

**Minutes of 41<sup>th</sup> meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 15<sup>th</sup> January, 2021**

**Following members were present in the meeting:**

- (i) Dr. Satish R Wate -Chairman
- (ii) Dr. G.V. Subrahmanyam -Member
- (iii) Dr. A.L. Ramanathan -Member
- (iv) Shri K Gowarappan -Member
- (v) Dr. Dilip S. Ramteke -Member
- (vi) Dr. Poonam Kumria -Member
- (vii) Dr. Bharat Jain -Member
- (viii) Dr.Subrata Maity -Member
- (ix) Shri Ashok Agrawal –Member
- (x) Shri Anil Kumar Jha -Member
- (xi) Shri Amardeep Raju-Member Secretary

Dr. Ramana Murthy could not join the meeting

**Day 1: 15<sup>th</sup> January, 2021**

**Time: 11.00 AM to 05.30 PM**

41.1. Opening remarks of the Chairman

41.2. Confirmation of the minutes of the 40<sup>th</sup> meeting held on **31<sup>st</sup> December, 2020** at Indira Paryavaran Bhawan, JorBagh Road, New Delhi

EAC noted that after uploading of Minutes, Project Proponent informed that some of the entries related to basic parameters against the item 40.3.1 have been mentioned from the details earlier submitted by them to the Ministry.

EAC after detailed deliberation confirmed the earlier minutes of the meeting with following correction against item 40.3.1:

**40.3.1. Enhancement of iron ore production from 3.0 MTPA to 6.0 MTPA at Daitri Iron Mine (ML Area 1018.3085 Ha) at Keonjhar and Jaipur District, Odisha by M/s The Odisha Mining Corporation Ltd. - Environmental Clearance Proposal No. IA/OR/MIN/186262/2018 and File No. 23-236/2018-IA.III (V)**

**7. Employment generated/ to be generated :- 1250**

## 8. Benefits of the project

### Environmental

- Mine workings will not intersect ground water.
- Progressive afforestation of mined out area will be carried out.
- Air quality, water quality and noise levels will not change by any appreciable margin. Thus public health is unlikely to be affected by the proposed project.

### Social

- No private land acquisition is required for the expansion.
- OMC is committed towards welfare activities of surrounding areas through peripheral development activities and CSR activities.
- The proposed expansion project will help to improve the human development index.
- Strong employment generation potential: Project will directly employ about 1250 people & substantial number of indirect jobs benefitting mostly the local people will also be generated.
- The project will provide a fillip and impetus to the agriculture sector, physical infrastructures like roads, railways, electricity generation, and distribution along with the social infrastructures like education, health sector, water supply and training etc. among the other things.

### Economic Benefits:

- Revenue to state exchequer and to meet the rising demand of iron ore in Iron & Steel industries.
- The Project is proposed to invest in Odisha ~Rs. 19878.135 lakhs which will boost the revenue of the state.

### **13. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)**

32<sup>nd</sup> MoM of EAC (Violation) dated 23.04.2020; Information sought

### **14. If the project was considered in EAC, Pl. give dates of the meeting(s).**

13<sup>th</sup> Meeting of EAC (Violation) dated 18.09.2018 – Consideration of ToR

32<sup>nd</sup> Meeting of EAC (Violation) dated 23.04.2020 – Consideration of EC

### **18. Date of approval of mine plan, mine closure plan, status & date**

Review of Mining Plan (RMP) with Progressive Mine Closure Plan (PMCP) has been approved by Indian Bureau of Mines for an area of 1018.3085 ha vide letter no. RMP/A/46-ORI/BHU/2019-20/2353 dated 21.02.2020.

*[Final Mine Closure Plan (FMCP) for surrendered area (794.6815 ha) was approved by IBM vide letter no. 314(3)/2012-MCCM (CZ)/FMCP-6/453 dated 15.03.2013.]*

**22. Date of mine closure approval :-** Not Applicable

Progressive Mine Closure Plan (PMCP) has been approved by Indian Bureau of Mines for an area of 1018.3085 ha vide letter no. RMP/A/46-ORI/BHU/2019-20/2353 dated 21.02.2020.

**25. Geological Reserve:**

- (i) **Total geological reserve:** 168.668 Million Tonnes *(as on 31.08.2019)*
- (ii) **Mineable reserve:** 86.16 Million Tonnes *(as on 31.08.2019)*
- (iii) **Extractable reserve:** 86.16 Million Tonnes *(as on 31.08.2019)*
- (iv) **Per cent (%) of extraction:** 100 %
- (v) **Range of ground water level:** > 130 m bgl
- (vi) **Total estimated water requirement:** Average water consumption for domestic and industrial use are 750 m<sup>3</sup>/day and 198 m<sup>3</sup>/day respectively
- (vii) **Details of intersecting ground water level:** The mine working will not intersect ground water table.

**26 Details of Deposits :**

- (i) **Depth of ore body :**284 m (max.)
- (ii) **Grade of ore :**Average : 60.56% Fe
- (iii) **Stripping ratio:** 1 tonne (ore) : 1.72 m<sup>3</sup> (waste)

**28 Life of mine:** 29 years

**29 Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits. Yes, Winter 2018-19 (Dec. - Jan. - Feb.)**

**31 Details of O.B.**

- (i) **External OB dumps :**Proposed
- (ii) **No. of OB dumps :**2 nos. [WD1 and WD2]
- (iii) **Area of each dump:** [WD1 - 79.87 ha, WD2 – 84.89 ha]
- (iv) **Height of each dump :**160 m (16 lifts of 10m each) [against hill slope]
- (v) **Quantity (in MCm) of OB in each dump [Mcu.m] :**[WD1 – 25.53 Mm<sup>3</sup>, WD2 – 26.60 Mm<sup>3</sup>]
- (vi) **Year of back filling :**From 2035 - till end of work
- (vii) **No. of OB dumps reclaimed :**Not Applicable.
- (viii) **If garland drains and settlement facility for runoff created :**Toe walls and garland drains have been provided for the dumps to control surface run-off.

(ix) Whether runoff water being utilized :-

**34. Details of final Mine Voids**

(i) Area :166.6 ha

(ii) Depth :510m AMSL; 40m (below adj. ground level)

**35 Details of Quarry:**

(i) Total quarry area :240 ha [Conceptual stage]

(ii) Backfilled quarry area of .....ha shall be reclaimed with plantation : 74.3 ha [Conceptual stage]

(iii) A void of ..... ha at a depth of ..... m which is proposed to be converted into a water body :Nil

(iv) Green belt created in ha. :458.98 ha (Total plantation area, including post mining stage)

**36. Details of Land usage :- LANDUSE DETAILS**

(i) Pre-mining

S. No.	Land use	Within ML area (ha)	Outside ML area (ha)	Total
1.	Agriculture land	0.0000	0.0000	0.0000
2.	Forest Land	846.3995	376.4787	1222.8782
3.	Wasteland	171.6370	0.0000	171.6370
4.	Grazing Land	0.0000	0.0000	0.0000
5.	Surface Water Bodies	0.0000	0.0000	0.0000
6.	Settlements	0.0000	0.0000	0.0000
7.	Other (specify) <i>Tenanted unauthorised occupied land</i>	0.2720	0.0000	0.2720
	<b>Total</b>	<b>1018.3085</b>	<b>376.4787</b>	<b>1394.7872</b>

(ii) Post- Mining

Sl.	Description	Land use
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		<b>Plantation</b>	<b>Water Body</b>	<b>Public use</b>	<b>Undisturbed area</b>	<b>Total</b>
1.	Excavated area *	240.0000	-	-	-	240.0000
2.	Waste Dump	164.7600	-	-	-	164.7600
3.	Mineral storage / sub grade dump	35.7000		-	-	35.7000
4.	Infrastructure	-	-	2.3700	-	2.3700
5.	Road	-	-	40.5600	-	40.5600
6.	Mineral processing plant	5.2500	-	-	-	5.2500
7.	Statutory barrier	13.2770	-	-	-	13.2770
8.	Others	-	-	-	516.3915	516.3915
	<b>Total</b>	<b>458.9870</b>	<b>0.0000</b>	<b>42.9300</b>	<b>516.3915</b>	<b>1018.3085</b>

**Source: Approved RMP & PMCP [Table – 2.25]; \* 73.4 ha will be backfilled.**

### (iii) Core area

<b>Particulars</b>	<b>Existing Land use *</b>	<b>Landuse at the end of Plan period (i.e. 31.03.2025)</b>	<b>Conceptual Landuse</b>
Mining	67.1300	104.0800	240.0000
Waste Dumping	Nil	42.8500	164.7600
Mineral Storage	12.6400	35.7000	35.7000
Infrastructure (Office, magazine, pumping station, parking plaza etc.)	5.5000	9.7600	2.3700
Road	8.9700	27.8000	40.5600
Mineral Processing Plant	1.3600	4.7400	5.2500
Mineral Reject Storage	Nil	Nil	Nil
Sub Total	95.6000	224.9300	488.6400
Statutory Barrier	13.2770	13.2770	13.2770
Others	909.4315	780.1015	516.3915
<b>Total</b>	<b>1018.3085</b>	<b>1018.3085</b>	<b>1018.3085</b>

**Source: Approved RMP & PMCP [\* as on 31.03.2020]**

### 39 Details of transportation of mineral

**(i) In pit:** Blasted material will be loaded into 35 - 60t capacity dumpers using 1.5 - 4.5 m<sup>3</sup> capacity excavators and will be transported to the existing 150 tph & 230 tph crushing & screening plants, 800 tph OHP and proposed 1000 tph crushing & screening plants.

**(ii) Surface to siding:** From Ore Handling Plant (OHP) to the stock pile at Baliparbat through conveyor belt and sized ore from Baliparbat will be dispatched by rail.

**(iii) Siding to loading:** Finished ore of CLO (10-40mm) & fines (-10mm) produced through OHP & converged at Baliparbat Stock yard through the belt conveyor shall also be loaded by loaders of 0.91 – 1.5 cu.m capacity & transported through 16 - 25 t tippers to railway siding for wagon loading. Direct loading onto buyer's trucks shall be done at Baliparbat stock yard for outbound sales.

**(iv) Quantity being transported by Road/Rail/conveyer /ropeway :6 MTPA**

**(v) Proposed change in transportation means if any, give details. :**Additional Conveyer corridor upto Daitari Railway siding is envisaged as part of expansion project.

#### **40 Details of reclamation:**

**a. Afforestation shall be done covering an area of: ..... ha at the end of mining.**

**This will include:** 458.987 ha

**(i) Reclaimed external OB dump ( in ha ) :** 164.760 ha

**(ii) internal dump (in ha) :**73.4 ha (Backfilled area)

**(iii) Green belt ( in ha ) :** 13.277 ha (Statutory Barrier)

**(iv) Density of tree plantation (in no of plants) :**1600 nos./ha

**(v) Void (in ha) at a depth of (in m) which is proposed to be converted into water body :**166.6 ha; 40m (from adj. GL)

**(vi) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).**

**(vii) Agriculture and horticulture:** Nil

**(viii) Fisheries:** Nil

**(ix) ECO Tourist/recreation spot:** Nil

**43. Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format since 1993-94 :**

<b>Year</b>	<b>EC sanctioned Capacity (in Million tonnes/ year)</b>	<b>Actual production (in Million tonnes/ year)</b>	<b>Excess production beyond EC sanctioned capacity</b>	<b>Year</b>	<b>EC sanctioned Capacity (in Million tonnes/ year)</b>	<b>Actual production (in Million tonnes/ year)</b>	<b>Excess production beyond EC sanctioned capacity</b>
1993-	202835	202825	0	2010-11	3000000	787799.820	Nil
1994-	202835	410257	207422	2011-12	3000000	1988975.425	Nil
1995-	202835	230985	28150	2012-13	3000000	703440.0	Nil
1996-	202835	258878	56043	2013-14	3000000	351589.830	Nil
1997-	202835	115054	Nil	2014-15	3000000	1801704.100	Nil

1998-	202835	296766	93931	2015-16	3000000	2999635.000	Nil
1999-	202835	300747	97912	2016-17	3000000	2824235.000	Nil
2000-	202835	283155	80320	2017-18	3000000	3000000.000	Nil
2001-	202835	667891.200	465056.2	2018-19	3000000	2986714.000	Nil
2002-03	202835	861073.870	658238.9	2019-20	3000000	2806652.000	Nil
2003-04	202835	896980	694145	2020-21	3000000	1843000.000	Nil
2004-	202835	1101048.72	898213.7	* (upto Oct.2020 only)			
2005-	202835	1343234.58	1140400				
2006-	202835	1917962.63	1715128				
2007-	202835	736548.111	533713.1				
2008-	202835	1593553.46	1390718				
2009-	202835	1652347.54	1449513				

**48 Name of the EIA consultant who prepared the EIA/EMP report. :**MECON Limited (A Govt. of India Enterprise), Ranchi – 834002

**49 Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2<sup>nd</sup> December, 2009.** Yes; Sr. No. 45 in the "List of ACOs with their Certificate / Extension Letter no. Rev. 4, Nov 10, 2020.

**50 Name of other specialists/consultants involved in making EIA report in collecting data.**  
EC: Shri Palash Banerjee; FAEs: Dr. M.K.Mukhopadhyay, Dr. S.K.Singh, Dr. S.Bhattacharya, Shri S Adak, Dr. Sumana Chakraborty, Dr. Ashok Kumar, Shri A.K.Mishra, Shri V. Skaria, Shri Anand Bhardwaj, Shri Sunny Budhraja, Dr. Piyal Das.

### **41.3 Consideration of proposals**

**41.3.1. Limestone Mining Project with lease area of 12.14 Ha. at Survey No. 78/5 (Govt. Waste Land) and production capacity of 1, 25,025 TPA (ROM) TPA. Near village Ranavav, Taluka Porbandar District Porbandar (Gujarat) by M/s Shri Udaysinh M. Jethwa - Further consideration for Environmental Clearance Proposal No. IA/GJ/MIN/64678/2017 and File No. 23-165/2018-IA.III (V)**

The project proponent and the accredited consultant M/s. Furgo Environmental & Engineering Services Ltd., Jaipur, made a detailed presentation on the salient features of the project and informed that:

1. This is an existing project of limestone mining of UdaySinh M. Jethwa having Survey No.78/5/P with proposed production capacity 1, 25,025 TPA (ROM) located at Village-Ranavav, Tehsil - Ranavav, District-Porbandar, State-Gujarat.The mine lease

was sanctioned in favor of UdaySinh M. Jethwa for mineral Limestone at near village - Ranavav, Taluka - Ranavav & District-Porbandar, vide order no. MCR-1572(J-39)5706-CHH dated 23.09.1974 for a period of 20 years. Application for 1st lease renewal was submitted in Form-J of MCR, 1960 on dated 02/08/1994 for a period of 20 year i.e upto 09/02/2015. Application for 2nd lease renewal was submitted in Form-J of MCR, 1960 on dated 03/02/2014 for a period of 20 year i.e upto 09/02/2035. As per section 8 (A) (6) of the Mines & Minerals (Development and Regulation) amendment ordinance act, 2015, lease validity is extended for 50 year i.e. from 10/02/1975 - 17/02/2025.

**Salient features of the Project:**

2. **If a Joint venture, the names & addresses of the JV partners including theirshare:**  
NA
3. **Latitude and Longitude of theproject**

S.No	Pillar	Latitude	Longitude
1	BP 1	21°41'38.93"	69°45'31.97"
2	BP 2	21°41'47.30"	69°45'35.10"
3	BP 3	21°41'54.41"	69°45'37.75"
4	BP 4	21°41'54.44"	69°45'42.91"
5	BP 5	21°41'50.80"	69°45'40.48"
6	BP 6	21°41'46.92"	69°45'40.66"
7	BP 7	21°41'48.88"	69°45'43.51"
8	BP 8	21°41'58.44"	69°45'48.28"
9	BP 9	21°41'58.78"	69°45'50.09"
10	BP 10	21°41'49.06"	69°45'50.48"
11	BP 11	21°41'48.78"	69°45'44.57"
12	BP 12	21°41'46.27"	69°45'40.98"
13	BP 13	21°41'45.74"	69°45'40.60"
14	BP 14	21°41'37.66"	69°45'38.73"

4. **Whether the project is in the Critically Polluted Area(CPA):** No

5. **Cost of the project:** 25.00 Lac
6. **Employment generated/to be generated:** Total manpower requirement during the mining activity is estimated to be about 18
7. **Benefits of the project:**The project activity and the management will provide assistance for the development of public amenities in the region. The mine management will recruit semi- skilled & unskilled eligible workers from the nearby villages. The management will contribute to the needs of the local schools, dispensaries for the welfare of the villagers. The overall effect will be improved by power of employees and thus a higher standard of living viz. better education, improved health and sanitation facilities and housing.
8. **Whether new or expansion project. If expansion:** New project
9. **If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.:**NA
10. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)- Yes (No.23-165/2018-IA.III(V) and date of the grant of ToR:07/06/2019)
11. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)- No (it is a Fresh Proposal)
12. If the project was considered in EAC, Pl.give dates of the meeting(s).:Earlier the said limestone mining project was considered in 15th EAC meeting (violation category) on dated 27th November, 2018.
13. type of Mine: (Opencast/Underground/mixed): Open Cast
14. Capacity of the mine applied for: 1,25,025 TPA (ROM)
15. ML Area: 12.14 ha.
16. As per block allotment: 12.14 ha.
17. As per approved mine plan: 12.14 ha.
18. Date of approval of mine plan, mine closure plan, status & date: 24.01.2018.
19. Date of Ground water clearance and surface water approval - Water demand will be met available by borewell present at the mine site. Applications for the grant of CGWA NOC has been filed vide no. 21-4/4689/GJ/ MIN/ 2018 on dated 28/12/2018 for 5.00 Kld abstraction of ground water. However an exemption letter was issued to us by CGWA.

20. Existing Ground water level in(M) – Pre-Monsoon: 22 m bgl
21. Post-Monsoon: 20 m bgl
22. Date of mine closureapproval: 22/11/2019
23. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details.
- ❖ KhambhalaTalav(~3.8 km towards NNWdirection from mine lease area).
  - ❖ Dhangva River (~5.82 km towards North-East direction from mine lease area).
  - ❖ Arabian Sea Creek (~5.50 km towards SSW direction from mine lease area).
  - ❖ DobaliyaTalav(~8.00 km towards West direction from mine lease area).
  - ❖ GhodharaTalav(~9.20 km towards North of North-West direction from mine lease area)
  - ❖ One seasonal Nallah is passing through the mine lease area in East direction of mine lease.
24. **Details of mine lease:-**

1. Date of entering into original lease deed: 10/2/1975	1. Date of 1 <sup>st</sup> lease renewal: 02/08/1994	1. Date of 2 <sup>nd</sup> lease renewal 17/2/2014	1. Date of 3 <sup>rd</sup> lease renewal: 02/02/2018
2. Date of expiry of original leasedeed 09/02/1995	2. Whether renewal or deemedrenewal: Renewal	2. Whether renewal or deemedrenewal: Renewal	2. Whether renewal or deemedrenewal: deemed Renewal
	3. Date of expiry of 1 <sup>st</sup> lease renewal 09/02/2015	3. Date of expiry of 2 <sup>nd</sup> lease renewal: 09/2/2035	3. valid till: 17/02/2025

## **TECHNICAL DETAILS**

### **Geological Reserve:**

- a. Total geologicalreserve: 10,27,625 MT
- b. Mineablereserve: 7,18,625 MT
- c. Extractablereserve: 1,25,025 TPA (ROM)
- d. Per cent (%) ofextraction: 69.93 %
- e. Range of ground water level: Pre-monsoon: 22 m bgl, Post-monsoon- 20 m bgl
- f. Total estimated waterrequirement: 5 KLD
- g. Details of intersecting ground waterlevel- No any intersection of ground water table will be done by the Mining activity as mining activity will be carried out up to 6 m bgl till the end of life of mine and water table is 20-22 mbgl.

**25. Details of Deposits:**

Depth of overbody: NA

Grade of ore: 1:0

Stripping ratio: 1:0

26. Method of mining: Opencast Semi-mechanized

27. Life of mine: 6 Year as per the approved mining plan.

28. Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits.: Yes, (From Dec, 2018-February, 2019) and the results for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> and CO at ambient air quality monitoring locations and are within the CPCB prescribed limits.

29. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is **forexpansion**- Not Applicable for the said mining project.

**30. Details of O.B.**

a. External OB dumps: Nil

b. No of OB dumps: Nil (recovery of mineral limestone is 100 %)

c. Area of each dump: Nil

d. Height of each dump: Nil

e. Quantity (in MCm) of OB in each dump: Nil

f. Year of backfilling: Nil

g. No. of OB dumps reclaimed: Nil

h. If garland drains and settlement facility for runoff created: NA

i. Whether runoff water being utilized: --

**31. Details of Internal Dumps**

a. Number of internal dumps: Nil

b. Area of each dump: Nil

c. Height of each dump: Nil

d. Quantity of wastes filled (MCm): Nil

**32. Utilization potential of wastes**

a. Within the mines: NA

b. Outside mines: NA

c. Efforts made by proponent: NA

**33. Details of final Mine Voids**

a. Area: 5.86 ha. (58,600 sq.mtr)

b. Depth: 6 m from the lowest surface level.

**34. Details of Quarry:**

- a. Total quarry area: 12.14 ha
- b. Backfilled quarry area of \_ha. shall be reclaimed withplantation: No backfilling proposed
- c. A void of 5.86ha at an depth of 6.00 m which is proposed to be converted into a water body.
- d. Green belt to be created in4.00 ha.

**35. Details of Landusage**

**(i)Pre-Mining**

S.No.	Land Use	Within ML Area (Ha.)	Outside ML Area (Ha.)	Total (in ha.)
1.	Agriculture Land	--	--	--
2.	Forest Land	--	--	--
3.	Waste Land	12.14	--	12.14
4.	Grazing Land	--	--	--
5.	Surface water bodies	--	--	--
6.	Settlements	--	--	--
7.	Other(Specify)	--	--	--

**(ii) Post-Mining**

S.No.	Land Use during Mining	Land Use (Ha.)				Total (Ha.)
		Plantation	Water Body	Public use	Undisturbed	
1.	External OB Dump	--	--	--	--	--
2.	Top Soil Dump	--	--	--	--	--
3.	Excavation	--	5.86	--	--	5.86
4.	Roads	--	--	0.29	--	0.29
5.	Built up area	--	--	0.06	--	0.06
6.	Green Belt	4.00	--	--	--	4.00
7.	Undisturbed area	--	--	--	1.93	1.93
	<b>Total</b>	<b>4.00</b>	<b>5.86</b>	<b>0.35</b>	<b>1.93</b>	<b>12.14</b>

**III. Core area:** 5.86 ha. (Water reservoir), 4.00 ha (Green Beltarea), 1.93 ha (Undisturbed area)

**36. Details of Forest issues: Non-Forest land**

- a. Total forest area involved (in ha.) for mining lease.: No forest area

involved

- b. Total broken forest area.: NA
- c. Status of Forest Clearance and extend of forest land diverted inha.: NA
- d. Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details.: Yes , ESZ of Barda Wildlife Sanctuary.i.e(~0.224 km towards North-East direction from minelease area.).
- e. Extent of forest land in the project (including safety zone and all types of forest land) (inha): NA
- f. Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicate the status.: Yes, Schedule –I faunal species are present within 10 km radius of the study area as per the direct evidence during field survey /as per authentic list of Flora and Fauna issued by Forest dept., Porbandar and it is approved by Chief Wild Life Warden, Gandhinagar, Gujarat.
- g. Whether schedule -I species, if yes conservation plan is approved by CWLW? Yes, and conservation plan is approved by DCF, Porbandar.

**37. Costs of the project:**

- e. Total capital Cost: 25.00 Lac
- f. Cost of Production:. 202.75 per metric ton
- g. Sale Price: Rs 250.00per metric ton
- h. CER cost: 2.80 Lac per annum
- i. R&R Cost: NA
- j. No of PAFs: NA
- k. Cost for implementing EMP: 12.227 Lac per annum

**38. Details of villages/habitation in mine leasearea**

- l. Inside the lease: NA
- m. Surrender by lease: NA
- n. Extent of cropland acquired/ being acquired in ha.: No

**39. Details of transportation of mineral**

- o. In pit: Tipper & Trucks
- p. Surface to siding: Trucks
- q. Siding to loading: Tipper & Trucks
- r. Quantity being transported by Road/Rail/conveyer /ropeway: 454 TPD mineral limestone will be transported by roadways to Ultratech cement plant, Rajula, GHCL, Sutrapada and Reliance industries, Hazira.
- s. Proposed change in transportation means if any, give details: No change in transportation means.

**40. Details ofreclamation:**

- t. Afforestation shall be done covering an area of4.00hectare at the end of life of mine. This will include:
- i. Reclaimed external OB dump ( in ha) :Nil

- ii. internal dump (in ha): Nil
- iii. Green belt (in ha.): Total 4.00 ha area will be developed as green belt upto the end of life of mine.
- iv. Density of tree plantation ( in no of plants) 1500 trees per ha.
- v. Void (5.86 ha) at a depth of (6 m ) which is proposed to be converted into water body.
- vi. Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).:--
- vii. Agriculture and horticulture: --
- viii. Fisheries: Nil
- ix. ECO Tourist/recreation spot: --

41. Any court case pending. If so, please provide a list with details as an annexure.

- (i). Environment (Protection) Act- No
- (ii). Air (P&CP) Act- No
- (iii). Water (P&CP) Act No
- (iv). MMRD Act- No
- (v) The Factories Act- No
- (vi) Other land R&R related cases- No

42. Any violation cases pending. If so, please provide a list with details as annexure: No

43. Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

Year	EC sanctioned capacity (MTPA)	Actual production (MTPA)	Excess production beyond the EC sanctioned capacity
1993-1994	--	--	--
1994-1995	--	50.00	50.00
1995-1996	--	40.00	40.00
1996-1997	--	40.00	40.00
1997-1998	--	238.935	238.935
1998-1999	--	46661.200	46661.200

1999-2000	--	12695.600	12695.600
2000-01	--	9044.800	9044.800
2001-02	--	54843.305	54843.305
2002-03	--	17031.915	17031.915
2003-04	--	16664.130	16664.130
2004-05	--	16575.495	16575.495
2005-06	--	8696.445	8696.445
2006-07	--	12522.845	12522.845
2007-08	--	13012.100	13012.100
2008-09	--	8340.092	8340.092
2009-10	--	3090.03	3090.03
2010-11	--	60.00	60.00
2011-12	--	0.00	0.00
2012-13	--	0.00	0.00
2013-14	--	0.00	0.00
2014-15	--	20540.00	20540.00
2015-16	--	5600	5600
2016-17	--	84350.00	84350.00
2017-18	--	199560.00	199560.00
2018-19	--	41000.00	41000.00

44. **PUBLIC HEARING:** Date and Place of public hearing: 07/01/2020 and Place of public hearing is at Mine site(Survey No.78/5/P), Near village & Tehsil-Ranavav, Porbandar (Gujarat). The designation of officer presided our the PH: District collector and District magistrate, Porbandar.

45. **Consultant:**  
Name of the EIA consultant who prepared the EIA/EMP report. Fulgro Environmental & Engineering Services India Pvt. Ltd., accredited by the QCI and NABET as per the MoEF OMdated 2<sup>nd</sup> December, 2009.: Yes

**Observation and recommendation of the EAC in the 36th EAC meeting held on 21st -22nd September, 2020:**

Project proponent along with the consultant made the detailed presentation before the EAC on the project proposal. After detailed presentation by the PP, EAC observed that Barda Wildlife Sanctuary (~1.771 km towards NNW direction from mine lease area) and ESZ is at the distance of ~0.224 km towards North-East direction from mine lease area. Method of mining for the limestone mine is open cast semi-mechanized (No drilling and blasting involved). No forest land is involved. EAC after detailed deliberation on the information submitted by the PP (Form 2, EIA/EMP report, PH details, kml file etc) and as presented, deferred the project for want of following information:

1. Certificate from the Chief Wildlife warden regarding exact distance of Barda Wildlife Sanctuary and ESZ from the project site with respect to satellite imagery.
2. Safety measures for Nallah falling in the project area and restoration plan for Nallah.
3. Approved Mining plan to be submitted
4. Total project cost shall be revised with proper justification.
5. Damage assessment cost shall be revised for all the environmental attributes as suggested by the committee, accordingly RP, NRA and CRA shall be prepared.
6. Status of Credible action.
7. Pre mining and post mining land use plan shall be revised and submitted.
8. Protective measures for the state highway passing thru the area.
9. As mine lease is allotted prior to 1993 therefore production details authenticated by the mining department, prior to 1994-95 shall be submitted.
10. Greenbelt Development & Ecology Restoration programme with Budgetary provisions (for the 1st two years) to mitigate the Predicted impacts.

**Observation and recommendation of the EAC in the 41<sup>st</sup> meeting (present) held on 15.01.2021**

Above information as sought by the EAC in the 36<sup>th</sup> meeting was submitted to the Ministry on 26.12.2020, accordingly proposal was taken to the EAC for deliberation in the 41<sup>st</sup> meeting held on 15.01.2021. Project Proponent made the detailed presentation on the additional information. After detailed presentation by the PP, EAC observed that PP has submitted the Certificate from Office of Deputy Conservator of Forests, Porbander Forest Division, Porbandar issued vide letter no. C/JMN/T.7/28/2020-21 dated 26/05/2020 stating the distance of Barda Wild Life Sanctuary

and ESZ of Barda Wild Life Sanctuary. EAC noted that mine lease area is located outside the Barda Wild Life Sanctuary and its ESZ. Further, no forest land is involved in the mining lease area.

EAC after detailed deliberation suggested corrections in the damage assessment and advised the Project Proponent (PP) to submit the revised details to the EAC through email before finalization of minutes. Accordingly, PP vide email dated 18.01.2021 submitted the revised details to the EAC.

The EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Compliance report, Form 2, Additional information, Annexures etc), recommended the proposal for grant of Environmental Clearance to the Limestone Mining Project with lease area of 12.14 Ha. at Survey No. 78/5 (Govt. Waste Land) and production capacity of 1, 25,025 TPA (ROM) TPA. Near village Ranavav, Taluka Porbandar District Porbandar (Gujarat), subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of **Rs 79.62 lakh** towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provision are mention below:

### Remediation Plan & Budgetary Provision

Sr. No.	Environmental component	Activities Proposed	Budgetary provision			Total (in lakhs)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
1.	Air Environment a) Ambient Air b) Air Pollution	<ul style="list-style-type: none"> <li>• Dust Suppression and water sprinkling.</li> <li>• Provision of Barricades</li> <li>• Thick plantation along both sides of village roads in three villages namely Bordi, Amardad and Ranavav, Tehsil: Ranavav, District: Porbandar, Gujarat.</li> </ul>	5.00	4.50	3.50	13.00

2	Noise Environment	Supply of personnel projective equipment's	0.35	--	--	0.35
3	Water Environment	<ul style="list-style-type: none"> <li>• Rain water harvesting structure in the exhausted pits for groundwater recharge</li> <li>• Rain water harvesting structure</li> </ul>	6.15	4.10	--	10.25
4	Land Environment	Leachate proof storage facility for chemicals and solvents	0.25	0.25	--	0.50
5	Ecology	Plantation in 2 villages, both sides of nallah, additional plantation in mine lease area.	15	15	--	30.00
6	Solid and hazardous waste	<ul style="list-style-type: none"> <li>• Provision of coloured bins</li> <li>• Transportation of solid waste to disposal site</li> </ul>	1.50	1.00	0.50	3.00
7	Socio-economic	First aid kit and health check up	0.50	0.25	0.25	1.00
8	Energy consumption	Installation of solar panels within lease area (10 kva)	1.00	--	--	1.00
		<b>TOTAL</b>	<b>29.75</b>	<b>25.10</b>	<b>4.25</b>	<b>59.10</b>

### Natural Resource Augmentation Plan alongwith budgetary provision

Sr. No.	Activities Proposed	Year wise Implementation and Budgetary provision in Rs.			Total cost (Rs.)
		1st year	2nd year	3rd year	
1	Provision of drinking water facilities through hand pumps per year in the nearby villages, Ranavav, Amardad, Bhod, Bordi @ Rs. 25,000 per hand pump to a	1,00,000	1,00,000	50,000	2,50,000

	depth of 25 meter at 10 places (schools, mandir, within villages or after consultation of local authority.				
2	Providing solar street lights comprising of MS pole, solar panel, LED lamps, battery wiring etc. for 2 villages each year, 10 street lights per village with complete set up @ Rs. 200000	0	2,00,000	2,00,000	4,00,000
3	Construction of check dam on the nallah (40 ft × 1ft ×9.9 ft) @ Rs. 2000 per cubic feet cost.	2,64,000	2,64,000	2,64,000	7,92,000
	<b>TOTAL</b>	<b>3,64,000</b>	<b>5,64,000</b>	<b>5,14,000</b>	<b>14,42,000</b>

#### Community Resource Augmentation Plan alongwith budgetary provision

Sr. No.	Activities Proposed	Year wise Implementation and Budgetary provision in Rs.			Total cost (Rs.)
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	
1.	Development of sanitation facilities in Village: Ranavav, Amardad, Bhod, Tehsil: Ranavav, District: Porbander, (provision of two toilets in each year per village)	50,000	50,000	50,000	1,50,000
2	Distribution of medical equipment's as a capital cost in the nearby Govt. Hospital in village Ranavav, Tehsil: Ranavav, District: Porbandar.	1,50,000	--	--	1,50,000
3	Assistance in providing study materials, uniforms, books to the poor students (20 students)	1,00,000	60,000	40,000	2,00,000
4	Installation of Sanitary napkin vending machine and sanitary	1,00,000	5,000 (Maintenance	5,000 (Maintenance	1,10,000

napkin incinerator in Govt. Secondary School of village: Amardad, Tehsil: Ranavav, District: Porbander.		Cost)	Cost)	
<b>TOTAL</b>	<b>4,00,000</b>	<b>1,15,000</b>	<b>95,000</b>	<b>6,10,000</b>

### Summary

Sr. No.	Activity Proposed	Total (Rs. in lakhs)
1.	Cost of damage/Remediation plan	59.10
2.	Natural Resource Augmentation Plan	14.42
3.	Community Augmentation Plan	6.10
	<b>Total</b>	79.62

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs 79.62 lakhs**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs 79.62 lakhs** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- iii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. Wild life Conservation plan as approved by the Competent Authority shall be implemented.
- vi. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2<sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

- vii. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- viii. Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.
- ix. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- x. The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.
- xi. State Government/SPCB to take action against the Project Proponent under the provision of Section 19 of the E(P) Act.
- xii. Project Proponent shall take activities in three years on the issues raised in the PH and in the socioeconomic assessment towards community development activities (provision of R O for safe drinking water, infrastructure development in nearby schools, assistance to farmers in agriculture) under EMP which shall be monitorable by the Regional office, MoEFCC.

**41.3.2. Manufacturing of APIs and Intermediates by M/s Acebright (India) Pharma Pvt. Ltd. at Plot No. #116/117, KIADB Industrial Area, village Jigani, Taluk Anekal, District Bengaluru, Karnataka - Further consideration for Environmental Clearance Proposal no. IA/KA/IND2/174762/2017 and File No. 23-2/2017-IA.III (V)**

The project proponent and the accredited consultant **M/s. Environmental Health and Safety Consultants Pvt Ltd**, Bangalore made a detailed presentation on the salient features of the project and informed that:

- i. The proposal is for Environmental Clearance to the project "Proposal for Change in Product mix" in the existing Bulk Drugs and Intermediates Manufacturing Unit at #116/117, KIADB Industrial area, Jigani Village, Anekal Taluk, Bangalore District-560105, Karnataka by M/s Acebright (India) Pharma Pvt. Ltd.,

- ii. The project proposal was considered by Expert Appraisal Committee (violation cases) in its meeting held on 22<sup>nd</sup> June, 2017 and 30<sup>th</sup> August, 2019. The EAC, after detailed deliberations, confirmed the case to be of violation of the EIA Notification, 2006 and recommended terms of references (TORs) for the project. The TOR has been issued by Ministry vide letter No: 23-2/2017-IA.III dated 21.01.2020.
- iii. The final EIA report was submitted to the Ministry and the project was considered in the 37<sup>th</sup> EAC meeting held on 23<sup>rd</sup> October 2020 and the Ministry sought additional information for onward issue of EC. Compliance to the observation of EAC has been submitted to Ministry on 28.12.2020.
- iv. All Synthetic organic chemicals industry (bulk drugs and intermediates) are listed at S.N 5(f) of Schedule of Environmental Impact Assessment (EIA) notification, 2006 and are appraised at Central Level by Expert Appraisal Committee (EAC) under category (A)attracting General Conditions. Current proposal is located in a critically polluted area (Jigani-Bommasandra Industrial Area).
- v. Ministry had issued EC earlier vide letter no. J-11011/11/2002-IA II(I) dated:20.06.2002 to the existing project Manufacturing of bulk drugs at #116/117, KIADB Industrial area, Jigani Village, Anekal Taluk, Bangalore District in favour of M/s Intermed Labs Pvt ltd. (Application for Transfer of Environmental Clearance from M/s Intermed Labs Pvt Ltd., to M/s Acebright (India) Pharma Pvt Ltd., was filed online vide online proposal no. 163270)- (in Expansion case/if applicable).
- vi. Existing land area is 15426.04 Sq.m; no additional land is required for proposed expansion (Expansion will be within the premises).
- vii. As per EC issued by the MoEF & CC, the industry has to maintain 25 % of green belt. The company old management has maintained 12.06% i.e., 1861.5 Sq. m of green belt in the industry. When the new management took over the industry, there was no chance for further increase of green belt inside the premises.

As per recent norms, 33% of green belt has to be maintained and in case of CEPI areas, 40 % green belt has to be maintained. Existing green belt of 0.46 acres (12.06%) is developed within the industrial premises and remaining 0.84 acres (21.00%) of green belt is being developed outside the premises in the leased land and Additional 7% of the green belt is also proposed in an area of 1.38 acres (5584.662 Sq. Mt).

- viii. The estimated project cost is Rs. 101.31 crores, total capital cost earmarked towards environmental pollution control measures is Rs.2049.885 Lakhs and the Recurring cost (operation and maintenance) will be about Rs. 131.28 Lakhs per annum.
- ix. Total employment will be 200 nos (No additional man power required). The profit benefit of the company is worked out to Rs. 18, 33, 88,000/-. As per the EAC suggestions, 3% of the profit shall be reserved for Community Resource Augmentation Plan (CRAP) which is Rs.55,01,000/-. Will be spent on community activities.
- x. Bannerghatta National Park is located at a distance of 4.08 km from project site towards SW direction and ESZ boundary is at a distance of 3.19 km. VaderaManchenahalli Lake is at a distance of 0.36 kms in S direction.
- xi. Ambient air quality monitoring was carried out at 10 locations during October 2018 to December, 2018 and submitted baseline data indicates that ranges of concentrations of PM<sub>10</sub>(46.3µg/m<sup>3</sup>- 86.3 µg/m<sup>3</sup>), PM<sub>2.5</sub>(16.5 µg/m<sup>3</sup> – 42.2 µg/m<sup>3</sup>), SO<sub>2</sub> (6.01 µg/m<sup>3</sup>-17.38 µg/m<sup>3</sup>) and NO<sub>2</sub>(9.58µg/m<sup>3</sup>-27.65 µg/m<sup>3</sup>) respectively. AAQ modeling study for the point source emissions indicates that the maximum incremental GLC after the proposed project would be 0.11 µg/m<sup>3</sup>,0.01 µg/m<sup>3</sup>and 1.41 µg/m<sup>3</sup>with respect to PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>2</sub> respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- xii. Total water requirement is 72 m<sup>3</sup>/day and of which fresh water requirement of 54 m<sup>3</sup>/day will be met from KIADB/Water Tankers and the balance 25.2 KLD will be recycled.
- xiii. Effluent of 18 KLD (Low TDS Effluent-4.5 KLD & High TDS Effluent - 12KLD, Utility-1.5KLD) is being treated in ETP. The plant is based on Zero Liquid discharge system. Domestic Sewage of 7.2 KLD is being treated in 10 KLD STP (SBR based).
- xiv. Power requirement after expansion will be 2450 KVA which will be met from Bangalore Electricity Supply Company Limited (BESCOM). Existing unit has 5 Nos DG set of 2 x 725 KVA+ 1 x 380 KVA capacity, 2 X 1010 KVA DG sets are installed as Standby Noadditional DG sets are required. DG sets are used as standby during power failure. Stack (height 6 mt ARL) provided as per CPCB norms to the existing DG sets.
- xv. Existing unit has 4000 Kg/hr & 2000 Kg/hr PNG fired Boilers are installed from 2019/20. No Additional boiler will be installed. Common Stack height of 30 mt AGL has beenprovided for the existing boilers. for controlling the particulate emissions within the statutory limit of 150 mg/Nm<sup>3</sup> for the boilers.

xvi. Details of Process emissions generation and its management:

Existing Emission Details

Stack No.	Stack attached to	Stack height (m)	Emission	Limit (mg / Nm <sup>3</sup> )	Air pollution Control Measures
1	Boiler 4000 Kg/hr (FO fired converted to PNG)	30m AGL	PM	150	Stack
2	Boiler 2000 Kg/hr (HSD fired converted to PNG)		PM	150	Stack
3	725 KVA DG set	6m ARL	SO <sub>2</sub>	--	Stack with silencer
4	725 KVA DG set	6m ARL	SO <sub>2</sub>	--	Stack with silencer
5	380 KVA DG set	6m ARL	SO <sub>2</sub>	--	Stack with silencer
6	2 X 1010 KVA DG set (Standby)	30m AGL	SO <sub>2</sub>	--	Stack with silencer
7	Scrubber-1	3m ARL	Acid mist	50	Stack with caustic scrubber
8	Scrubber-2	3m ARL	Acid mist	50	
9	Scrubber-3	3m ARL	Acid mist	50	
10	Scrubber-4	3m ARL	Acid mist	50	
11	Scrubber-5	3m ARL	Acid mist	50	
12	Scrubber-6	3m ARL	Acid mist	50	
13	Scrubber-7	3m ARL	Acid mist	50	
14	Scrubber- 8	3m ARL	Acid mist	50	
15	Scrubber-9	3m ARL	Acid mist	50	
16	Scrubber-10	3m ARL	Acid mist	50	
17	Scrubber-11	3m ARL	Acid mist	50	
18	Scrubber-12	3m ARL	Acid mist	50	

xvii. Details of solid waste/ Hazardous waste generation and its management:

**Solid Waste Management**

Description of waste	Existing Quantity	After Expansion Quantity	Mode of disposal
Domestic solid Waste	15MT/Annum	No change	<ul style="list-style-type: none"> <li>Organic waste handed over to local piggeries and inorganic waste handed over to local recyclers/agencies.</li> <li>STP sludge of 0.5Kg/d being reused for gardening purpose</li> </ul>

**Hazardous Waste Management**

S.	Hazardous	Description	Quantity /Year	Mitigation measures
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No.	waste category no.				Method of Collection	Method of Disposal
			Existing	Proposed		
1	5.1	Used oil	1.5KL /annum	No Change	Collected in leak-proof container	KSPCB authorized Reprocessor
2	5.2	Oil soaked cotton waste	0.3 MT/annum	No Change	Stored in secured manner	KSPCB authorized incinerator
3	20.3	Distillation residue	0.3 MT/annum	No Change	Stored in secured manner	KSPCB authorized TSDF
4	28.1	Residues and waste from production of drugs	6.5 MT/annum	No Change	Stored in secured manner	KSPCB authorized TSDF
5	28.3	Spent Carbon	7 MT/annum	No Change	Stored in secured manner	KSPCB authorized incinerator
6	28.4	Off- specification drugs	1 MT/annum	No Change	Stored in secured manner	KSPCB authorized incinerator
7	28.6	Spent organic solvent	160 KL/annum	No Change	Stored in secured manner	KSPCB authorized Recycler/Reprocessor
8	33.1	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	38 MT/annum	No Change	Stored in secured manner	KSPCB authorized Recycler
9	35.3	Chemical sludge from wastewater treatment plant	312.5 MT/annum	No Change	Stored in secured manner	KSPCB authorized TSDF
10	35.3	Sludge from wet scrubber	0.72 MT/annum	No Change	Stored in secured manner	KSPCB authorized TSDF

- xviii.** Public Hearing for the proposed project has been conducted by the State Pollution Control Board on **07.08.2020**. The main issues raised during the public hearing are related to **Positive feedback received and public Expressed necessary environmental Measures undertaken by the industry.**
- xix.** Details of Certified compliance report submitted by RO, MoEF&CC. **(In case of expansion Proposal)– Certified compliance report obtained from RO, MoEF & CC dated 23.04.2020 and it is reported that, the compliance to the various conditions of Environmental Clearance is Satisfactory.**
- xx.** Status of Litigation pending against the proposal if any - **The complaint has been filed by SEIAA u/s 19 of the E(P)Act, 1986 for the violation at Additional Civil Judge & JMFC at Anekal& case has been registered under PCR no. 367/2019 on 12.07.2019.**

xxi. The details of products and capacity as under:

Sl. No	Product Details	Existing Quantity, kg/month	Proposed Quantity kg/Annum	Total Quantity
1	EFAVIRENZ	0	40000	40000
2	ABACAVIR SULPHATE	0	66000	66000
3	NELFINAVIR MESYLATE	3000	-2175	825
4	RITONAVIR	0	4968	4968
5	GEMCITABINE HCL	0	400	400
6	DARUNAVIR ETHANOLATE	0	12500	12500
7	SAQUINAVIR MESYLATE	3000	0	3000
8	GABAPENTIN	0	480	480
9	GEFITINIB	0	7425	7425
10	OSELTAMIVIR PHOSPHATE	0	32000	32000
11	EMTRICITABINE	0	3000	3000
12	AGOMELATINE	0	10	10
13	MOXIFLOXACIN HYDROCHLORIC ACID	0	1890	1890
14	MONTELUKAST SODIUM	0	962	962
15	TEMOZOLOMIDE	0	272	272
16	ERLOTINIB HCL	0	300	300
17	IMATINIB MESYLATE	0	17108	17108
18	LOPINAVIR IP	0	41140	41140
19	PEMETREXED DISODIUM	0	978	978
20	AMLODIPINE BESYLATE	0	3000	3000
21	SORAFENIB TOSYLATE	0	1528	1528
22	CAPECITABINE	0	28500	28500
23	ATAZANAVIR SULPHATE	0	10212	10212
24	GLATIRAMER ACETATE	0	174	174
25	DASATINIB	0	1012	1012
26	MYCOPHONOLATE MOFETIL	0	5000	5000
27	TENOFOVIR DISOPROPYL FUMERATE	0	80090	80090
			<b>Total Production</b>	<b>3,62,774 Kg/Annum</b>

Environmental Clearance was obtained for the production of 6 products, out of which 4 will be stopped and 2 nos. of products will be continued in the current proposal.

The proposed change in product mix proposal includes 25 new products + 2 existing products.

Total 27 products with total manufacturing capacity of **3,62,774 Kg/Annum**.

Sl. No	Product Details	Existing Quantity	Proposed Quantity kg/Annum	Total Quantity	Remarks
1	APIs and Intermediates	52000 Kg/A + 338020 Kg/A (3,90,020Kg/A)	310774 Kg/A	362774 Kg/A	Intermediates quantity of 338020 Kg/A was not mentioned in the earlier EC

**Observation and recommendation of the EAC (violation) in earlier meeting in the 37<sup>th</sup> meeting held on 22nd-23rd October, 2020:**

Earlier proposal for EC was considered in the 37<sup>th</sup> meeting held during 22-23 October, 2020. Project proponent made the detailed presentation on the project. EAC after detailed presentation by the PP, observed the following:

EC was obtained from MOEF & CC on 20.06.2002 for manufacturing 6 products of quantity 52 TPA which includes 338.02 TPA intermediates. The industry has undertaken change in product mix for 16 product of quantity 245.62 TPA which includes 144 TPA of intermediates in 2009 and obtained CFE from KSPCB. The industry again planned for change in product mix for 27 product of quantity 245.154 TPA which includes 117.6 TPA of intermediates in 2015 and obtained CFE from KSPCB. Subsequently, when it was applied for CFO, the KSPCB advised to obtain EC for change in product mix. As the PP has gone for expansion without taking prior EC from MoEFCC is a violation of the EIA Notification.

EAC further observed that the name of the company has changed from M/s. Intermed Labs Private Ltd. to M/s. Cdymax (India) Pharma Pvt. Ltd. Again changed from M/s. Cdymax (India) Pharma Pvt. Ltd to M/s. Ace bright (India) Pharma Pvt. Ltd. The proposal has been submitted to MoEF&CC (Online proposal no.163270) for Transfer of EC.

EAC further observed that case has been filed by SEIAA u/s 19 of the E(P)Act, 1986 for the violation at Additional Civil Judge & JMFC at Anekal under PCR no. 367/2019 on 12.07.2019.

EAC after detailed deliberation on the information submitted to the Ministry (Form 2, EIA/EMP report, Public Hearing etc) and as presented, deferred the project for want of following information:

1. Capital cost shall be revised considering all assets added progressively during the violation period.
2. Justification for having large inventory of chemicals which seems to be more than a monthly consumption.
3. EMP shall be prepared in such a way that it will be implementable and monitorable.
4. Details of reaction and mass balance shall be submitted.
5. Ionic balance, pH, SAR shall be revisited and revised.
6. Interpretation of water quality for the parameters studied.
7. Worst Case Scenario and risk assessment shall be studied using 3D modelling.
8. Land use plan before and after establishment of the industry should be submitted in tabular form

9. Details of green belt developed in the industry with photographs and justification for not having 33% of it.
10. STP capacity should be justified as per water requirement.
11. Conservation plan of the entire Schedule I species observed in the study area should be prepared with proper budget allocation and submitted to Competent Authority for approval.
12. Rework on the entire damage assessment. Damage assessment for air and water shall be revised as suggested including cost saved in implantation of WL conservation plan and recurring cost of the EMP on the expansion part.
13. Profit benefit accrued shall be added to CRAP (3%)
14. Details of sensors in the plant for even small VOCs emission/solvent leakage along with photographs. Emergency preparedness plan in the event of failure of sensors to detect the emission.
15. Details of green chemistry in regard to reduce requirement of natural resources and less carbon footprint.

**Observation and recommendation of the EAC (violation) in 41<sup>st</sup> meeting (present meeting) held on 15.01.2021:**

Above information were submitted to the Ministry through Parivesh Portal on 28.12.2020, including the study of worst case scenario and risk assessment using 3D modelling, details of sensors etc and accordingly proposal was considered in the 41<sup>st</sup> EAC (violation) held on 15.01.2021. Project Proponent made the detailed presentation on the additional information sought by the EAC. After detailed presentation, EAC noted PP has now submitted the compliance on the additional information. EAC deliberated on the justification given for having large inventory of chemicals, revised EMP, mass balance, risk assessment using modelling tools, Land use plan before and after establishment of the industry etc.

EAC further observed that PP has reworked on the damage assessment and submitted total cost of Rs 248.47 lakhs towards Remediation Plan, Natural & Community Resource Augmentation Plan (Rs 147.16 lakhs and 1% Contribution from Capital Cost against community welfare activity (Rs 101.31 lakhs).

After detailed deliberation, EAC suggested PP that damage cost of RS 147.16 lakhs shall be spent for activities proposed under Remediation Plan, Natural & Community Resource Augmentation Plan and Rs 101.31 lakhs being 1% of the capital cost shall be spent under EMP for community welfare. EAC advised PP to revise the same and submit the same to the Ministry. EAC also advised PP to submit the undertaking for completion of deficient plantation against total green belt. As advised by the EAC, PP submitted the compliance to the EAC through email on 18.01.2021.

EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Additional information, Annexure etc), **recommended** the proposal for grant of Environmental Clearance subject to the compliance of the following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of Rs 147.16 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given on next page:

### Remediation Plan

S.No	Component Remediation	Remediation Proposed	Description	Locations	Rate	Total Qty	Total Cost (Rs)	Year I	Year II
1	Air & Noise Environment	Avenue Plantation	Plantation of native plants at 90% survival rate ; with allocated cost of each sapling of not less than Rs.1000, including maintenance for 3 years	1.Plantation in the KIADB Area 2.Jigani village	1000	4,215	42,15,000	21,07,500	21,07,500
<b>Grand Total (Rs.)</b>							<b>42,15,000</b>	21,07,500	21,07,500

### Natural Resource Augmentation plan with year wise budget

S.No	Activity	Description	Locations	Rate	Total Qty.	Total Cost (Rs.)	Year I	Year II	Year III
1a.	Ground Water regime recharging	Construction of RWH-24 Nos @ 1,00,000/per RWH (including raw material, labour, construction	1.Jigani Village 2. Konasandra 3.Harapanahalli 4.Giddenahalli 5. Vaddarahalli 6. Haragadde 7.Bukkasagara 8. Madapatna	1,00,000	40	40,00,000	20,00,000	10,00,000	10,00,000

		and maintenance for one year). 5 Nos in each location.							
1b.	Energy Conservation by adapting Green Energy technology	Providing 1 KW Solar Street Lighting (including panels, inverters, wiring, structure, connectors, junction boxes, etc.) in nearby villages @ Rs.50, 000 per unit. 5 Nos each location to be installed.	1.KIADB complex 2.Jigani Village 3.Konasandra 4.Haragadde	50,000	20	10,00,000	4,00,000	3,00,000	3,00,000
<b>Sub-Total A (1a + 1b) in Rs.</b>						<b>50,00,000</b>	<b>24,00,000</b>	<b>13,00,000</b>	<b>13,00,000</b>

**Community Resource Augmentation plan with year wise budget**

S. No	Activity	Description	Locations	Rate	Total Qty.	Total Cost (Rs.)	Year I	Year II	Year III
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2a.	Infrastructure Development	Construction of following public facilities in nearby 8 villages & within KIADB complex, Jigani. 1. Water Treatment Plants 2. Public Toilets 3. Maintaining water bodies nearby villages 4. Repairing Sewer Lines	1. Jigani Village 2. Konasandra 3. Harapana halli 4. Giddenahalli 5. Vaddarahalli 6. Haragadda 7. Bukkasagara 8. Madapatna	4,06,375	8 Locations	32,51,000	16,20,000	8,15,500	8,15,500
2b.	Improving socio-economic & Health conditions during the pandemic (CoVID 19)	Providing materials related to Covid-19 prevention to the nearby villagers. (@ Rs.2,50,000/village). 1. Placement of 7 Nos in each village Viral disease air & surface transmission prevention equipment for active containment of the pathogens (Including Corona family of viruses) - Rs.25,000/unit. 2. Masks- Rs.50,000 (Distribution of 2000 masks@	1. Jigani Village 2. Konasandra 3. Harapana halli 4. Giddenahalli 5. Vaddarahalli 6. Haragadda 7. Bukkasagara 8. Madapatna 9. KIADB Office Complex	2,50,000	9 Locations	22,50,000	14,00,000	4,25,000	4,25,000

		Rs.25/mask) 3. Sanitisors- Rs.25, 000 (Distribution of 500 sanitizers @ Rs.50/sanitizer).							
<b>Total</b>						<b>55,01,000</b>	<b>30,20,000</b>	<b>12,40,500</b>	<b>12,40,500</b>

**Summary:**

<b>Sl. No.</b>	<b>Description</b>	<b>Estimated cost (Rs. in Lakhs)</b>
1	Remediation Plan	42.15
2	Natural Resources Augmentation Plan	50.00
3	Community Resources Augmentation Plan	55.01
<b>Total</b>		<b>147.16</b>

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 147.16 lakhs. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 147.16 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- iii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB)

concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.

- v. Project Proponent shall spend an amount of Rs 101.31 lakhs on following activities towards community development activities under EMP which shall be monitorible by the Regional office, MoEFCC.

S. No	Remediation Proposed Description	Locations	Rate	Total Qty.	Total Cost (Rs)	Year I	Year II	Year III
1	Distribution of tabs for Govt. school children's with Wifi facility, electronic gadgets, creating library & park development construction/improve	Konasandra/ Manchenhalli/ Haragadde Jigani/madapatna /Vaddarpalya /Kallabalu/ Machalingapur/ Bommadhanalli	LS	LS	20,00,000	7,00,000	7,00,000	6,00,000
2	Providing adequate Furniture, Installation of water treatment Plant for safe drinking water supply at nearby School, Construction of toilets for girls & boys, Street light to villages, Lake development, Financial Support for Rain water harvesting in villages & Distribution of saplings.	Konasandra/ Manchenhalli/ Haragadde /Jigani/ Madapatna Naddarpalya /Kallabalu/ Machalingapur/  Bommadhanalli	LS	LS	66,31,000	22,31,000	22,00,000	22,00,000
3	Provide full-fledged Ambulance with vital facility, stretcher, breathing apparatus,	Jigani  /Haragadde  /Mahanthalingapura	15,00,000	1	15,00,000	15,00,000	--	- -
<b>Grand Total (Rs.)</b>					<b>1,01,31,000</b>			

- vi. Preventive measures to be taken to control ignition sources in bulk storage area and fire protection system to be established above ground storage tanks. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.

- vii. Proper precautions to be taken to prevent inadvertent mixing of chemicals. Standard operating procedures to be strictly followed during handling of chemicals.
- viii. Solvents shall be stored in a separate space specified with all safety measures. Project Proponent shall keep inventory of solvents and fuel not more than five days. Sensors for odours will be installed at sensitive locations.
- ix. Project Proponent to ensure proper disposal of Hazardous wastes.
- x. Project Proponent shall create green belt (peripheral plantation) as per guidelines of MoEF.

**41.3.3. Discussion on any other item with permission of the Chair**