately)	
12	Location details of the	Latitude: 19° 5' 38.17"
	project :	Longitude: 73° 1' 16.38"
		Location: Plot No. A-145/8, TTC Industrial Area, Khairane-M.1.D.C., Navi
		Mumbai
		Elevation above Mean Sea Level (metres): 16 m
13	Distance from Protected	Sanjay Gandhi National Park: 12 km to NW
ł	Areas / Critically Polluted	Mangrove along Thane creek about 3.0 km to west side
	areas / Eco-sensitive areas	
	/ inter-State boundaries	Diance refer FLA Chapter 2 for List of Raw materials
14	Kaw materials (including	Fiease teter EIA Chapter 2 for Elst of Naw materials.

						*				
	Process chemicals, catalysts, & additives).									
15	Production details	Sr. No.	Ca	pacity per num (MT)						
			Anti osteoporotic							
		2	Anti-inflammatory, an							
		3	Non steroidal anti-infl	72	MTDA (any					
		4	Antitussive	/2	products to					
		5	Mydriatic, Decongesta	int	he	made at one				
		6	Anti-depressive disord		niade al one					
		7	Antitussive		,					
		8	Drug intermediate &							
		9	Sedative, Hypnotic							
		10	By product (Spent Sol	vent)	144	4 MTPA				
16	Process details / manufacturing details	Please	refer EIA Chapter 2 fo	r process and man	facturing details.					
17	Rain Water Harvesting	Level	of the Ground water tab	le:						
	(RWH)	Size ar	nd no of RWH tank(s) a	nd Quantity:						
		Locatio	on of the RWH tank(s):	 Outentiteur						
		Size, n	os of recharge pits and	Quantity:)					
10	Total Water	Total	vater requirement: 37	CMD (26 cmd f	resh + 11 cmd red	evcle)				
10	Requirement		water requirement. 57			uyele,				
	Requirement	Fresh	water (CMD): 26 Sour	ce: MIDC						
		Recvel	ed water (CMD): 11							
		Use of	the water:							
		Domes	stic (CMD): 3 (Fresh)							
		Indust	rial cooling / boiler feed	1 (CMD) : 20 (Free	sh 12 + Recycle 8))				
1		Proces	sing (CMD) : 11 (Fresh	ı)						
		Garder	ning (CMD) : 3 (Recyc	le)						
19	Storm water drainage	Natura	I water drainage pattern	:						
		Quanti	ry of storm water:							
20	Sawage generation and		t of sewage generation	(CMD) · 2 cmd						
20	treatment	Propos	ed treatment for the sev	vage: Sewage will 1	be treated in comb	ined effluent				
	ucament	treatme	ent plant along with trac	le effluent.						
		Capaci	ty of the STP (CMD) (I	f applicable): NA	L					
21	Effluent characteristic		Parameters	Inlet effluent	Onder	Effluent				
		Sr.	(pH, BOD,	Characteristic	effluent	discharge				
		No.	COD, heavy	(Total Process	Characteristic	standards				
			metal, etc)	Effluent)		(MPCB)				
		1.	рН	6.0-9.0	6.5-9.0	6.5-9.0				
		2.	TSS (mg/l)	150	<100	<100				
		3.	BOD(mg/l)	2500	<100	<100				
		4.	COD(mg/l)	5000	<250	<230				
		1.3-	UII and Grease	<10 (CMD): 121	1 < 10	<u>\10</u>				
22	ETP Details	Amou	nt of enduent generation	1 (CMD): 12 cmd						
		Amou	ity of the ETP (CIVID):	15 ciliu voled (CMD)+ - N	;1					
		Amou	nt of water send to the f	FTP (CMD) - 12	emd					
		Memh	ership of the CETP (If)	require): CETP lett	er enclosed as Am	nex 4.2				
22	Note on FTP technology	Refer	EIA for details (Seperat	ion of High Organ	ic Stream→ steam					
	to be used	strinni	$ng \rightarrow oxidation \rightarrow Collection$	tion tank where m	ixed with other eff	fluents				
		(scrub)	ber/CT blowdown sewa	ge etc)> Aeration	Tank-→ Secondar	y settling -→				
		Pressu	re sand filter filter > Ac	tivated charcoal fil	ter > Treated efflu	ient collection				
		tank →	sent to CETP)							
24	Disposal of the ETP	ETP s	ETP sludge will be disposed off to TTCWMA. Navi Mumbai.							

Chairman

	sludge (If applicable)													
25	Solid waste Management	Categ	зогу	Type of hazardous waste						Quantity		Disposal		
		35.3		Chemical sludge from waste water treatment						1000 kg/Month		СНУ	VTSDF	
		28.3		Spent	carbo	n				750 kg/M	onth	CHV	WTSDF	
		20.3		Distill	lation	resid	ue	<u> </u>		1500 kg/Month		CHWTSDF		
												МРСВ		
		28.6		Conta	minate	ed Sc	lvents			2000 kg/Month		auth parti CHV	authorized parties or CHWTSDF	
		33.1		Disca	rded c	ontai	ners/barre	ls/line	ers	As per generation	l	Sale autho party	to orized /	
		If waste(s) contain any hazardous/toxic substance/ radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures. Hazardous waste will disposed off safely to CHWTSDF. What are the possibilities of recovery and recycling of wastes? — Possible users of solid waste. — Method of disposal of solid waste. —												
26	Atmospheric Emissions (Flue gas characteristics	Sr.	P	Pollutan	t	Sou of	rce		Em rate	uission e	Cor in f	Concentration		
	SPM, SO2, NOx, CO, etc.)	NO.				Em	ssion		(kg/hr) (/m ³)		
		$\left \begin{array}{c} 1 \\ 1 \end{array} \right $		SPM		Boi	er		727 Nm3/hr		<15	(150 mg/Nm ³)		
		3	- 3 F	<u>302</u> 1Cl		Scrubber		<		< 3	35 ppm			
27	Stack emission Details:								·	1. ~				
	(All the stacks attached to process units, Boilers, captive power plant, D.G.	Sr. No.	Stac attac to	ck ched APC syste		m	Height in Mtr.	Type of fuel	e	Quantity	% sulp	hur	So ₂ (kg/day)	
	Sets, Incinerator both for existing and proposed	1	Boi	ler Stac		ĸ	30	FO		1700 Kg/Day	4.5		153	
	the specific section to which the stack is attached	2	Ргос геас	cess tor	Alka scrut	li ber	16	-		-	-		-	
	E.g.: Process section, D.G. Set. Boiler, Power Plant.	3	Solv scru	vent ibber	scrut	ber	16	-		-	-		-	
	incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO ₂ , NO _x	4	DG	set	Stacl	c	4 Feet above shed	HSD)	15 Lit/Hr	-		-	
	etc. should be specified													
28	Details of Fuel to be used:	Sr. No	Fı	ıel		Co	onsumptio	n	9	% Sulphur				
			Fi	uel Oil		170	00 kg/day			< 4.5%				
		Source	ofF	uel: Lo	cal Si	ipplie	STS							
	r	Mode	ofTr	ansport	ation o	of fue	l to site: I	3y Roa	ad					
29	Energy	Power	supp	ly:	•									
		Existin	g pov ed na	wer required	uireme	ent: I	NII 550 KVA							
		DG set	s:		1									
		Numbe	er & (capacity	y DG :	sets t	o be used	(prop ble er	osed	l): 1 no. of	200	KVA	capacity	
30	Green Belt Development	Green	belt a	irea (So	. m.):	211.	5 sq.m		icigy	r proposeu	10 00	L USEC		
	1	Numbe	r and	specie	s of tre	es to	be plante	d: Suit	table	trees will	be pla	inted f	or green	
		belt.		a	nd c=-	nica	of trace to	h a awa	• •	ne to ha t	nonla	ntad.		
		inminde	a, siz	r, age d	na she	rico -	or nees to	DE CUI	ւ, ս Ե	co io de ira	uspia	nicu.		

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31	Details system	of Pollutic	on control	Sr	 Pollution system for 	control or	Proposed to be in	stalled			
				1	Air		Stack for boiler, s	crubber fo	or process vent	s	
				2	Water		In plant control +	Effluent t	reatment plant		
				3	Noise		Enclosure/ PPE				
				4	Solid Wa	ste	Dispose to CHW authorized recycle	TSDF & N ers	АРСВ		
32	Environ	menta] ment plan		Car O&	pital cost (With br M cost (With bread	eak up): ak up):					
	Budgeta	ry Alloca	tion	0	Environmental (Controlling	Capital O&M				
	2 408-1-				Measure		Investment	Cost/	Annum		
							(Rs. In Lakhs)	(Rs. I	n Lakhs)		
					Air Pollution Co	ntrol	10	2			
					Environment Mo	onitoring	3	2			
					Water Pollution	Control	40	3			
					Hazardous waste management	aste & Solid waste 5 2					
					Green Belt Deve	elopment	2	0.5			
					Occupational He	alth & Safety	3	1.5			
					Social welfare &	upliftment	3				
					Total		66	11			
33	EIA Sul submit (bmitted (1 he salient	f yes then features)	Per Det san Det MF Pot	tiod of data collect tails of the primary nple collection, nu tails of the second PCB Data same pe tential hazard and nclusion of the FL	ed: Oct- Dec 20 y data collection mber of visit, etc ary data collection riod as Primary of mitigation measu A study: - No ma	15 (i.e. location of the c): 6 stations on (i.e. Source and data ures: Refer EIA r aior impact on envi	e year of da eport ironment	ata): CPCB and	i	
24	39 Stor	rage of ek	omicals	(inflan	nciusion of the EL	e/hazardous/tox	ric substances)				
.54	30. 310	age of Cl	ICHICAIS	(យោគា	amabic (capitoly	G HAZAI GOUS/ (U)	ii substances)				
	Sr.	Name	Number	Capac	ity Physical and	Consumption	Max Qty of	Source	Means		
	No.		of		Chemical	(in TPD)	storage at any	of	of		
			Storages		Composition		point of time	Supply	transportati	on	
	1	Furnace oil	1	4 m3	liquid	1700 kg/day	3 m3	Local	Tanker		
	Other	chemicals	such as s	olvents	s and others will b	e stored in drums	s/ carboys & kept i	n storage	area.		

The Committee noted that the project was considered under category 5 (f) B1 of the schedule of the EIA Notification, 2006. The PP gave a detailed presentation of their new project of manufacturing of API to the extent of 72 MT/A. ToR was granted in the 114th meeting.

After detailed discussion the Committee observed as follows:

1. The project site is limited to 3000 sq. m. in area. This poses limitations in providing requisite parking and green belt as per the DC Regulations of MIDC. The Committee agreed to the PP's proposal to provide green belt in MIDC area outside the plot (200 sq. m). Requisite permission of MIDC in this regard shall be submitted. Parking (360 sq. m.) will be provided

on plot area A-145/8 of TTC MIDC, Navi Mumbai. The agreement with the owner of the plot shall be made. No on-street parking shall be allowed.

- 2. The PP proposes to manufacture 9 discrete therapeutic products and has committed to manufacture <u>maximum 2 products at a time</u> limiting the production to 6 MT/M. The PP has also committed to recover 12 MT/M of solvents like Ethanol, Methanol, MDC, Isopropyl alcohol and Toluene. These solvents shall be recovered and reused in the process, thereby totally obviating the need to dispose them off to vendors. Contaminated/ residual solvents need to be sent to the CHWTSDF.
- 3. The emission management will be effected through stack of height 30m for the FO fired boiler of capacity 850 kg/hr.
- 4. The PP elaborated the process of effluent management which envisages maximum recovery of solvents and treatment of high COD stream before sending the effluent to CETP at TTC MIDC.
- 5. The PP has carried out Risk Assessment and Risk Management Studies. There will not be any incidence of off-site emergency, since solvents will be stored on plot no. A-145/8 of TTC MIDC, Navi Mumbai. Fire NOC for this plot may be taken. Various hazard management facilities provided by the PP are depicted in the *Annexure 2.1*.

The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. The Committee therefore decided to **recommend** the project for **EC** subject to the observations (1-5) above.



Chairman

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	- $ -$
	1. 我们的时候,我们就能说了一口,我们就是你们的时候,我们就能能说,我们就能能说了。你们的你的时候,我们就能能说了。你们的你们就能能能能能能能能能能能能能能能能能能。你们就能能能能能能能能能。"
and the second se	
• An international and the first of the strength of the str	,我们们还是我们的你们的,你们还是我们的你们的你,你们还是你的你的你的你的你,你们还是你们的你们,你们还是你们的你们,你们们们们们不能能能不能能能能能能能能能能能
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E	

The PP brief information of the project as submitted by the PP is as follows:

1.	Name of the project	FILTRA CA	TALYST & CHEMICALS LTD
	1 3	Proposed Ex	pansion in the products capacity
		Plot No. B-5	2/3, MIDC Lote Parshuram Lote Khed Ratnagiri Maharashtra-415722
2.	Name, address, e-mail &	Name	FILTRA CATALYST & CHEMICALS LTD.
	contact number of Proponent		Mr. Subodh Deshpande
	•	Address	Plot No. B-52/3,MIDC Lote Parshuram, Village Lote, Tehsil -
			Khed, Dist Ratnagiri, Maharashtra- 415722
		Telephone	02356-272186/ 273014
		Mobile	909930812401
Í		Email ID	sdeshpande@filtraindia.com
3.	Name of Consultant	Name	Mahabal Enviro Engineers Pvt. Ltd.
			Sachin Gore/Priyanka Shinde/Pradnya Bagul
4.	Accreditation of consultant	QC1 NABE1	List for the construction project
	(NABET Accreditation)	EIA Consult	ant for
		(Letter by N.	ABET/EIA/11/11/0033)
		Sector 1	Mining of minerals including Open
			cast / Underground mining
		Sector 4	Thermal Power Plants
		Sector 8	Metallurgical industries
			(ferrous & non-ferrous)-both primary &
			Secondary
1		Sector 9	Cement plant
		Sector 31	Industrial estates/ parks/ complexes/
			Areas, export processing Zones
			(EPZs), Special economic zones
			(SEZs), Biotech Parks, Leather
			Complexes
		Sector 32	Common hazardous waste, Waste treatment, storage and disposal
			facilities (TSDFs)
		Santar 29	Building and large construction projects including shopping malls
		Seciol 36	Multipleves, commercial complexes, housing estates, hospitals
			institutions
		1	
		Sector 39	
1		Township an	nd Area Development projects
The	Report was validated by Oasis E	nvironmental I	Foundation accredited for synthetic chemicals (Accreditation No- 21)
5.	New project/Expansion in	Expansion o	f Project. Increase in production capacity
	existing project /		
	Modernization /		
	Diversification in exiting		
	project		
6.	If expansion /		
	Diversification, whether	Not Applica	ble
	environment clearance has		
	been obtained for existing		
	project (If yes, enclose a copy]	
	with compliance table)	-	
7.	Activity schedule in the EIA	Schedule 5 (f)-B1

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	notification						•			
8.	Area details	Detai	ls	E	xisting	Proposed	Total			
		Total (m ²)	plot area	17	7672	0	17672			
		Dedu	ction (m ³) 0		0	0			
		Net p	lot area (1	m ²) 17	7672	0	17672			
		Permissible FSI area (m ²)		⁵¹ 10)603		10603			
		Propo (m ²)	osed FSI a	area 70)53	109	7162			
9.	Name of the notified area / MIDC area	Lote Pa	arshuram,	, MIDC	DC area					
10.	TOR given by SEAC? (if yes then specify the meeting)	Yes ,1 19th, 2	14 meetin 0th & 21s	g of SEA st Noven	AC comm nber, 201	ittee held on 5				
11.	Estimate the capital cost of the project (including cost for land, building, plant & machinery separately)	Sr.	Head		Present Capital (lakhs)	t Capital for Expansion (lakhs)	Total Capital After Expansion (lakhs)			
		1.	Land			0	0			
		2.	Building	g		0	0			
		3.	Plant & Machin	ery		70				
		4.	Office S	Set-Up		0	0			
		5.	Laborat	огу		0	0			
		Total			913	70	983			
12.	Location of the project	Lanut	ude		73029'	57.542 N				
		Locatio	on		Village Lote, Tehsil-Khed, Dist Ratnagiri, Maharashtra, 415722					
		Elevati Sea Le	on above	Mean	513 m					
13.	Distance from the protected areas / Critically Polluted areas / Eco-sensitive areas / inter-State boundaries	No crit radius.	ically pol	luted are	a, no nat	ional park/wildl	ife sanctuary within	10 km of the		
14.	Raw Materials (including	F		(A) (<u> </u>	- h c - C	_		
	additives) – Total	List of	raw als o be	Quantif (Mt/mor	y 1th) full	source of materials	transportation			
	(Existing + Expansion)	used		producti capacity (Mt/mor Total (E Expansi	on hth) xisting +		(Source to stora) site) with justification	ze		
		ISOPH	IORONE	168		SI Group India, Arckema Franc Deggusa Germany	By road./By Sea e, .Earthing,Flame arrestor, dyke w Fire hydrant system Provided	all,		
		Caustio Lye	c Soda	35		Dealer	By road. Dyke wall, Brich lining acid &alk proof, Fire Hydrant System provide.	k ali		

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		Toluen	e Acid 45		De:	aler aler		By road. Dyke wall, Brick lining acid &alkali proof, Fire Hydrant System provide By road. Earthing,Flame arrestor, dyke wall, Fire hydrant system Provided.	
15.	Production details	Sr. No.	Product Nar	ne	Exist (TPA	ing ()	Proposed (TPA)	Total Production Capacity (TPA)	
		1	3,5- Xyleno	l 	600		600	1200	
		List of Sr. No.	raw material Product Nar	required	Exist (MTI	ting PA)	Proposed (MTPA)	Total Production Capacity (MTPA)	
		1	Isophorone		84		84	168	
		2	Caustic Sod	a Lye	22.5		12.5	35	
		3	Sulfuric Ac	d	27.5		17.5	45	
		4	Toluene		5.0		2.0	7.0	
16.	Rain Water Harvesting (RWH)	Propos	ed		<u> </u>		•		
17.	Total Water conservation	Total v Source	water requiren :: MIDC Taraj	nent: 60 n pur water	13/day supply	,			
		Sr. No	. Description	Ēxistin, Water Consur (m ³ /day	g nption /)	Addit Water Consu for Ex (m ³ /d	ional Imption (pansion ay)	Total Proposed Water Consumption after Expansion (m ³ /day)	
			Cooling water of the process with circulation pump	65M		0		65	
			Cooling water required per day for	1580		0		1580	
		3	Evaporation losses 2% Process wat	31.3 er		0		31.3	
L		4	requirement	11		<u>0</u>	5 (μι] · _	
Mem	her Secretary		Page 14 of	58			イー Chaif	man	

				— — — — —				1
			Plant					
		5	requirem	ent 01	0		01	
		1	Water		— <u> </u> —			1
			requirem	ent			_	
		6	for boiler	· <u>5</u>	0		5	4
			Total wat	ter for				
			the plant					
		7	(3+4+5+	6) 48.20	0		48.20	
			Water					
			requirem	ent og			0.2	
		ĕ	Domestic	ning 02	· · · · · ·		V2	-
		9	requirem	ent 10	o		10	
			Total wa	ter			· · · · · · · · · · · · · · · · · · ·	1
			for the					
		10	<u>unit(7+8</u>	+9) 60.20	<u> </u>		60.20	4
			Kounded	off st 60		0	60	
18	Storm water drainage	Natura	l water dr	inage nattern	Open Dra	inage all ar	ound the plant	
10.	Storini water drainage	Quanti	ity of storn	1 water:	F		1	
		Size of	f SWD:					
<u> </u>		A			. 9 m3/da		. <u> </u>	·
19.	Sewage generation and treatment	Amou Propos	nt of sewaį sed treatme	ge generation	: a m/day /age: Sentic	c Tanks and	STP provided	
	neannein	Capac	ity of STP	(CMD) : 13 n	n ³ /day	wild	F	
			-	-	-			
20.	Effluent characteristic	Sr 1	Parameters	Inlet efflue	ent C	Dutlet	Effluent Dischar	ge Standards
			(pH, BOD,	characteris	tic e	ffluent	(MPCB)	-
			COD,		c	haracteris		
			heavy		ti	ic		
		$ \frac{1}{1} $	oH	6.5 - 7.5	7	·.8	5-9	
		'	r =					
		2	SS	<200	2	24	100	
		3	BOD	<1500	1	0	Less than 30	
		$ \downarrow \downarrow$				0	L	<u></u>
		4	COD	<8000	4	NV I	Less than 250	
		5	0&6				10	
		[,] '	U a U				10	
		6	TDS	<5000		940	2,100	
		7	Chloride	<1000	1	5	600	
		8	Sulphate	<1000	3	63	1,000	
21.	ETP details	Amou	nt of efflue	ent generation	:			
				Fristing	Proposed	Tota	1	
		Em	ant	17 m ³ /day	0 m ³ /day	17 m	³ /dav	
		Gene	ration	17 m /uay			, ,uay	
1								
					L	I	. <u></u>	

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		Amo	unt of treate	d effluent re	cycled: 2 -	3m ³ /day	Amoun	t of water				
		sent	to the CETP	': 10-12 m3	/day							
22	Note on FTP Technology to	Equa	lization Tar	$\frac{\text{ne} \text{CETP}(y)}{\text{ok} + \text{Sand Be}}$	require). 1 ed +Resin F	es Red 1 + Resin Be	d 2 Sand Bed	+ Carbon				
22.	be used	Bed	+Treated E	ffluent Tank	+Effluent	Storage Tank +	Sent to CETH)				
23.	Disposal of the ETP sludge (If applicable)	Mun	ibai Waste M	Management	Authority	(MWMA)						
24.	24. Solid waste Management		Method of disposal of solid waste: Deposited with MWMA Detailed quantification of solid waste generated is provided below:									
		Šr. No.	Туре	Source	Consent Qty. MT/ Annum	Collection and storage	Transport	Disposal				
		1.	Distillation Residue	Distillation	30	Collected in MS Drum & Stored in Identified area	2.3	6.2				
		2.	Spent catalyst	Reactor	2.5	Collected in Bags & store in identified area	2	4				
		3.	Sweeping dust	Floor cleaning	10.5	Collected in Bags & store in identified area	2.3	3.8				
		4.	Chemicals containing residue	Distillation	7.2	Collected in Bags & store in identified area	MPCB approvedtran sporter					
		5.	Discarded drums	Raw & Intermediat e Chemical Storage	2400 nos	Generation reduced significantly as the raw	N.A	3.6				
25.	Atmospheric Emission (flue gas characteristics SPM, SO _{2'} NO _x , CO etc.)	 	<u>i</u>	I	<u> </u>	1	1	J				

		Loca	ntion			РМ ₁₀ (µg/m ³	РМ _{2.5} (µg/m ³)	SOz (µg/m³	NOx (µg/m³)	CO (ppm)	nMHC (ppm)	
				Avera	ge	57.9	30.9	22.5	12.8	0.2	0.04	
		Asag	ani village	Maxin	กษณ	80.2	44.2		21.8	0.3	0.08	
				Minim	num	14.2	9.7	17.5	6.3	<u></u>	8DL	
				98‰		78.8	43.3	30.3	20.0	0.3	0.05	
į.				Avera	ge	63.9	33.8	20.2	19.2	0.4	0.03	
1		Awa	shi village	Maxir	ลมก	82.9	48.2	16.1	67	301	BDI	
				Minin	10M	33.7	46.7	319	18.3	0.7	0.12	
				98764 Attern	n é	56.8	74.6	20.6	13.8	0.4	0.0	7
		Chier	uni ulla go	Maxir	<u>85 </u>	77.1	47.5	32.0	21.1	0.6	0.10	
		Chira	na varage	Minin	านกา	23.5	13.3	10.4	6.2	8DL	BDL	
				98%		76.6	47.2	29.1	20.7	0.5	0.12	
		-		Avera	ge	52.2	22.0	21.1	12.4		0.01	
		Kota	wali village	Maxir	ทบกา	75.4	39.3	29.7	21.0	3DL	0.02	
				Minin	ามกา	25.4	9.4	12.4	8.6		BOL	
				98‰		75.3	37.5	28.4	19.4		0.02	
1				Avera	ge	49.1	24.3	21.7	11.4		0.01	
		Saga	on village	Maxi	num	71.7	46.2	30.7	<u>14.1</u>	SOL	BDI	
ļ				Minir	กษุ	26.7	9.1	20.0	22.2	4	0.01	
				98%		65.2	78.9	21.0	12.6	0.7	0.10	
	,			Mavi	<u>"5" _</u>	87.6	45.6	29.7	19.3	1.1	0.18	
		MID	C area	Minir	num	28.1	8.9	13.4	7.2	BDL	5DL	
				98%		86.5	44.3	29.7	18.8	1.1	0.18	3
		NAA	lQ5	24 h	ourty	100	60	R	80	04	N	5
ļ		nor	n	avg						<u> </u>		
		NO	E	NS : 1	Not Speci	ified	BDL : Bel	ow Detect	10n Limit	0/368		
				All Pa	arameter	s are <u>as 24</u>	nour avg	except co		CIARC .		
26.	Stack emission details:									_		
	(all the stack attached to	,			r	S	TACK EN			s Tat	5 \$	6]
	process unit Boiler, Captive	4	Stack numbe	r	2 Kcal/	hrs two T	FH +400	DG1	DG2	DG3	DRYER	ACTIVAT
	power plant, D.G. Sets				kg/hr S	team bol	er + 600				1/2/3	OR 1/2/3
	Incinerator both for existing				Kg stea kcal/hr	m Boser 's Thermic	fluid coai			[
	Incinerator both for existing				boller				- +20	140		
	and proposed activity) Please	c	Capacity		ZLacs⊭ Kg/Hr+	600 Kg/I	400 Hr+6 lac	KVA	KVA	KVA		
	indicate the specific section				Kcal	Devenuent	or/: DO/	METH	H.S.P	H.S.O	H.S.D	H.S.D
	to which the stack is	3	Fuel Type		F.C)./Methar	e/Low	ANE			/Low	/Low
	attached. e.g. Process		L		Boi	lers/High	Boilers	12 24	25	18	20.1875	12.75
	section, D.G. set, Boiler,	e	- Uei guantity -H/}		F.O.	33.33,Lov	Boilers -					
	Power plant, incinerator etc.				t4.16,	. High bail nethaoe 2	ers 11.66, 15.26					
	Emission rate (kg/hr.) for	f	Material of	_	<u>-</u>	M.S		M.S	M.S	M.S	S.5	S.S
	each pollution (SPM, SO ₂ ,		construction			7		Round	Round	Roun	Round	Round
	$N(0_{\rm eff})$ etc. should be specified	n	shape (roun rectanguiar)	d/		AUGUA		Nouna		d		
	NOX) de: should be speethed	h	Height , in (,	above	· · ·	25.5 N	4	1 2	12	12	12	12
			ground level	1	L				L			
'		· ·	Diameter/ Si	ze in		0.40 \	A	0.1	0.12	0.1	0.2	0.2
			Gas quantity		<u>+</u>	5323M ¹	(He	280	900	500	480	305
ļ			Nm³/ Hr			.				1 2 15 0	1.1500	
		k	Gas tempera	iture		115	C	225 C	2/0 0	C 223	11.5 C	
			Exit gas velo	city ,	+-	11.84	<u> </u>	10	16.09	16.02	4.25	7 .7
		ΙĹ	m/sec		L					NA	N.A	SCRUBBI
		"	Control equi preceding th stack:	nent		~11, D/UST C						NG SYSTEM
		n	Nature of pollutants lil present in th	kely to		so <u>s</u> NC	×		SO ₂ N OX	502 NO		502 NO x
			stack gases : Cl2, Nox,Sox etc.	such as s,TPM								
		0	Emissions co system prov	ided		N.A		ŇA	NA	ŇA	NA	NA
		P	in case of D power gene Cap. in KVA	G set ration	1			125 KVA	320 KVA	140 KVA		

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27	Ambient Air Quality Data						
	·	Pollutant	Permissible	Pro	oposed	Remarks	
			Standard	Co	ncentration		
			(in µg/m ³)	(in	μg/m ³)	ļ	
		PM10	100	65.	.2	Within the stand	lard
		PM2.5	60	28	.9	Within the stand	lard
		SO ₂	80	21		Within the stand	lard
		NO _X	80	12	.6	Within the stand	lard
		co	<u> </u>	0.7	, ,	Within the stand	lard
28.	Emission Standard	Pollutant	Permissible	a	Proposed	Remarks	
			Standard µg	(Nm ²	Concentrat		
					10n (ln ua(m ³))		
1		SDM . DM	100		No chrage	All parameter	will be in limit
		3EWI = EWI	100		No enhage	/ m parameter	
			(0)		Nashara		
		KPM – PM	60		No chhage	5	
		2.5	80		No obrage	(
		<u> </u>	80		No chrage		
		NOX	80		No enhage)	
		СО	4		No chnage		
					-		
29.	Details of Fuel to be used						
			<u></u>				
		Sr. Types	of Fuel	Therm	nc fluid heater/	Sulphur	Ash Quantity
		no.		Boller	'() -Jung 1 Stand b	content	
				$\frac{12}{0.6}$ M	T/MT	Less than	250 K gs/day
		I Coai		10.0 W	171911	5%	250 Rgs/day
		2 Brique	ettes	0.62M	IT/MT	Less than	50 Kgs/day
		3 Fuma	e Oil	0.4M1	ſ/MT	Less than	Nil
		4 Low E	soiler used	0.15M	IT/MT	-	
		for act	Ivator Dryer	0.120	<u>т/МТ —</u> —		
		5 Fign i	al fired/	0.12:0	11/3911		-
		thermi	a fluid				
		6 HSD*	Used for	0.18M		Less than	-
		Activa	tor/ Dryer			1%	
		7 Metha	ne Used for	0.53M	IT/MT	-	-
		Coal f	ired boiler/				
		Therm	nic Fluid				
						· · · · -	
20	Enermy	Dower currel	V'				
30.	Energy	Fristing nov	y. ver requireme	nt:500-1	<va< th=""><th></th><th></th></va<>		
		Proposed no	wer requireme	ent: No	Increase		
		Total power	requirement :	500 KV	VA		
	-	DG sets:	-				
		Numbers and	d capacity DG	sets to	be used (existi	ng and proposed):
		Existing: 3	DG Set – 320	kVA, I	40 kVA, 125 k	VA	
		Proposed	- Nill	.	CC0C 1174		
	Course Date Date 1	Iotal:	- 3 DC	J Set of	585 KVA		
31.	Green Beit Development	Green belt a	rea: 7008 M ²	a chaol	es to be planted	-	
		75 nos. which	h includes As	hoka. N	Jango, Bottle p	 alm, Eucalyptus	etc.

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		Nu	mbers, size, age	e and species of trees	s to be cut, trees	to be transplanted: Nil	
32.	Details of Pollution Control System	S r.	Component	Existing Pollution control system	Proposed to b	e installed	
		1	Аіг	wet scrubber	Bag filter		
		2	Water	ETP/Septic tank	Already Instal	lled	
		3	Noise	Ear muffs, ear	Ear muffs, ear	buds and such other noise	
				buds and such other noise prevention equipments	prevention eq Green belt are	uipment provision of ea: 7068m ²	
		4	Solid Waste	Mumbai Waste Management Authority (MWMA)	Mumbai Waste Management Authority (MWMA) Empty Carboys / Containers will be returned for refilling.		
33.	Environmental Management plan Budgetary Allocation:	Bud bel	dgetary allocati ow:	on of EMP for Exist	ing and propose	ed expansion is provided	
				O & M cost/Ar Rs in Lakhs	^{nnum} Capital I	nvestment	
		Sr.	Component Air pollution	Existing Prop	osed Existing	Proposed	
		1	control Environment	<u>2.5</u> Nil	.16	6	
		2	Monitoring Water Polluti	I.5 Nil		1 <u>.</u>	
		3	Control Hazardous w	3.5 Nil	.19	10	
		4	& Solid was Management	ste <u> </u>	4	Nil	
		5	Development Occupational	1 Nil		Nil	
		6	Health & Safe	ty 1.5 Nil	1	Nil	
		7	up lift ment	1 Nil	.1	Nil	
			Total	12 Nil	40	17	
34.	ElA submitted (<i>If yes then</i> submit the salient features)	We	have submitte	d the corrected copy	of EIA report		
35.	Public Hearing report (If public hearing conducted then submit the salient features)	The Lot Ma Na Cop Lot Nu Ob	e project is exer- te Parshuram , a harashtra. me of the news oy): Not applica cation of the pu mber of public jection(s) / Sug	mpted from Public H as per Regional Deve paper in which the a able ablic hearing: Not ap attended the hearing gestion(s) if any: Not	learing as it is le elopment Plan a dvertisement ap plicable g: Not applicable ot applicable	ocated in MIDC Area of approved by Government of opeared (Please attach the e	
36.	Air pollution, water pollution issue in the project area, if any	No					
37.S	torage of chemicals (inflam	imal	ole/explosive	e/hazardous/toxic	substance)		

1~ Chairman

Sr	Liquid	M.O.C	Capacity (MT)	Volume (M3)	Diameter (M)	Height (M)	Safety Features
1	Isophorone	MS	23	27	80	6.2	Earthing,Flame arrestor, dyke wall, Fire hydrant system Provided
2	Caustic Soda	MS	15	12	1	4	Dyke wall, Brick lining acid &alkali proof, Fire Hydrant System provide
3	Sulfuric Acid	MS	$\frac{1}{23}$	16	10	3.8	Dyke wall, Brick lining acid &alkali proof, Fire Hydrant System provide
4 	Fumace Oil	MS	15	19	20	3.6	Earthing,Flame arrestor, dyke wall, Fire hydrant system Provided

The Committee noted that the project was considered under category 5 (f) B1 of the schedule of the EIA Notification, 2006. The PP gave a detailed presentation of the EIA report. The PP desires to enhance the capacity of 3, 5 Xylenol from 50 MTPM to 100 MTPM in the plant premises.

After detailed discussion the Committee made the following observations:

- 1. The PP shall provide minimum 2400 sq.m for parking and shall so designate it in the layout diagram.
- 2. The PP envisages that there will be no increase in intake of water and no effluent generation in spite doubling the production; this will be achieved by changing the technology. (The PP shall be employing centrifuge and crystallization for this purpose.) The Committee studied these processes in detail while there is no increase in effluent load, the effluent management should include Phenton/ H₂O₂/ Chlorine Dioxide to mineralize 2, 5- Xylenol before discharging it to the CETP. Effluent treatment process envisages sand bed, resin bed and carbon bed to reduce COD from 5500 mg/l to 200 mg/l. The capacity of the ETP shall be 25 m³/day.
- 3. The flue gases from the boilers and thermopacks shall be passed through bag filters and stack of height 32m to achieve a TPM of less than 100 mg/Nm³.

The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. The Committee therefore decided to **recommend** the project for **EC** subject to the observations (1-3) above.

Member Secretary

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Chairman

Item no. 4	M/s. Gangakhed Sugar & Energy Ltd
	Modernization & Expansion of Sugar Unit from 6000TCD to 8500 TCD at Vijaynagar Makhanikodri road, Gangakhed District- Parbhani

The brief information of the project as submitted by the PP is as follows:

1.	Name of Project:-	Expansion of Sug TCD 10 8500 TCD Vijay Nagar, Mak District – Parbhan	Expansion of Sugar Unit & Bagasse Based Cogeneration Power Plant from 6000 TCD 10 8500 TCD and 30 MW to 50 MW Vijay Nagar, Makhani Kodri Road, Gangakhed, District – Parbhani Maharashtra - 431514							
2.	Name, address, contact number & address of Proponent:-	Name: Mr. R.M. Address: Vijay I District – I Office No : 02453 Fax: No.02453-20 Email: info@gan	Name: Mr. R.M. Gutte, Chairman Address: Vijay Nagar, Makhani Kodri Road, Gangakhed, District – Parbhani Maharashtra – 431514 Office No : 02453-202777 Fax: No.02453-202777 Fax: No.02453-202777							
3.	Name of Consultant	MITCON Consult	ancy & Engineering	g Services Lto	1.					
4.	Accreditation of consultant (NABET Accreditation)	Accredited as cate	gory 'A' Consultan	it						
5.	New Project / Expansion in existing project/ Modernization/ Diversification in exiting project	Particulars Sugar Unit Cogen	Existing 6000 TCD 30 MW	Ex 25 20	pansion 00 TCD MW					
6	If expansion/ Diversification, whether environmental clearance has been obtained for existing project (If yes, enclose a copy with compliance table)	Yes, GSEL has secured environmental clearance for the existing sugar and cogeneration plant from MoEF vide letter no. F.No. J-11011/1272/2007-IA II (I) dated 16/10/2008.								
7.	Activity schedule in the EIA Notification	<u>Sugar :</u> 5(j) <u>Cogen Power :</u> 1(c	i)							
8.	Area Details	Total Karkhana A Industrial Activity Proposed Cogen A	rea : 200 Acre Area : 22 Acre Area : 6 Acre							
9.	Name of the Notified Industrial area / MIDC area	NA.								
10.	TOR given by SEAC? (If yeas then specify the meeting)	Yes, 114th meeting of t	SEAC –I held 19th,	20th & 21th 1	November 2015					
11.	Estimated capital cost of the Project (including cost for land, building, plant and	Particulars Site Development	nt	Cogen Project 25	Sugar Expansion 0	Total				
	machinery	Civil works & B	uildings	1035	1336	2371				
	separately)	Indigenous Plant	and Machinery	8736	5695	14431				
		Other Fixed Ass	ets	226	0	226				
		Preliminary & P	re-op. Expenses	555	363	918				
		Contingencies		211	148	359				
		working capital 0 0/0 6/0 Tatal 10788 8212 10000								
				10/88	0212	17000				

Chairman

12.	Location details of	Latitude	: 18º 54	4' 18.22'	'N				
	the project :	Longitude	: 76 º 4	43' 40.43	"Е				
		Location	Vijay l	Nagar, M	akhani Kodr	i Road, G	angakhed,	,	
		Dis	strict – Pa	arbhani N	<u> 1aharashtra –</u>	431514		<u> </u>	
13.	Distance from Protected	There are	no Protec	ted areas	: / Critically p	polluted a	reas / Eco-	-Sensitive areas/ inte	er-
	Areas / Critically Polluted areas	state bound	Jaries wi		m radial are	a			
	/ Eco-sensitive areas								
14	Raw materials (including	Raw	Produ	ct	Byproduc	Quantity	1		
17.	process chemicals, catalysts, &	Material	1 IOUU		t/ Waste	Existin	Expa	Total	-4
	additives).				Product	g	nsion		
	ŕ	Sugarcan	White		Bagasse	¥		380800	7
		e 13.60	Crysta	ıl Sugar	Molasses	38400	16000	54400	
		Lakh/			Press	38400	16000	54400	
		MT /			mud				
		season							_
		Bagasse	Seaso	n: 50	Ash	Bagasse	:	7195	
			MW			EXISTING	; Asn:		
			20 M	W		Fynansi	on Ash		
			20 141			-1680 M	IT		
						Coal:			
						Existing	ash:		
						989 MT			
						Expansi	on ash:		
						494MT		<u> </u>	
15.	Production details	Particula	TS	Existin	g Capacity	P	oposed Ca	apacity	
		Sugar Ur	it	6000 T	CD	25	00 TCD		
		Cogen		30 MW	r	20	MW		
16.	Process details /	Sugar: Cru	shing of	Sugarca	ne - Juice Cla	arification	ı - Crysta	llization – Centrifug	;e -
	manufacturing details	Drying Gr	ading An	d Baggir	g				
		Cogen: In	power ge	neration	scheme, che	mical ene	rgy of fue	I is first converted in	nto
1		inermal en	ergy (au	ing com	oustion), whi ad finally int	o alactric	converted	through a generator	、
17	Rain Water Harvesting	In the facto	orv prem	ises roof	ton area will	be detern	nined and	subsequently rain	<u>,.</u>
17.	(RWH)	water harv	esting po	tential w	ill be calcula	ted. How	ever detail	led design and	
		engineerin	g of the H	RWH sys	tem will be u	indertakei	i during ir	nplementation stage	
18.	Total Water Requirement	Total Wate	r Requir	ement :	958 M³/day				
					Existing M	³ /day	Exp	pansion M ³ /day	
		Sugar			758.36		245	5.98	
		Cogenera	tion		1200		850	<u>) </u>	
		Source 24	noli Der		1938		1 109	3.78	
10	Storm water drainage	Proper stor	asun Dar m water	u drainaga	line will be	nrovided	o maintai	n the natural flow of	f
17.	Storm water trainage	storm wate	n water	aramage	ane will be	promucu	.o mannai		•
20.	Sewage generation and	Amount of	sewage	generatio	on (CMD) :	·······			
	treatment	Existing 10) & Expa	insion 5	· · ·				
		Proposed t	reatment	for the s	ewage : Gene	erated sev	vage is be	ing treated in ETP	
		Capacity o	f the STI	• (CMD)	(If applicabl	e): NA			
21.	Effluent characteristic	Sr. Pa	rameters	Inle	t effluent	Outl	et effluent	Effluent	
		no		Cha	racteristics	Char	acteristics	5 Discharge	
1								Standards (CDCD)	
				E	5.5	7 75			_
			$(m\alpha/1)$	210	0	422		-	
			S(mø/l)		0	30		200	
		4 BC)D(mg/l)	110	<u> </u>	22		100	
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							

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		6	Oil & Grease	110	6	10				
22.	ETP details	Amount of effluent generation (CMD): Sugar: Existing 548 M3/day & Expansion 158.48 M ³ /day Cogeneration: Existing 430M3/day & Expansion 152 M ³ /day Capacity of the ETP (CMD): Existing 720 M3/day & Expansion :1300 M ³ /day Amount of water send to the CETP (CMD) : NA Membership of the CETP (If require) : If yes then attach the letter submit the letter : NA								
23.	Note on ETP technology to be used	Activa	ted Sludge proce	SS						
24.	Disposal of the ETP sludge (If applicable)	Genera	nted ETP sludge e	used for green be	It development and	bio-composting				
25.	Solid waste Management	Sr. No	Source	Qty	Form (Sludge / Dry Slurry etc.)	/ Composition				
		1.	Raw water Treatment plan	 t						
		2.	ETP	7MT	Sludge	NPK				
		3.	Process Spent Catalyst	Bagasse Existing As 4032MT Expansion A : 1680 MT Coal: Existing asl 989 MT Expansion a 494MT Press mud; 38400 MT 16000MT= 54400MT	Dry h: Semi-solid Ash n: ash: +	Silica Nutrient for soil				
		5	Oily Sludge							
		6.	Others like Battery waste, e waste etc (Pl. Specify)							
26.	Atmospheric Emissions (Flue gas characteristics	Concer	ntration in flue g	as will be 100 m	g/Nm ³					
	SPM, SO ₂ , NO _x , CO, etc.)	Sr. No. 1	Pollutant PM	Source of Emission Stack	Emission rate (kg/hr) 0.432	Concentration in flue gas (g/sec) 0.12				
		2	SO ₂	Stack	18.36	5.1				
		3	NO _X	Stack	19.44	5.4				

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Chairman

	· · · · · · · · · · · · · · · · · · ·											
27.	Stack emission Details: (All the stacks attached to process units, Boilers, captive power plant, D.G. Sets. Incinerator both for		Plant Sectior & units	1	Stack No.		Height from ground level	In D (1	ternal iameter Top)(m)	Emission Rate (kg/hr)		Temp. of Exhaust Gases (°C)
	existing and proposed						(m)					
	the specific section to		1 x 100	x 100			74	3.	3.5			150
	e.g.: Process section, D.G.		<u>TPH B</u> DG Se	t t	1		5	-		-		450
	Set, Boiler, Power Plant, incinerator etc. Emission		1 X 32 kva	0								
	rate (kg/hr.) for each pollutant (SPM, SO2, NOx, etc. should be specified		2 X 10 KVA	00	2		7	-		-		450
28.	Details of Fuel to be used:		Sr. No	Fuel		Dail Con (TP)	y sumption D/KLD)		Calorific value (Kcals /kg)		% Ash	% Sulphur
			1	Gas								<u> </u>
			2	Naph	tha							
			3	HSD		1						
			4	Fuel	Oil					_		
			5	Coal					5500			
			6	Ligni	te	-						0.05
			7	Baga	sse	Seas 38.4 Off- 32.0	ion: 6 TPH Season: 8 TPH		2272		2	0.05
		Sc M	ource of	f fuel: (transpo	Own S ortatio	ugar U n of fu	Jnit el to site	: Con	veyor Belt	s	<u> </u>	
29.	Energy	Pc	wer su	ipply:								
		F	Period		Ger	neratio	n	Con	sumption		Export	
			Season Off-Sea	ason	47.	51 MV MW	<u>v</u>	13.6	0 MW MW	3	<u>33.91 MW</u> 17.85 MW	/ /
30.	Green Belt Development	Ex Pr	cisting oposed	: 15 Ac	re cre							
31.	Details of Pollution		_ _ ,									
	Control Systems.		Br. No.	Para	meter		Existi	ng		Prop	osed to be	installed
			1 Air				ESP			ESP		
			<u></u> }	Wat Nois	er se		Acous	stic Er	nclosures	Acou	istic Enclo	osures will
			ļ	Soli	d Was	te	will be provided It will be used in bio-compositing			It will be used in bio-		
32.	Environmental		apital c	ost : R	s. 1900	00 Lak	ths				<u> </u>	
ĺ	Management plan Budgetary Allocation	OI Re	ne Tim currin	e Insta g Cost	llation (With	Cost (Break	(Capital up) : Rs.	Cost) . 52/-	: Rs. 355/- Lakhs	Lakh	5	

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2 hord

No. Particulars		Amount in INR, Lakhs
One Time Installation Cost (Capital Cost)	
t Air Pollution Control	System	200
2 Noise Control System		15
3 Green Belt Developm	ent	10
4 Environment Monitor	ing and Management	20
5 Water Pollution Contr	rol System - ETP	100
6 Occupational Health	& Safety	10
Total		355
Recurring Cost		
1 Environmental Monit Maintenance	oring /APH	10
2 General Maintenance	ofETP	15
3 Greenbelt Maintenand	ce	2
4 Noise Pollution Contr	ol	2
5 Occupational Health		3
6 Environmental Mana	gement	5
7 Corporate Social Res	ponsibility	15
Total		52
km region around the project si Survey of India (SOI) Toposhe Environmental Setting (10 km Particulars	te. Site area covers the et Nos. (56 B/9) (56 B radius) Details	10 KM radiai study area /13).
Latitude	18º 54' 18.22" N	
Longitude	76° 43° 40.43" E	
Site Address	M/s Gangakhed S (GSEL) Vijay Nagar, Mak	ugar & Energy Limited.
	Gangakhed, Distri Maharashtra	hani Kodri Road, ict - Parbhani
No. of villages in the study	Gangakhed, Distri Maharashtra 42	hani Kodri Road, ict - Parbhani
No. of villages in the study area	Gangakhed, Distri Maharashtra 42	hani Kodri Road, ict - Parbhani
No. of villages in the study area Total Population	Gangakhed, Distri Maharashtra 42 114351 Akoli (North)	hani Kodri Road, ict - Parbhani
No. of villages in the study area Total Population Nearest Habitation	Gangakhed, Distri Maharashtra 42 114351 Akoli (North) Sanglewadi (East) Makhani (South)	hani Kodri Road, ict - Parbhani : 1.25 km) : 1.75 km : 3.25 km
No. of villages in the study area Total Population Nearest Habitation Nearest River /Water Body	Gangakhed, Distri Maharashtra 42 114351 Akoli (North) Sanglewadi (East) Makhani (South) Masoli Tank/ We Godavari River	hani Kodri Road, ict - Parbhani : 1.25 km) : 1.75 km : 3.25 km ir : 1.5 km : 7.5 km
No. of villages in the study area Total Population Nearest Habitation Nearest River /Water Body Nearest IMD Observatory	Gangakhed, Distri Maharashtra 42 114351 Akoli (North) Sanglewadi (East) Makhani (South) Masoli Tank/ We Godavari River Parbhani 45 km	hani Kodri Road, ict - Parbhani : 1.25 km) : 1.75 km : 3.25 km ir : 1.5 km : 7.5 km
No. of villages in the study area Total Population Nearest Habitation Nearest River /Water Body Nearest IMD Observatory Nearest Town	Gangakhed, Distri Maharashtra 42 114351 Akoli (North) Sanglewadi (East) Makhani (South) Masoli Tank/ We Godavari River Parbhani 45 km Gangakhed 5 km	hani Kodri Road, ict - Parbhani : 1.25 km) : 1.75 km : 3.25 km ir : 1.5 km : 7.5 km

Chairman

		Nearest Air Port	Nanded : 80 km Aurangabad : 250 km
		Approach to site by Road	SH-219 (7 km)
		Religious / Historical Place	None
		Archaeological monuments	None
		Ecological Sensitive Area/	None
		Seismic Zone	111
34.	Public hearing report (If public hearing conducted then submit the salient features)	Conducted on 22/06/2016	

The PP gave a detailed presentation of their proposal to expand the sugar unit from 6000TCD to 8500 TCD and bagasse based co-gen plant from 30MW to 50 MW. The project was considered under category 5 (j)-B1 for sugar unit and I(d)-B1 for co-gen plant under the schedule of the E1A Notification 2006.

The Committee went through the EIA report and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. The Committee observed that pollution controlling facility would be satisfactory.

After detailed discussion the Committee made the following observations:

- Project involves expansion in sugar production which will entail additional cane generation. This additional cane generation should not result in consumption of water more than what is being consumed now. The PP shall ensure this by extending drip irrigation system to 100% of its cane growing area. Undertaking to this effect shall be given by the Board of Directors. MPCB should verify this before granting Consent to Operate.
- 2. The PP will not be providing any additional ETP to cater to the expansion of the sugar production and co-generation. The ETP capacities of 720 m³/day (sugar unit) and 1364 m³/day (cogeneration) will be retained. The Committee observed that these capacities will be sufficient to cater to the effluents generated through sugar production and co-generation. The system will be run as a Zero Liquid Discharge Process. All treated effluent should be monitored regularly for various parameters prescribed by the CPCB.
- 3. Since the PP intends to use coal [not exceeding 15% of total fuel consumption] a stack height of 80m for the expansion in addition to existing stack height of 80m shall be provided. An ESP of 99.9% efficiency both for existing as well as proposed expansion shall be provided so as to achieve a TPM of less than 100 mg/Nm³.
- 4. The PP shall provide storage for ash generation for over a period of 1 week.
- PP shall effect reduction in intake of water by recycling the excess condensate of 210 CMD and 1090 CMD for gardening, thus effecting a total saving of 1300 CMD water from Masoli Dam.

After detailed discussion the Committee decided to **recommend** the proposal for EC subject to the observations 1-5 above.



Item no. 5	M/s. Rajuri Steel Private Limited Proposed Induction Furnace to produce 1,08,000 TPA billets and to enhance the capacity of existing Rolling mill to produce TMT Bars 1,20,000 TMT Bars from 90,000 TPA at E-12 Additional MIDC Phase-II Jaina
	90,000 TPA at F-12 Additional Wilde, Flast-II, Jania

The brief information of the project as submitted by the PP is as follows:

1.	Name of the Project	M/s. Rajuri Steel Private Limited has proposed to install induction furnace to produce 1,20,000 TPA M.S. Billets and to enhance the capacity of existing Rolling mill to produce TMT Bars from 90,000 TPA to 1,20,000 TPA at Plot no.								
1		F-12 Addition	al MIDC , Phase-	II , Jalna						
2.	Name, address, e-mail & contact	Name: Mr. Dinesh Rathi								
	number of Proponent	Address: Plot	no. F-12 Additio	nal MIDC, Phas	se-II , Jalna					
	- F	Telephone nur	nber:				1			
		Mobile numbe	er: 9158901111							
		Email ID: rath	i.dinesh1@gmail	l.com						
3.	Name of Consultant	Name: Polluti	ion & Ecology Co	ontrol Services		-				
4	Accreditation of consultant	Yes Accredite	d vide letter no. N	NABET/EIA/02/	12/47 dated 2	7/02/2012.				
	(NABET Accreditation)									
5.	New Project / Expansion in existing	Expansion								
	project / Modemization /									
	Diversification in existing project					• • • • • • • • • • • • • • • • •				
6.	If expansion/ Diversification, whether	NA								
	environmental clearance has been									
	obtained for existing project (If yes,	1								
•	enclose a copy with compliance									
	table)									
7.	Activity schedule in the	The project fa	lls under the Cate	egory 'BI' of the	Schedule of]	EIA Notification,				
	EIA Notification	2006. Item no	. – 3(a)							
8.	Area Details	Total plot Are	a (sq. m.): 20181	.00 Sq.Mtrs						
		Built up Area	<u>(sq. m.): 8159.70</u>) Sq.Mtrs						
9.	Name of the Notified Industrial area /	MIDC Jalna								
	MIDC area									
10.	TOR given by SEAC? (if yes then	Yes 110 th Mee	eting of the State	Level Expert Ap	praisal Comn	nittee (SEAC - I)				
	specify the meeting)									
11.	Estimated capital cost of the project:	55.65 Crores								
	(including cost of land, building,									
	plant and machinery separately)	ļ								
12.	Location details of the project:	Latitude - 19	°50'41.89"N							
		Longitude - 7	'5°50'33.66"E							
		Location- MI	DC Jalna in Maha	arashtra						
		Elevation abo	ve Mean Sea Lev	vel (meters) – 534	4 m					
13.	Distance from protected Areas	No critically p	polluted area, No	National Parks/V	Wild life Sanc	tuary within 10 km				
	/Critically Polluted areas/ Eco-	radius.								
	sensitive areas/ inter-State boundaries	·				<u> </u>				
14.	Raw materials (including process	List of raw	Physical and	Quantity	Source of	Means of				
	chemicals, catalysts, & additives).	materials	chemical	(tones/month	materials	transportation				
		to be used nature of raw) full (Source to								
			material	Production	1	storage site) with				
				capacity		justification				
			1							
			<u> </u>		0	Terrenulin				
		MS Scrap	Lumps	99,840 IPM	Open	Tarapaulin				
1				040(0 TP) (магкет	covered frucks.				
		Sponge	Lumps	24,960 IPM	Open	-d0-				
1		Iron			Market		_			

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		MS E	Billets	In : sta	molten	1000	00 TPM	In-hous	e	-	Τ
15.	Production details	Name of Products, By products and Intermediate Products		Existing (T/Year)		Proposed activity (new / modernization / expansion) (T/Year)		Total (T/Year)			
		Main	Produc	ts	TMT Bars (90,000 TP	A)	M.S. Bill (1,20,000 TMT Ba (30,000	ets) TPA), rs [PA)	TM TPA	Γ Bars (1,20,000 .)	-
		By-P	roducts		Tail Cutting (2700 TPA)	gs)	Tail Cutt (900 TP/	ings A)	Tail TPA	Cuttings (3600 .)	
		Produ	icts								
16.	Process details / manufacturing details	M.S. B	Billets P	lant,	TMT Bars b	y Hot	Rolled Pr	ocess. T	he coj	py of the EIA is	
17	Rain Water Harvesting (RWH)	Level	ed as Ai	nnex	ure I nd water table	e۰					
17.	Kain water Harvesting (Kwili)	Size ar	nd no. o	f RV	VH tank (s) a	und Qu	antity:				
		Locatio	on of R	ŴН	tank (s)					- V 2014T D4L	
		Size, n Budge	os of re tarv alle	char Scati	ge pits and Q	Juantii	ty: 5 nos id O&M ci	SUMTA. ost)	5UM I	X 30WI Depth	
18.	Total Water Requirement	Total v	water re	quire	ement:						
		Fresh	water (C	MD): 70 m ³ /day	/ & Sc	ource - Ind	ustrial Ar	•ea &	Captive Lake	
		Recycl	ed wate	er (C	'MD): 33 m ²	/ day					
		Use of	the wat	er :							
		Proces	s(CMD): 25	m³/day						
		Coolin	g water	(CM	ID): 25 m³/da h m³/day	ау					
		Divi w Dust S	uppress	ion(CMD): treate	ed wat	er will be	reused			
		Drinki	ng (CM	D):	16 m ³ /day						
		Green	belt(CN	4D):	4 m ³ /day tre	ated v	vater will	be reused			
		Others	rvice(C (CMD)	MD. I):						
19.	Storm water drainage	Natura	l water	drai	nage pattern	- Qua	ntity of sto	orm water		· · · · · · · · · · · · · · · · · · ·	
		Size of	<u>fSWD</u>		<u>_</u>						
20.	Sewage generation and treatment	Amour Propos	nt of sev	wage	e generation (t for the sew	(CMD age –	') - 13 m'/ It will be i	'day treated in	Porta	hle STP	
		Capaci	ity of th	e ST	P (CMD) (If	age fappli	cable) - 2:	5 m ³ /day	1 014		
21.	ETP details	Amou	nt of eff	luen	t generation	(CME) -				
		Capaci	ity of th	e ET	P (CMD) -	cled ((CMD)-				
		Amour	nt of wa	iter s	end to the Cl	ETP (CMD):				
		Memb	ership o	of the	e CETP (If re	quire): If yes th	en attach	the le	etter submit the let	ter
			ctaunta	- 0.01	aration						
22.	Solid waste Management:	Sr.	Source	: ger	icration	Ot	y Fo	orm		Composition	
		No				T)	PM) (S	ludge/Dr	y/S	•	
						_	lu	rry etc.)			
		1.	Raw w	vater	treatment	Nil					
		2	ETP			Ni	1				-

Chairman

		3. 4. 5. 6. If was metals What Possib	Proce Spent Oily S Other waste Specifiete (s) cc , provic are the le users	Catal Sludg s like , e-wa fy) ontain de qua possils s of So	lyst e Batte aste et ns any antity pilitie olid v	ry c (Pl. / hazard , disposa s of recc /aste	4800 TPA 3600 TPA Nil Nil Nil Nil ous/tox al data a overy ar	ic substa and prop nd recycl	ince/ra osed j ling o	adioact precaut f waste	Sla Ind Fur Tai froi Mil	g fro uctio nace l-cut n R l. ateria	m in e-rolling als or heav isures.	
23.	Stack Emission Details: (All the stacks attached to process units, Boilers, captive power plant, D.G. Sets, Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. e.g. : Process section, D.G. Set, Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO ₂ , NO _x etc.) should be specified	Metho Plant Secti units Stack attack Induc	d of dis on & ned to tion	posal Sta No	of so	lid wast Height from ground level (1 30m	e J m)	Interna Diamet (TOP)	l er (m)	Emis Rate For SO ₂	sion For NO Nil	×	Temp. o Exhaust Gases 50°C	f
24.	Emission Standard	Pollu (SPN etc) PM 10 SO ₂ ,	tants $1,SO_2,$ \rightarrow, PM_2 NO_x, C_1	5, F S O S	Emiss (mg/N PM 10 PM2.5 SO2 NO _x -	ion Stan (m ³) - 60 - 1 - 40 - 60 40 - 80 µ 50 - 80	00 μg/n 0 μg/m ³ μg/m ³	imit n ³ ,	Pro Lin (mg	pposed nit g/Nm ³)		MI Co (m	PCB nsent g/Nm ³)	
25.	Ambient Air Quality Data	Pollut SPM SO ₂ NO _x	ant	Per PM PM 80 1	missil 10 - 1 2 5 - 6 1g/m ³	2.0 - 4.0 ble Stand 00 μg/m 0 μg/m ³	dard	Ргеdict Concer µg/m ³) РМ ₁₀ - 83.03 µ РМ ₂ 5- µg/m ³ SO ₂ - 31.25 µ NO _x - µg/m ³	1 ted 79.5 1g/m ³ 41.4 29.05 1g/m ³ 18.9 t	on (in 6 to to 50.9 to to 30.4	A A U I I I I I I I I I I I I I I I I I	emai emai ill pa ill be mits omm e pla	rameters within after issioning int.	of
26.	Details of Fuel to be used	Sr.N o. 1. 2. 3. 4.	Fuel Gas Naphi HSD Fuel (tha	Dai (TL Exi Nil Nil Nil Fun Oll	ly Consi PP/KLD sting nace	umption) Propo - - Nil	sed	Calor value (Kcal: kg)	ific s/	Ash	> S	6 Sulphur	

Jr. Chairman

					<u> </u>			_	
		5.	Coal	Nil	-				
		6.	Lignite	Nil	-				
ļ		7.	Other (Pl. Specify)	Nil	-				
27	Energy	Power	supply:	J	1			I	
-/.	Lifergy	• Exist	ing nower rec	uirement	t:				
		• Prope	osed power re	quiremer	nt: 20000 K	VA			
		DG set	ts:	-					
		• Num	ber and capac	ity DG se	ets to be use	ed (exist	ting and		
		propos	ed) :						
		Details	of the non-c	onvention	nal renewat	ple energ	gy proposed t	0	
		be used		> 200	(- 64 - 4 - 1 1 -				
28.	Green Belt Development	Green	beit area (Sq.	. m.): 30%	6 OI IOIAI IA to be plante	na ad An	nrovimately 1	600 trees per Ha	will
		he nlar	ted in consul	tation wit	th the local	Forest I	Denartment	ooo aces per ma	** (11
		Oc piai Numbe	er, size, age a	nd specie	s of trees to	be cut.	trees to be tr	ansplanted	
29.	Details of Pollution Control Systems:	Sr.		Ex	isting pollu	tion	Proposed to	be installed	
		No.		co	ntrol systen	n			
		i.	Air	Ba	ig filter		Bag filters,		
					-		Wet Scrub	bers.	
		ii.	Water	-			-		
ĺ		iii.	Noise	Ea	r muffs/ear	plugs	Ear muffs/e	ar plugs will be	
				pro	ovided to th	e	provided to	the workers,	
				wo	orkers, Aco	ustic	Acoustic la	ggings and silence	ers
				lag	gings and		will be prov	vided in equipmen	IT
					encers				
				ear	uipment				
			0.11111						
		1V)	Solid Waste	<u> </u>	D 2(0 I		Siag Crush	-	
30.	Environmental Management Plan	Capita	F cost (With b	reak up):	: KS. 260 L Do 43.50	akns Lakhe			
	Budgetary Allocation	Sr N		reak up).	KS. 45.50	Recur	ring Cost ner	Capital cos	t
						annum	(Rs. Lakhs)	Cupital Cos	•
		$\left \begin{array}{c} 0, \\ 1, \end{array} \right $	Air Polluti	on Contro	oll	10		120	
•		2.	Water Poll	ution Cor	ntrol	03		35	
		3.	Noise Poll	ution Cor	ntrol	-		-	
		4.	Environme	ent Monit	oring and	10		-	
			Manageme	ent					
		5.	Reclamatio	on borrow	v/mined	-		-	
			area (1) app	<i>plicable)</i>					
		7	Green Bell		<u> </u>	0.50			
		8	Solid wast	e manage	ment	20		100	
		9.	Others (Pl	. Specify)	-		-	
			Tota	<u> </u>		43.50		260	
31.	EIA Submitted (If yes	Period	of data colle	cted - O	ctober, Nov	/ember,	December 20	15	
	then submit the salient	• Detai	ils of the prin	hary data	collection (i.e. loca	tion of the		
	features)	sample	collection, n	umber of	f visit, etc)				
		• Detai	ils of the seco	ondary dat	ta collection	n (i.e. So	ource and yea	ır	
		of data	l) sticl havend	nd mitian	tion moor				
		• Poter	lusion of the	na miuga FIA etud	uon measu v	105			
1			a ston of the	LAL S DUMU	ر				

The Committee noted that the project was considered under 3(a) - B1 category of the EIA Notification, 2006. The PP gave a detailed presentation of the proposed induction furnace to produce 1,08,000 TPA billets and to enhance the capacity of the existing rolling mill to produce TMT bars

Chairman

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from 90,000 TPA to 1, 20,000 TPA. Presently, the PP is engaged in manufacturing of 90000 TPA TMT bars from ingots which are sourced from gasifier and rolled into TMT bars. Now PP intends to install an induction furnace to manufacture both ingots and TMT bars. The Committee noted that this integration will result in saving of energy as ingots do not require reheating.

The issue of availability of water was investigated through a site visit by Shri. C. I. Sambutwad (Member, SEAC-I) on 21.6.2016 (site visit report is enclosed as *Annexure 5.1*). The Committee studied the visit report and noted that as against requirement of 70 m³/day of water, the captive source of PP can provide around 90 m³/day thereby obviating the need to source water from MIDC during scarcity months.

After detailed discussion the Committee made the following observations:

- 1. Water shall be saved by adopting dry air cooling.
- 2. Maximum Iron will be recovered from slag by milling or magnetic separation.
- 3. The fume extraction system followed by bag filters and stack height of 30m should be provided to ensure a TPM levels of less than 100 mg/Nm³.
- 4. The workers in the plant should be protected from extreme temperature by providing them with heat resistant clothing and adequate rest periods to prevent over exposure.
- 5. A STP of 25CMD capacity based on MBR should be installed.

The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. The Committee therefore decided to **recommend** the project for **EC** subject to the observations (1-5) above.

Chairman

<u>"Annexure 5.1"</u>

Visit report: M/s. Rajuri Steel Pvt. Ltd. Jaina Date- 21.6.2016

Pursuant to the decision taken by the SEAC-I in its 128th meeting regarding verification of water storage capacity claimed by the PP, Shri. C.I.Sambutwad, Member SEAC-I visited the water storage site of M/s. Rejuri Steel Pvt. Ltd. at F-12, Additional MIDC Jains on 21.6.2016.

Discussion with the Officials:

During the discussion following Officers and PP representatives were present:

- 1. SRO Jains, MPCB
- 2. Field Officer, NPCB
- 3. Junior Engineer, MIDC Jaha
- 4. PP Director

The Executive Engineer, ALDC was not present but his representative Junior Engineer was present. He couldn't able to answer about the consent. He said that information will be given with one hour but he had not submitted the information.

Visit to the situ:

Representative of PP shown two earthen bunds on their private land. The distance between the two bunds is 100m. The length of each bund is more than 200m with still way. The average height of the bund is 6m. The PP submitted that the average depth for storage of water is seems to be 2 to 2.5m. So there are two storages of 200m x 100m and 200m x 100m. There are two wells of 15m diameter in each submerges. The drawing of earthen bund, its catchment area and discharge calculations, 3 years rainfall data ware submitted by the PP during site visit are enclosed herewith, in which the average rainfall of Jalma is around 680mm.

Member SFAC-1

Item no. 6	M/s. Kalika Steel Jalna Pvt Ltd.
	Application for EC for proposed 150000 TPA M.S. Re-rolled, M.S. Bars, Angles,
	Channels by installing to furnace at F-18, 19, Additional MIDC Area Jalna.

The Committee noted that the project was considered under 3(a)- B1 category of the EIA Notification, 2006. The PP gave a detailed presentation of their proposal to convert their existing plant to produce 700 TPD of re-rolled MS bars from ingots sourced from outside to a composite plant comprising of induction furnace and rolling mill to produce the same quantum of MS bars.

The process will require upto 100 CMD of water. The PP could not give satisfactorily explanation to the quantum of water being made available in water scarcity area like Jalna. The Committee suggested that water could be sourced from some other similarly placed mills who have their own surplus captive water sources. The PP may indicate water availability either from captive sources or from captive sources of other mills.

Deferred for solution to water availability.

Chairman

Member Secretary

Item no. 7	M/s. Paramount Chempro
	proposed Formaldehyde Unit at C-6, Butibori MIDC, Hingna, Nagpur

The PP gave a detailed presentation of their ElA report pertaining to Formaldehyde manufacturing unit of capacity 24000 MT/A.The Committee considered the project under 5 (f)-B1 category of the ElA Notification 2006.

After detailed discussion the Committee made the following observations:

- 1. It is necessary to provide minimum 600 m² for green belt and 480 m² for parking.
- 2. The process per se will not generate any effluent, but PP should maintain an ETP of 5 CMD for treatment of domestic sewage and wash water.
- 3. PP may think of conserving 8.5 CMD water indicated for gardening and recycling water from cooling tower blow down for gardening.
- 4. There should be online monitoring and carbon probe sensing for Formaldehyde and Carbon Monoxide installed at various locations.
- 5. RO system shall be suitably re-designed to indicate final destination for RO rejects and RO permeate with the quantum involved and also to indicate TDS at various stages.
- 6. Entire chapter on Risk Assessment and Risk Management should be recast and re-presented.

For the compliance above the item was deferred.

Item no. 8	M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd. (ToR)
	For proposed installation of 3 KLPD integrated smart bio refinery demo plant at Shreenath Nagar, Patethan, Tehsil-Daund, Pune

Vide letter dated 25.8.2016 the PP has withdrawn the application from (category B) SEAC since the application was already considered by MoEF&CC as 'A' Category in the 12th EAC meeting.

Hence the project was **delisted**.

Item no. 9	Minor Minerals (sand) Solapur (25) [new]

The proposals were considered under category 1(a)-B2 of the schedule of EIA Notification 2006. The DMO submitted 25 cases for sand mining in Solapur District to excavate nearly 12 lakhs brass in total. The Committee desired to know whether the survey conducted in the month of June could be relied upon now since there was flow in the river during monsoon which could have changed the shape and dimension of the sand gats. Additional Collector submitted that there were no changes in the configuration of the sand gats. Therefore the Committee took up the cases for appraisal.

Chairman

25 cases submitted by the DMO along with observations and recommendations of the Committee are depicted in the table below:

					C		Length & Sand ghat	Breadth of in (m)	Area (Sand ; x B)	Of ghat (1	Total depth of	Tota I Dep th reco	Permitted	Observations of the Committee	Recommendations of the Committee
SN	ir. Io.	Name Of Village	Taluka ,	Name of the river	te: nu be r	Location of sand Ighat (Adjacent Gut No.)	Length in (m)	Breadth in (m)	in m2	In Hr Ar	sand in the block as per GSDA in (m)	he by lock as GS er DA for h (m) exea on (m) (m)	sand resourses L xB x D in Brass		
τ		Ajansond- Mundhewadi-	Pandhapur	Bhima		Ajansond- 235to240,247, 248,232,231, 118p,230, 224 to 228,220, 218, 212, 213, 214,204,203,200 to 194, Mundhewadi- 13to18, 20,61to80	1494	130	1942 <u>2</u> 0	19 42	3		68629	GSDA has recommended the excavation upto1m There are no riverine structures within 500m of sand gats. Gramsabha resolution has beer obtained recommending the excavation.	Recommended for EC subject to the following conditions- 1) 2m of sand depth should be left on the river hed. 2) 35m should be left from river bank while excavating. 3) No machinery will be used for excavatinn. All mining should he carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6).4nnexure B
~		Pohargaon-Sarkoli	Pandharpur	Bhima	1	Pohrgaon- 5,6,7,10 to 14,17 to 20,30 to 35,39 to 41,44 to 51,56, Sarkoli-301 to 323,337 to 348, 350 to 353, 365 to 367, 369, 374, 376, 377, 382, 384 to 386,388,399	1433	122	17482 6	17 48	3		61776	GSDA has recommended the exeavation upto1m There are no riverine structures within 500m of sand gats. Gramsabha resolution has been obtained recommending the excavation. The PP confirmed that though the gat is situated in meandering eurve, sand deposits have occurred in middle of the sand gat.	Recommended for EC subject to the following conditions- 1) 2m of sand depth should be left on the river bed 2) 35m should be left from river bank while excavating. 3) No machinery will he used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is earried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Annexure B
3		Kharsole - Chale -	Pandharpur	Bhima R ivar	1	Kharsole- 39,285,41 to 45,12,14,34, 36, 38, 5 to 9,11, Chale-525,572, 573, 576 to 580,594 to 597 600 to 603,609	1128	122	13761 6	13.76	3.2	1.2	58353	There appears to be a confusion regarding location of sand gat with reference to rail bridge.	Deferred for verification of location of sand gat with reference to rail bridge.

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Member Secretary

4	Kharsole - Ambe-	Pandharpur	Bhima R ivar	11	Kharsole-266 to 273, 265/1,264,263 Ambe-442,435, 434, 433, 430,429,428, 426,425, 424, 423,421,420,19, 446,445,	747	107	7992'	7.99	3]	28243	GSDA hasRecommended for EC recommended thesubject to the following excavation uptoIm conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending theexcavating. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine
5	Ambechincholi- sarkoli	Pandharpur	Bhima R ivar	1	Ambechineholi- 55,56, 58, 59,60, Sarkoli- 664,669,668,671 , 672, 673,699,700,744	1525	122	18605	18.61	3.2	1.2	78890	6) Annexure B GSDA hasRecommended for EC recommended thesubject to the following excavation uptol m conditions- There are no riverinel) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending theexcavating. excavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly ventication by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. () Annexure B
6	Degaon- Mundewadi	Pandharpur	Bhima	1 1 1 1 1 1 1 1 1	Degaon- 31,32,40,45,46,1 8, 22,23,17,1,506,5 08,509 Mundewadi-208 to 211, 213,219 to 221,224, 225, 229,237 to 239,244 to 248,261 to 263,270 to 272, 275 to 279,	1434	137	1964 58	19.65	3	1	69420	GSDA hasRecommended for EC recommended thesubject to the following excavation upto Im conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river hank while recommending thexeavating. excavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Annexure B

Chairman

7	Vite-Sarkoli	Pandharpur	Bhima		Vite- 81,82,gasthan 252, 251,250 Sarkoli- 348,349,350, 453, 454,458 to 457,472 to 478, 480,481,489 to 493, 395 to 498, 501,507 to 517,	1415	138	1952	19.53	3.2	12	82800	GSDA hasRecommended for EC recommended recommended thesubject to the following excavation upto Im conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats.bed. Gramsabha resolutinn2) 35m should be left on the river of sand gats.bed. Gramsabha resolutinn2) 35m should be left has been obtainedfrom river bank while recommending recavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures.
8	Shirdhon- Chincholibhose	Pandharpur	Bhima	1	Shirdhon-271 to 273,307 to 311,313,315,318 ,319, 321p, 323,324,325,330 Chincholibhose- 33p,81 to 84,86 to 90,93 to 99,101 to 115,	900	137	1233	12.33	3.3	1.3	56640	6) Annexure B GSDA hasRecommended for EC recommended thesubject to the following excavation uptoIm conditions- There are no riverine(1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending theexcavation 3) No machinery will be used for excavation 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be Verification by Techshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Annexure 8
9	Ghodeshwar Tamd ardi	Mohol- Mangalwedha	Bhima		Ghodeshwar- 112,111,108, 107,105,104,102, 101,96 to 99, Tamdardi-344 to 351,16,7,15 to 20, 42,46 ta 52,55,56, 58,60 to 64,66,67,68,	1372	153	2099 16	20.99	3	1	74175	GSDA hasRecommended for EC recommended thesubject to the following excavation upto1m conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed Gramsabha resolution2) 35m should be teft has been obtainedfrom river bank while recommending theexcavating. excavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the exeavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Annexure B
10	Ardhnari-Bathan-	Mangalwedha- Mohol	Bhima	1	Ardhnari- 38p,29,28,26, Bathan-102/1 to 106,108 to 111,114 to 119,122 to	1607	153	2458 71	24.59	3	1.2	1(14256	GSDA has Recommended for EC recommended the subject to the following excavation upto Im conditions- [There are no riverine]) 2m of sand depth structures within 500mshould be left on the river of <u>end</u> gats bed.

Hairman

					124,129 to 132,135,139 to 174,								Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending theexcavating.
11	Ardhnari- Bramhpuri	Mangalwedha Mohol	Bhima		Ardhnari- 25,19p,17, 16,11,9,8,7p,3p, Bramhpuri-812 to 848,850 to 869,	1629	153	2492 37	24.92	3.5	1.2	105684	GSDA hasRecommended for EC recommended thesubject to the following excavation upto1m conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats/bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending thexcavating. 3) No machinery will be excavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. Structures.
12	Devikavate-	Akkalkot	Bhima	3	7h,8b,9	1701	61	1037	10.38	3.4	1.4	51331	GSDA has Recommended for EC recommended the subject to the following excavation upto1m conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending the excavating. excavation. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is earried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Mining will be restricted only to area of jurisdiction of Maharashtra. 7) Amayure B
13	Maisalge	Akkalkot	Bhima]	175 to 178	1098	61	6697 8	6 70	3.4	1.3	3(1767	GSDA hasRecommended for EC recommended thesubject to the following excavation upto1m conditions- There are no riverine1) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtained from river bank while

[1		T	Т	I			Т		T	Τ		recommending the	excavating
													recommending the	excavating 3) No machimery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat.
														 No excavation shall be allowed 500m from any bridge or riverine structures. Mining will be restricted only to area of jurisdiction of Maharashtra. Annexure B
14	Dharsang	Akkalkot	Bhima		70,76,69,66,65	915	61	5581	5.58	3.4	1.2	23667	GSDA has recommended the exeavation upto1m. There are no riverine structures within 500m of sand gats. Gramsabha resolution has been obtained recommending the excavation.	Recommended for EC subject to the following conditions- (1) 2m of sand depth should be left on the river bed. 2) 35m should be left from river bank while exeavating. 3) No machinery will be used for excavation. All mining should be carried out manually 4) There should be carried out manually weekly verification by Tehshildar whether the exeavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Mining will be restricted only to area of jurisdiction of Maharashtra. 7) Annexure B
15	Shegaon	Akkalkot	Bhima	ľ	17,20,21,22	853 65	61	5207	5 21	3.3]	18400	GSDA has recommended the excavation upto1m There are no riverine structures within 500m of sand gatts Gramsabha resolution has been obtained recommending the excavation.	Recommended for EC subject to the following conditions- 1) 2m of sand depth should be left on the river bed. 2) 35m should be left from river hank while excavating. 3) No machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 5) Mining will be restricted only to area of jurisdiction of Maharashtra. 7) Annexure B



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16	Lavangi-	South solapur	Bhima	1	1 to 9, 115,157,148,	839	77	6460 3	6.46	3.1	1	22828	The Committee Deferred for observed that there wasunamhiguous report, ambiguity in the depth reported.
17	Aauja(m)-	South solapur	Bhima	1	1 to 4,7,8,16,24, 25, 29, 30, 34,25,29,40, 41, 48,52,53,57,59,6 0,61,62,68/1,68b, 69 to 75, 85a,85b, 211h, to 342, 291 to 295	1525	77	1174 25	11.74	3.5	1	41493	The CommitteeDeferred for observed that there wasunamhiguous report. ambiguity in the depth reported.
18	Kurghot-	South solapur	Bhima]	65,76, 59, 164, 58,57, 56,55 ,54, 53,52,51	732	92	6734 4	6.73	3.5	1	23796	The CommitteeDeferred for observed that there wasunambiguous report. ambiguity in the depth reported.
19	Balgi	South solapur	Bhima	1	1 to 25,105,111 to 120,123 to 125,129,132,	1220	77	9394 0	9.39	3 1	1.1	36514	the Committee Deferred for observed that there wasunambiguous report. ambiguity in the depth reported.
20	Kusur-Siddhapur	South solapur- Mangalwedha	Bhima	1	Kusur-241 to 243,1,8, 23, 118, Siddhapur- 49,50,91,93 to 97,105 107,112 to 115, 143, 145, 146, 149, 150,151,154 to 156	915	153	1 399 9 5	14.00	4	1.3	64309	The CommitteeDeferred for observed that there wasunamhiguous report, ambiguity in the depth reported.
21	Kondarchoncholi	Karmala	Bhima		1 to 5,8,9,11 to 19,21,26, Gavthan 28,29,	1677	77	1291 29	12.91	3]	45629	GSDA hasRecommended for EC recommended (hesubject to the following excavation upto Im conditions- Ihere are no riverine I) 2m of sand depth structures within 500mshould be left on the river of sand gats bed. Gramsabha resolution2) 35m should be left has been obtainedfrom river bank while recommending thexcavating. structures excavation. 3) Nn machinery will be used for excavation. All mining should be carried out manually. 4) There should be weekly verification by Tehshildar whether the excavation is carried in the specified sand gat. 5) No excavation shall be allowed 500m from any bridge or riverine structures. 6) Annexure B Annexure B
22	Khatgaon	Karmala	Bhima		12 to 17,1,2,Gavthan,2 15, 202,200,196,192 to 195, 185 to 188,179 to 181,173 to 176,161 to 163,153 to 155,	2138	69	1475 22	14.75	3	1	52128	GSDA has Recommended for EC recommended thesubject to the following excavation uptol m conditions- There are no riverine[1] 2m of sand depth structures within 500mshould be left on the river of sand gats.bed. Gramsabha resolution2] 35m should be left has been obtainedfrom river bank while recommending theexcavating. excavation [the PP3] No machinery will be confirmed that sand gatused for excavation. All do not come immining should be carried submergence of Ujaniout manually. river. Therefore not4) There should be affected by High Courtweekly verification by Order.] Tehshildar whether the excavation is carried in the specified sand gat.

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Chairman

							i						5) No excavatio allowed 500m bridge or structures. 6) Annexure B	n shall be from any riverine
23	JInti	Karmala	Bhima	1	255 to 258,260	321	46	1476 6	1.48	3	1	5218	Mining area was less Delisted than 5 ha. Not to be considered by this Committee (SEAC-1).	
24	Katraj	Karmala	Bhima	1	125 to 157	747	62	4631 4	4.63	3	1	16365	Mining area was less Delisted than 5 ha. Not to be considered by this Committee (SEAC-I).	
25	Ramwadi	Karmala	Bhima	1	24,25	397	107	4247 9	4.25	3	1	15010	Mining area was less Delisted than 5 ha. Not to be considered by this Committee (SEAC-1).	

Item no. 10	Limestone mining Yavatmal (1) [new]
1	

The proposal was considered under category 1(a)-B2 of the schedule of EIA Notification 2006. The brief information submitted by the PP and decision of the Committee are depicted below:

S. No.	Name of the Proponent, Mouz, Taluka, Land type	Gat No./ Survey No.	Area (ha)	Observation of the Committee	Recommendations
1.	Smt. Faimida Parveen B. Khan Wanjari, Wani	399, 400 & 448	25.6 ha	The PP presented the proposal for limestone mining in lease area of 25.6 ha. The project was considered under category 1(a)- B1 of the schedule of EIA Notification 2006.The PP submitted that the quarry did not form part of any cluster. The proposed site is at a distance of 2.5km from a coal mine and 8km from a limestone mining cluster. The quarry is situated beyond 200m of habitations, water bodies, roads and public structures. The quarry is not situated in any forest or zudpi jungle area. There were no reserved or protected areas within 5km of mine. Mining Plan was approved on 12.12.2000 for 30 years. Public hearing was conducted on 2.11.2011 and has not raised	 Recommended for EC subject to the following conditions- 1. The overburden will be dumped within the lease boundary and will not be taken out from the premises. 2. Bench geometrics of 1.5 m x 1.5m with angle of cut of 45° shall be provided. 3. Garland drench shall be constructed along the lease boundary. 4. No explosives shall be stored on site. 5. In situ water source shall be provided. 6. Dust suppression shall be managed by spraying water and plantation trees along the lease boundary. 7. Laborers shall be protected with



	any objection to the mining. The AAQS indicates that the GLCs will remain within limits after the mining operation commences.	protective gear and shall besubjected to regular health check-ups at the cost of the PP.8. Annexure C
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	<u>"Annexure C"</u>
(i)	Project proponent should follow prevailing mines act and rules as well as other directions given by Director General of mines safety measures.
(ii)	District collector should ensure the compliance and commitment from project proponent during Public Hearing, Project proponent should submit compliance to Dist. Collector & MPCB.
(iii)	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
(iv)	This environmental clearance is issued subject to land use verification. Local authority /planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court if applicable in this matter should be verified by the Competent Authority before issuing the lease.
(v)	"Consent for operate" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any activity at the site
(vi)	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
(vii)	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
(viii)	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
(ix)	Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
(x)	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
(xì) (xii)	Proper House keeping programmes shall be implemented. In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.



- (xiii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable).
- (xiv) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xv) Arrangement shall be made that effluent and storm water does not get mixed.
- (xvi) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xvii) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xviii) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xix) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xx) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xxi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xxii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xxiii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xxis) Regular mock drills for the on-site emergency management plan shall be earried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxv) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxvi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of

the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.

- (xxvii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <u>http://ec.maharashtra.gov.in</u>
- (xxviii)Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxix) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the pruponent.
- (xxx) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO₂, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xxxi) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xxxii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

Item no. 11	M/s. Vedant Re-Rolls Pvt. Ltd.
5. 	New Project 400 MTD Phase III, MIDC Area, Additional Jalna, Dist. Jalna.

The Committee noted that the project was considered as 3(a) - B1 category of EIA Notification, 2006. The PP gave a presentation on compliances points raised in 128^{th} meeting. The Committee made the following observations:

- 1. The revised water balance now is pegged at 105.5 CMD; in the earlier presentations it was shown as 135 CMD and 65 CMD respectively. Reasons for these variations may be given and final figure backed by justification.
- 2. One induction furnace will be fired at 1 time; if PM emission in 1 heat is taken as 20kg, the stack height comes to 45m. PP has calculated this as 35m and this need to be corrected. The

emission management will be through Venturi scrubber and high efficiency hydro cyclone to achieve a TPM level less than 100 mg/Nm3.

3. PP submitted a letter from Deputy Engineer, MIDC sub-division, Jalna (attached as Annexure 11.1). The letter does not indicate availability of water.

The PP submitted that he had a private tank situated at a distance of 9km from the plant. The Committee desired that its sub-committee should visit the site and verify the water availability. **Deferred** for the site visit.



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"Annexure 11.1"

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MIDO Sub division Jaina Addi Jaina Indi Area Phu Iwar MIDO Water Tank MIDO Water Tank Imi No (02452-220632)		MIDC / SDJEN/ IFMS Office of the Deputy Englisher MIDC Sub-division Janua Dr. 2016
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		5 - A 5 Deputy Engineer MDC Sub Division Julna

Item no. 12	M/s. Gajlaxmi Steel Pvt Ltd.
	Expansion of Existing Engineering Industrial SSI unit at F-4, Addl. MIDC, Jalna
	Taluka & Dist. Jalna

The Committee noted that the project was considered under 3(a)-B1 category of the EIA Notification, 2006. The PP gave a presentation on compliances points raised in 128th meeting and made the following observations:

- 1. One induction furnace will be fired at 1 time; if PM emission in 1 heat is taken as 20kg, the stack height comes to 45m. PP has calculated this as 35m and this need to be corrected. The emission management will be through Venturi scrubber and high efficiency hydro cyclone to achieve a TPM level less than 100 mg/Nm³.
- 2. The PP submitted that he had a private tank. The Committee desired that its sub-committee should visit the site to verify the water availability.

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Chairman

Member Secretary

Deferred for the site visit.

Item no. 13	M/s. Gayatri Ispat Pvt. Ltd.
	Expansion of engineering industrial to produce MS Ingot/ Billet 1000 MTD and or
	structural bar, angles, channels 1000 MTD unit at G-6, Addl MIDC Jalna, Taluka
	& Dist. Jalna

The Committee noted that the project was considered as 3(a) - B1 category of the EIA Notification, 2006. The PP made a detailed presentation of the proposal to manufacture structural bars, angles and channels from M.S scrap, sponge iron etc. to the extent of 1000 MT/day. The process involves melting scrap iron in 340 T induction furnace and passing the ingots through the rolling mill.

After detailed discussion the Committee made the following observations:

- 1. The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project.
- 2. The PP should set apart 4000 sq. m for parking and 6000 sq. m for green belt.
- 3. The emission management will be through venturi scrubber and high efficiency hydro cyclone followed by a stack of height 73m to achieve a TPM level of less than 100 mg/Nm³.
- 4. Water requirement after discussion and reduction of water in irrigation and domestic sewage comes to 100 m³/day. Considering scarcity of water in Jalna District, there should be sufficient water availability in the summer season. The PP submitted that he had a captive source of water at Jalna.
- 5. Asbestos should not be used for building construction.
- 6. The workers in the plant should be protected from extreme temperature by providing them with heat resistant clothing and adequate rest periods to prevent over exposure. There should be regular health check-ups to monitor physical parameters of workers who are employed near the furnace.

The PP submitted that he has a captive source of water at Jalna. The Committee desired that its subcommittee should visit the site to verify the water availability. **Deferred** for the site visit.

Item no. 14	M/s. Vidharba Irrigation Development Corporation Nagpur.
	Brahmanwada (st) M I Tank Construction of Earth Work of Dam Head
	Regulator Waste weir Approach & tail channel and allied structures near village-
	Brahmanwada, Taluka- Malegaon, Washim

VIDC represented by the Superintendent Engineer submitted that the Cultural Command Area of the project was 281 ha. The attention of the Committee was invited to the letter dated 25th July, 2016 from Principal Secretary, Environment Deptt. (attached as *Annexure 2*) wherein he has indicated that, vide amendment issued by S.O. No. 1599 (E) dated 25.6.2014 to the EIA Notification dated 14.9.2006, B category irrigation projects with cultural command area less than 2000 ha were not required to obtain prior EC from SEIAA subject to the clause that General Conditions shall apply.

The Committee noticed that in present case cultural command area was 281 ha only (< 2000 ha). Therefore, the provisions of EIA Notification 2006 are not applicable for this project. Hence **delisted**.

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Member Secretary

Item no. 15	M/s. Vidharba Irrigation Development Corporation Nagpur.	
	Borgaon ST M I Tank Construction of Earth Work of Dam Head Regulator	
	Waste weir Approach & tail channel and allied structures near village- Borgaon,	
	Taluka- Karnaja, Washim	

VIDC represented by the Superintendent Engineer submitted that the Cultural Command Area of the project was 284 ha. The attention of the Committee was invited to the letter dated 25th July, 2016 from Principal Secretary, Environment Deptt. (attached as *Annexure 2*) wherein he has indicated that, vide amendment issued by S.O. No. 1599 (E) dated 25.6.2014 to the EIA Notification dated 14.9.2006, B category irrigation projects with cultural command area less than 2000 ha were not required to obtain prior EC from SEIAA subject to the clause that General Conditions shall apply.

The Committee noticed that in present case cultural command area was 284 ha only (< 2000 ha). Therefore, the provisions of EIA Notification 2006 are not applicable for this project. Hence **delisted**.

Item no. 16	M/s. Vidharba Irrigation Development Corporation Nagpur.
	Davha ST M I Tank Construction of Earth Work of Dam Head Regulator Waste
	weir Approach & tail channel and allied structures near village- Davha, Taluka-
	Karnaja, Washim

VIDC represented by the Superintendent Engineer submitted that the Cultural Command Area of the project was 334 ha. The attention of the Committee was invited to the letter dated 25th July, 2016 from Principal Secretary, Environment Deptt. (attached as *Annexure 2*) wherein he has indicated that, vide amendment issued by S.O. No. 1599 (E) dated 25.6.2014 to the EIA Notification dated 14.9.2006, B category irrigation projects with cultural command area less than 2000 ha were not required to obtain prior EC from SEIAA subject to the clause that General Conditions shall apply.

The Committee noticed that in present case cultural command area was 334 ha only (< 2000 ha). Therefore, the provisions of EIA Notification 2006 are not applicable for this project. Hence delisted.

Item no.17	Sudi (Storage) MI Tank Construction of earth work of dam, head regulator, west
	weir, approach and tail channel, Taluka- Malegaon, District- Washim

VIDC represented by the Superintendent Engineer submitted that the Cultural Command Area of the project was 280 ha. The attention of the Committee was invited to the letter dated 25th July, 2016 from Principal Secretary, Environment Deptt. (attached as *Annexure 2*) wherein he has indicated that, vide amendment issued by S.O. No. 1599 (E) dated 25.6.2014 to the EIA Notification dated 14.9.2006, B category irrigation projects with cultural command area less than 2000 ha were not required to obtain prior EC from SEIAA subject to the clause that General Conditions shall apply.

The Committee noticed that in present case cultural command area was 280 ha only (< 2000 ha). Therefore, the provisions of EIA Notification 2006 are not applicable for this project. Hence **delisted**.

Chairman

Item no. 18	M/s. Vidarbha Irrigation Development Corporation Nagpur
	Borkhedi M.I. Tank proposed construction of earth dam near village- Borkhedi,
	Taluka- Risod, District- Washim.

VIDC represented by the Superintendent Engineer submitted that the Cultural Command Area of the project was 785 ha. The attention of the Committee was invited to the letter dated 25th July, 2016 from Principal Secretary, Environment Deptt. (attached as *Annexure 2*) wherein he has indicated that, vide amendment issued by S.O. No. 1599 (E) dated 25.6.2014 to the EIA Notification dated 14.9.2006, B category irrigation projects with cultural command area less than 2000 ha were not required to obtain prior EC from SEIAA subject to the clause that General Conditions shall apply.

The Committee noticed that in present case cultural command area was 785 ha only (< 2000 ha). Therefore, the provisions of EIA Notification 2006 are not applicable for this project. Hence **delisted**.



			Annez	<u>cure 2"</u>	
			GOVERNMENT OF MAHA	RASHTRA	
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J.	Sub. :- Regarding verification of violation of the Environment (P) Act, 1986 r.w. EIA Notification 2006 (amendment thereof dtd. 25.6.2014) Ref. :- Irrigation projects referred by SEAC-I cell vide Office Note dtd. 17.5.2016				
	Sir. E12 Departn	We refer to the nent, G.o.M. for y	Office Note dtd. 17.5.2016 w	herein you have referred 2 wironment (P) Act 1986 r.v	3 cases to the Environment
	MPCB + 23 cases observed 18.12.20 ha. A ta	vide letter dtd. 18 After scrutiny of i, there are six Irr d that the Commi 015. As per prese ible of 5 irrigation	12.2015. list of 23 cases, it has been ob- igation projects. As per extract of ttee has taken into consideration int status reported by the MPCE i projects is reproduced hereunc	erved that all are long pend of minutes of the 121* meeti the present status reported l, Irrigation area of five Irrig ler :-	ling and absent cases. Out of ng of the SEAC-1 it has been by the MPCB vide letter dtd. gation projects is below 2000
 and definition of 	Sr. No.	Date of submission	Name and location of projec	t Present Status	C.R. No.
AVELED E EL ENTRANTE E EL ENTRANTE E EL ENTRANTE EN ENTRANTE EN	1	24.01.2014	VIDC – Brahmanwada (st) M I Tank, Construction of Eart work of Dam Head Regulato Waste Weir Approach & tai channel and allied structures Near Vill. Brahmaneda, Te Malegaon, Washim.	1 Irrigation work completed in year 1998 r having 253 Hectors 1 Irrigation area. Said project is in operation.	SEAC 2014'CR-53/TC-2
nde en ensidenden ensekendeligtendeligtende ensekende en ensekendeligtendeligtendeligtendeligtendeligtendeligte	2	24.01.2014	VIDC – Borgaon (st) M Tank, Construction of Earth work of Dam Head Regulato Waste Weir Approach & tai channel and allied structures	Irrigation work completed in year 1996 having 255 Hectors irrigation area. Said project is in operation.	SEAC 2014'CR-54/TC-2

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3	24.01.2014	VIDC - Davha (st) M I Tank.	Irrigation work	SEAC 2014/CR-55/TC-2
		Construction of Earth work of	completed in year 2008	
		Dam Head Regulator Waste	having 300 Hectors	
		weir Approach & tail	irrigation area. Said	
		channel and allied structures.	project is in operation.	
		Near Vill. Davha, Tq.		
		Karanja, Washim.		
1	02.03.2014	VIDC - Sudi (Storage) M I	Irrigation work	SEAC 2014/CR-69/TC-2
		Tank. Construction of Earth	completed in year 2012	
		work of Dam Head Regulator	having 252 Hectors	
		Waste Weir Approach & tail	irrigation area. Said	
		channel, Tq. Malegaon,	project is in operation.	
		Washim.		
;	19.05.2014	VIDC - Proposed	Irrigation work	SEAC 2014/CR-162/TC-2
		Construction of Earth Dam	completed in year 2006	
		near village Borkhedo	having 687 Hectors	
		Borkhedi M.I. Tank, Tal.	irrigation area. Said	
		Rishod, Dist- Washim,	project is in operation	

We also refer to the amendment issued by the Ministry of Environment & Forest, G.o.I. vide S.O. No. 1599 (E) dtd. 25.6.2014 to the Environment Impact Assessment Notification dtd. 14.9.2006 wherein substituted at item 1 (c) (ii) Irrigation Projects – B Category projects at (ii) < 10,000 ha. > 2000 ha. of Culturable Command area are required to obtain prior Environment Clearance from the SEIAA subject to General condition shall apply.

In view of the above amendment in the EIA Notification 2006 dtd. 25.6.2014 and extract of minutes of 121st meeting of the SEAC-1 held on 18th February, 2016, it has been observed that Irrigation area of projects referred in table given above is below 2000 has, hence the provisions of the EIA Notification 2006 are not applicable to those project.

Therefore, above projects are referred back to the SEAC-1 for further doing needful.

(Sati h M(invai)

Principal Secretary Environment Department

Discussion Item 2	Discussion	on site visit rep	orts:	 ,	
suit.	a ta				

1. M/s. Ria Organics Pvt. Ltd.

The Committee went through the site visit report (*Annexure D*). The letter for withdrawal of EC application has been submitted by the PP. It may be kept in the next meeting.

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<u>"Annexure D"</u>

Visit report- M/s. Ria Organics Pvt. Ltd., MIDC Kurkumbh

Date- 11/8/2016

Pursuant ta the decision taken in the 132nd meeting, a sub-committee comprising of following members visited the site on 11th August, 2016 -

- 1. Shri. T. C. Benjamin, Chairman
- 2. Prof. (Dr.) Ramesh Dod, Member

The sub-committee noted that the M/s. Ria Organics Pvt. Ltd. is to be located on plot no. D-26/2, MIDC Kurkumbh as prescribed in the allatment letter of MIDC. However, spatial demarcation of 26/2 in the plot D-26 has not been made in MIDC's layout with result that it is difficult for the sub-committee to ascertain whether any construction activity has commenced in plot D-26/2. However, the PP of adjoining plot 26/1 (M/s. Modepro India Pvt. Ltd. - Dr. Satish) submitted that the construction site is fully contained in D-26/2 admeasuring 20,000 sq.m informed by M/s. Modepro India Pvt. Ltd. This needs to be verified from approved layout plan from MIDC (Actian: Regional Officer MIDC).

The Chairman spoke to the PP (M/s. Ria Organics Pvt. Ltd.) telephanically and infarm that since PP remained absent in 128^{th} & 130^{th} meeting without explanation, the praposal may have to be drapped from the list of pending cases unless explanatian far non-appearance is submitted to the Committee before 133^{rd} meeting scheduled on 24^{th} & 25^{th} August, 2016. (Action: PP M/s. Ria Organics Pvt. Ltd.).

2. <u>M/s. Shagun Chemicals in affiliation with M/s. Anand Chemicals & M/s. Akash</u> <u>Industries.</u>

The Committee went through the visit report (enclosed as *Annexure E*). The visit report shall be considered when the item is placed in the agenda.

Chairman

<u>"Annexure E"</u>

<u>Visit report- M/s. Shagun Chemicals in affiliation with Anand Chemicals and</u> <u>Akash Industries</u>

<u>Date- 11/8/2016</u>

Pursuant to the decision taken in the 132nd meeting, a sub-committee comprising of following members visited the site on 11th August, 2016 -

- 1. Shri. T. C. Benjamin, Chairman
- 2. Prof. (Dr.) Ramesh Dod, Member

The sub-committee observed that the proposed industries were to be located in small sheds constructed in plots of area 800 sq. m, 420 sq.m and 420 sq. m respectively. M/s. Anand Chemicals and M/s. Akash Industries are to be located in plots of 420 sq. m adjacent to each other and M/s. Shagun Chemicals is proposed to be located in a shed of 800 sq. m. nearly 50m behind the former two sheds. The PP explained that the production in M/s. Anand Chemicals and M/s. Akash Industries and M/s. Akash Industries which constitute raw materials for M/s. Shagun Chemicals will be transported in drums from the former two sheds to the later shed. The sub-committee observed that this arrangement is logistically impraper and can lead to additional operational cost.

Instead if the plots are located contiguous it is possible to achieve the operational efficiency thereby decreasing operational cost and increasing productivity. This aspect should be considered by MIDC.

Secondly, the sub-committee observed that the sheds are fairly old and need to be check for structural stability before the project is initiated.

T. C. Benjamin Ramesh Dod

3. M/s. Kukadi SSK

The Committee went through the visit report (enclosed as *Annexure F*). The visit report shall be considered when the item is placed in the agenda.

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<u>"Annexure F"</u>

Visit report- M/s. KUKADI SAHAKARI SAKHAR KARKHANA LTD.

<u>Date- 18/8/2016</u>

Pursuant to the decision taken in the 132rd meeting, a sub-committee comprising of following members visited the site on 18th August, 2016 -

- 1. Shri, T. C. Benjamin, Chairman
- 2. Prof. (Dr.) Ramesh Dod, Member

3 Shin B.S. Sergel 4. C.I. Semilarly . The sub-committee made the following observations:

- I. The PP is effecting overage crushing of 4685 TCD as against the 2500 TCD granted as per Consent to Establish of MPCB and additional 1000 TCD as on expansion far which Consent to Establish is obtained from MPCB.
- II. There are inconsistencies in the document submitted for obtaining ToR in the yield and sugar recovery.
- III. ETP of the existing activity is located ot a distance of 300m from factory premises.

It was seen by the sub-cammittee that only aeration tank was revamped and rest [primgry sedimentation, secondary clarifier, filtration etc.] needs to be augmented Eater to the proposed expansion.

 ETP premises is separated from the main plant premises by a stretch af land which the PP could nat acquire.
 It is necessary to secure the ETP premises to quote the misure and the factor.

It is necessary to secure the ETP premises to avoid the misuse and theft of ETP equipment.

- V. It was also seen by the sub-committee that the spray pand is at a distance of 600 m from the ETP thereby requiring the pumping of excess spray pond effluent. This infructuous operational cost can be avoided by relocating ETP or increasing the height of platform of spray pand.
- VI. The sub-committee has nated that there are no collection and treatment mechanisms for domestic sewage. PP should collect and treat the domestic sewage and same should be given in the EIA Report.
- VII. Silas of sufficient capacity [07 days starage] should be provided for ash storage.



Discussion	Proposed site visits
Item 3	

The Committee decided to visit the following industries whose EC proposals are under consideration:

 M/s. Prasad Sugar and Allied Products Ltd. At Village- Vambori, Taluka- Rahuri, District-Ahmednagar on 27th August, 2016



2. M/s. Harman Finochem Ltd. At plot no. N-24, Additional Patalganga MIDC, Panvel, Raigad on 6th September, 2016.

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Chairman

<u>"Annexure A"</u>

The Specific and General conditions applicable for Mining of Stone:

Specific conditions:

- 1. Provisions stipulated in Maharashtra Minor Minerals Extraction (development and Regulation) Rules 2013 shall be strictly adhered to.
- 2. District Collector and District Mining officer will be held responsible personally for noncompliance of the conditions stipulated in the Environmental clearance and shall be liable for legal action under Environment (Protection) Act of 1986.
- 3. District Collector will take bank guarantee of Rs. 2,00,000/- OR upto 2% of the annual royalty, whichever is higher, for the given lease from the lease holder to ensure the compliance of the conditions stipulated. In case of violation of stipulated conditions by project proponent bank guarantee so obtained shall be forfeited and legal action under the law should be initiated against such project proponent.
- 4. It shall be ensured that there is no fauna dependent on the areas close to mining for its nesting.
- 5. To prevent dust / particulate matter pollution, the lease holder shall take up tree plantation in an area 10 m from the boundary of the leased area and also on either side of the road leading to the quarry from the already surfaced road.
- 6. District Collector and Project proponent to ensure that there is no violation of the Supreme Court order given in related matters.
- 7. District Collector shall prepare closure plan and get it approved by the competent authority for all abandoned mines in the District.

General conditions:

- 1. Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior to mining operations for all proposals under consideration. Such site plan, duly verified by competent authority shall be submitted to Environment Department.
- 2. All necessary statutory clearances shall be obtained before start of mining operations.
- 3. Mining / loading shall be limited to day hours' time only. The quarrying / loading shall not be done during night hours.
- 4. No mining shall be carried out in the safety zone of any bridge and/or embankment.
- 5. No mining shall be carried out in the vicinity of natural/ manmade archeological sites.
- 6. The lease holder shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and groundwater), if required for the project.
- 7. Waste water, if any, shall be properly collected and treated so as to conform to the standards prescribed by MoEF/CPCB.
- 8. No wildlife habitat will be infringed.
- 9. Where, the quarrying is in a hilly terrain hill cutting shall be allowed only in the recharge zone to be identified by the officials of GSDA.
- 10. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
- 11. Green belt development shall be carried out considering CPCB guidelines including selection of plant species in consultation with the local DFO/Horticulture Officer.
- 12. Parking of vehicles should not be made on public places.
- 13. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
- 14. Appropriate mitigation measures shall be taken to prevent any kind of pollution in consultation with the Maharashtra Pollution Control Board. It shall be ensured that there is no leakage of oil and grease from the vehicles used for transportation.
- 15. Vehicular emissions shall be kept under control and regularly monitored. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying



the mineral shall not be overloaded.

- 16. Special Measures shall be adopted to prevent the nearby settlements from the impacts of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried-out regularly.
- 17. Dispensary facilities for first-aid shall be provided at site.
- 18. Occupational health surveillance program of the workers should be undertaken periodically.
- 19. Provision shall be made for housing the workers at site, if required, with all necessary infrastructure and facilities such as fuel for cooking, safe drinking water, medical health care and sanitation etc.
- 20. Ambient air quality will be monitored at the site and the nearest habitation in the months of January, April and November. Ambient air quality at the boundary of the precise mining area shall conform to the norms prescribed by MoEF, GO1.
- 21. Measures shall be taken for control of noise levels to the limits prescribed by CPCB.
- 22. An Environmental Audit shall be annually carried out during the operational phase and be submitted to the Environment Department.
- 23. Digital processing of the entire lease area in the district using remote sensing technique shall be done regularly once in three years for monitoring and report submitted to the Environment Department. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure on environmental protection measures shall be reported to the Regional Office, Ministry of Environment and Forests, Bhopal.
- 24. Revenue Authorities shall submit within 3 months their policy of (i) Standard operating process/ procedure to bring into focus any infringement/deviation /violation of environmental norms /conditions, (ii) Hierarchical system or Administrative order to deal with environmental issues and to ensure compliance of EC conditions and (iii) System of reporting of non-compliance /violation of environmental norms to the District collector.
- 25. The Mining officer shall submit six monthly reports in hard and soft copy on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the Environment Department, and the District Collector and the respective Regional Office of the Maharashtra Pollution Control Board.
- 26. Any change in mining area, khasra /Gat numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per provisions of EIA Notification, 2006 (as amended).
- 27. SEAC-I has appraised the proposals on the basis of information submitted by concerned District Mining Officer. Mining Officer shall submit the list of blocks satisfying conditions stipulated above to Revenue & Environment dept. The list of blocks and conditions stipulated above shall be made available in public domain. It should be published in two local language newspapers and displayed at each block where mining operation is proposed. District mining officer should ensure this and submit compliance report to Environment department with approval from Collector.

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	<u>"Annexure B"</u>
Specifi	<u>The Specific and General conditions applicable for Mining of Sand</u>
specin 1	Proposals are recommended for Environmental Classication (19915, 2016, 1)
1.	Provisions stipulated in Mahamehtra Minor Minorala Extension (development on L Development)
2.	2013 and Government Resolution of Revenue and Forest Department dated 12/02/2012
3	District Collector and District Mining officer will be held regregerible individually for more supplier.
5.	of the conditions stipulated in the Environmental closenees and shall be lightly for non compliance
	Environment (Protection) Act of 1086
4	District Collector will take bank guarantee upto 2% of the total quation and for the since a will
	period from project proponent to ensure the compliance of the conditions stimulated. In asso of
	violation of stinulated conditions by project proponent bank guarantee so obtained aball be forsforded
	and legal action under the law should be initiated against such project proponent
5.	The depth of sand layer to be mined after retaining 2 m minimum layer below should not be more
	than 2 meters as per Government Resolution of Revenue Department dated 12 th March 2013 e.g. if the
	total denth of sand is 3 m only up to one metre of sand shall be mined
6.	It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil
	characteristics of the river bed /basin, where mining is carried out
7.	It shall be ensured that mining does not in any way disturb the turbidity velocity and flow pattern of
	the river water.
8.	A siltation study should be carried out before commencement of the mining activity or within a period
	of one year through some expert Agency like NIO/CWPRS to determine the siltation load so that there
	is no over exploitation of the material at any point of time. The mineral to be removed shall be
	determined based on siltation load. This study shall be steered by competent authority while granting
	further mining lease and or renewing of the license. A copy of siltation study shall be submitted to the
	Environment Department, the District Mining Officer and respective Regional Office of the State
	Pollution Control Board.
9.	It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its
	nesting.
10.	Turtle nesting units' conservation is very important. Therefore sand mining in such areas is to be
	prohibited.
11.	The green belt development/tree plantation will be made in an area of 20% of the total leased area
	either on river bank or along road side.
12.	Measure for prevention & control of soil erosion and management of silt shall be undertaken.
	Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other
12	Suitable material.
15.	District Conector and Project proponent to ensure that there is no violation of the Supreme Court order and ordere of the National Court Tribural
	and orders of the National Green I ribunal given in the related matters.
General	conditions:
1.	Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior
	to mining operations for all proposals under consideration. Such site plan, duly verified by competent
	authority shall be submitted to Environment Department.
2.	All necessary statutory clearances shall be obtained before start of mining operations.
3.	Depth of mining shall be restricted to 3 m or water level whichever is less.
4.	No mining shall be carried out in the streams.
5.	Mining shall be limited to day hours time only. The loading shall not be done during night hours.
6.	No mining shall be carried out in the safety zone of any bridge and/or embankment.
7.	No mining shall be carried out in the vicinity of natural/ manmade archaeological sites.
8.	The lease holder shall obtain necessary prior permission of the competent authorities for drawal of
_	requisite quantity of water (surface water and groundwater), if required for the project.
9.	Waste water, if any, shall be properly collected and treated so as to conform to the standards prescribed
	by MoEF/CPCB.
10.	No wildlife habitat will be infringed.
11.	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972
	from the competent authority, if applicable to this project.
12.	Green belt development shall be carried out considering CPCB guidelines including selection of plant
	species and in consultation with the local DFO/Horticulture Officer.
13.	Parking of vehicles should not be made on public places.
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- 14. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
- 15. Appropriate mitigation measures shall be taken to prevent any kind of pollution in consultation with the Maharashtra Pollution Control Board. It shall be ensured that there is no leakage of oil and grease from the vehicles used for transportation.
- Vehicular emissions shall be kept under control and regularly monitored. The mineral transportation 16. shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
- 17. Special Measures shall be adopted to prevent the nearby settlements from the impacts of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried-out regularly.
- 18. Dispensary facilities for first-aid shall be provided at site.
- 19. Occupational health surveillance program of the workers should be undertaken periodically.
- 20. Provision shall be made for housing the workers at site, if required, with all necessary infrastructure and facilities such as fuel for cooking, safe drinking water, medical health care and sanitation etc.
- Ambient air quality will be monitored at the site and the nearest habitation in the months of January, 21. April and November. Ambient air quality at the boundary of the precise mining area shall conform to the norms prescribed by MoEF, GOI.
- 22. Measures shall be taken for control of noise level to the limits prescribed by CPCB
- 23. An Environmental Audit shall be annually carried out during the operational phase and be submitted to the Environment Department.
- Digital processing of the entire lease area in the district using remote sensing technique shall be done 24. regularly once in three years for monitoring and report submitted to the Environment Department. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional Office, Ministry of Environment and Forests, Bhopal.
- 25. Revenue Authorities shall submit within 3 months their policy towards address (i) Standard operating process/ procedure to bring into focus any infringement/deviation /violation of environmental norms /conditions, (ii) Hierarchical system or Administrative order to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non-compliance/violation of environmental norms to the District collector.
- 26. The Mining officer shall submit six monthly reports in hard and soft copy on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the Environment department and the District Collector, the respective Regional Office of the Maharashtra Pollution Control Board.
- 27. Any change in mining area, khasra /Gat numbers, entailing capacity addition with change in process and or mining technology, modemization and scope of working shall again require prior Environmental Clearance as per provisions of EIA Notification, 2006 (as amended).
- 28. SEAC appraised the proposals on the basis of information submitted by concerned District Mining Officer. Mining Officer shall submit the list of blocks satisfying conditions stipulated above to Revenue & Environment dept. The list of blocks and conditions stipulated above shall be made available in public domain. It should be published in two local language newspapers and display at each block where mining operation is proposed. District mining officer should ensure this and submit compliance report to Environment department with approval from Collector.

11 Annexure 5.1 Lajuni 11 Rajuri water required for project • Water required for Meta Rolls & Commodities Pvt.Ltd - 200 m3/day As we installed DRY COOLING TOWER in Meta Rolls & Commodities Pvt.Ltd - 90 m3/day water save Now water required for Meta Rolls & Commodities Pvt.Ltd is Total water requirement of both project -70 m3/day + 110 m3/day =• Working days of plant 330 days approx. in a year Therefore 330 days * 180 m3/day = . REQUIRED TOTAL WATER STORAGE OF DAM = If we consider evaporation and seepage loss TOTAL WATER AVAILABLE AVAILABLE AFTER LOSSES \equiv 75600 - 59400 = water excess available.





META ROLUS & COMMODITIES PUITD LUALINA



JALNA DISTRICT RAIN FALL DATA

DATA COLLECTED FROM OFFICIAL WEBSITE JALNA DISTRICT

http://jalna.nic.in/html/distp.html

Climate

The district has a sub-Tropical climate, in which the bulk of rainfall is received from the southwest monsoon, between June to September. The average annual rainfall of the district ranges between **650 to 750 mm**. The district often experiences drought with rainfall recording as low as 400 to 450 mm.

The rainy season is followed by Winter, which last up to February, during which the minimum temperature ranges between 9 to 10 c and maximum temperature ranges between 30 & 31C. The winter is followed by hot summer, which continues up to June. The maximum day temperature ranges between 42 & 43 C's during summer.

Tahsil	Annual Avg.	2012	2013	2014
Jalna	700.9	348.4	823.7	438.5
Badnapur	700.1	345.4	617.4	316.6
Bhokardan	662.9	292.5	785.1	490.4
Jafrabad	640.4	324.2	959.4	360.0
Partur	743.9	429.9	968.2	476.0
Mantha	707.4	314.2	860.2	317.2
Ambad	651.7	315.6	757.3	363.3
Ghansavangi	699.2	229.6	538.6	269.7
Average	688.3	324.98	788.6	377.4

The rainfall details of last few years is as below.





Rainfall intensity, i:	18	nm/day 🗸	
Rainfall intensity, i:	18	mm/day ←	
Rainfall intensity, i:	18	mm/day 🗸	
Rational runoff coefficient, c:	0.5		
	Click to Calculate		

Rational Method Equation

The Rational equation is the simplest method to determine peak discharge from drainage basin runoff.

Rational Equation: Q=ciA The Rational equation requires the following units: Q = Peak discharge, cfs c = Rational method runoff coefficient i = Rainfall intensity, mm/day A = Drainage area, square kilometer



Q = 96932.23 m3/day

If we consider this rainfall for 7 days in a year.

96932.23 m3/day * 7days= 6,78,525.61 m3 runoff we got

SUMMARY:- Dam capacity 1,08,000 m3. This capacity we got in 2 days of rainfall. Excess water will overflow from spillway.

