

**27<sup>th</sup> meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 31<sup>st</sup> October - 1<sup>st</sup> November, 2019 at Conference Hall (Brahmaputra), First Floor, Vayu Wing, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003**

**Day 1: 31<sup>st</sup> October, 2019**

**Time: 10:00 AM**

27.1. Opening remarks of the Chairman

27.2. Confirmation of the minutes of the 26th meeting held on 30th September - 1st October, 2019 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

Confirmed

27.3 Proposal for consideration

S.NO	Proposals
27.3.1	<p><b>Expansion project for production of Ferro Alloys from 16,100 TPA to 37,800 TPA at Village Bhutberia, P.O. Mihijam, District Jamtara (Jharkhand) by M/s Anjaney Ferro Alloys Ltd. - Environmental Clearance</b></p> <p><b>[IA/JH/IND/109793/1991 dated 14.10.2019] [F. No. J-11011/128/2017-IA-II (I) ]</b></p>
27.3.1.1	<p>M/s Anjaney Ferro Alloys Ltd. has made online application vide proposal no. IA/JH/IND/109793/1991 dated 14.10.2019 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under the Schedule 3(a) to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
27.3.1.2	<p><b>Details of the project as per the submission of project proponent:</b></p> <ol style="list-style-type: none"> <li>The expansion project of M/s. Anjaney Ferro Alloys Limited, located at Village – Bhutberia, P.O. Mihijam, District – Jamtara of Jharkhand was received in the Ministry on 29.12.2017 for obtaining Terms of Reference (ToR) as per EIA Notification, 2006 and S.O. 804(E). The project was appraised by the Expert Appraisal Committee (Violation) during its 6<sup>th</sup> meeting held on 19/04/2018. Accordingly, the Ministry of Environment, Forest &amp; Climate Change (MoEF&amp;CC) had prescribed ToR to the project on 31.05.2018 vide Lr.No. J-11011/128/2017-IA.II (I).</li> <li>Based on the ToRs prescribed to the project, the project proponent submitted an application for environmental clearance to the Ministry online on 02.07.2019 vide Online Application No. IA/JH/IND/109793/1991 along with Final EIA/EMP, Public Hearing details, Form-2 and other relevant documents.</li> </ol> <p><b>3. Chronology of Events</b></p> <ul style="list-style-type: none"> <li>NOC was accorded by Bihar State Pollution Control Board vide letter No. 829 dated 15/07/1991 for production of 7 TPD (2450 TPA) of Ferro alloy through 3.5 MVA Submerged Arc Furnace (SAF# 1).</li> <li>NOC was accorded by Bihar State Pollution Control Board vide letter No. T-5787 dated 01/12/1999 for production of 8 TPD (2,800) Ferro Manganese through 1.5 MVA Electric Arc Furnace (EAF# 1).</li> </ul>

- NOC was again accorded by Jharkhand State Pollution Control Board vide letter No. N-85 dated 09/02/2005 for production of 31 TPD (10,850 TPA) Silico-manganese through 8.25 MVA Submerged Arc Furnace (SAF# 2).
- NOC was accorded by Jharkhand State Pollution Control Board vide letter No. N-87 dated 03/10/2007 for production of 62 TPD (21,700 TPA) of Ferro alloy through 2x8.25 Submerged Arc Furnace (SAF#3 & 4).
- The installation of units 2x8.25 MVA SAF# 3 & 4 (62 TPD) was required prior EC as per EIA Notification, 2006. Since the PP has installed the units after obtaining NOC and not obtained the EC, the units were considered under Violation as per EIA notification, 2006.
- The JSPCB has accorded CTO for the total 108 TPD production Ferro-alloys till 2012 vide letter No. B-1104 dated 28/03/2012, however, PP was accorded CTO from JSPCB for only 46 TPD Ferro alloy production vide letter No. B-3651 dated 31/05/2013 and directed the Project proponent to stop the operation of 62 TPD Ferro alloys through SAF# 3 & 4, since the units are under Violation as per EIA notification,2006 and will be granted CTO for the same only after obtaining EC from MoEFCC.
- The project proponent filed an appeal in Jharkhand High Court against the refusal of CTO and closure notice for SAF #3 & 4 (62 TPD) dated 31/05/2013 issued by JSPCB. Hon'ble High Court vide order dated 28/11/2013, directed for the said closure notice to be kept in abeyance.
- The PP submitted ToR application for the violation units (62 TPD production from SAF#3&4) to MoEF&CC on 23/07/2013.
- Proposal was considered in 12th EAC meeting wherein the Committee recommended that MoEF&CC shall deal this violation matter in accordance with OM. Dated 12-12-2012 and 27-06-2013.
- MoEF&CC vide letter 13th December, 2013 communicated to the PP that the proposal will be processed after matter relating to violation to put-up to the Board of Directors of the Company for consideration of environmental related policy or plan of action and a written communication in the form of formal resolution is submitted to MoEF to ensure violation under EP (Act) will not be repeated”.
- State Government has initiated credible action on the violation and evidence provided to the MoEF.
- Board of Directors of M/s Anjaney Ferro Alloys Ltd., passes the resolution where the Board affirm that, Company will not violate any of the provisions of the Environmental (Protection) Act, 1986 and that of EIA Notification, 2006 and will act in conformity with all conditions and obligations required to be followed under the EC granted by MoEF on the merit and company already complying with all applicable environmental policies and law, the company will ensure compliance in future as well. The Copy of the resolution was submitted to the Director (IA), MoEFCC
- Closure Notice from JSPCB was issued vide letter No. 2243 dated 30/08/2016 for not operating 62 TPD Ferro alloy units.
- The Expansion proposal of Ferro Alloys Plant (16,100 TPA to 127,750 TPA) was reapplied to MoEF&CC on 03/11/2016.

- The court case was transferred from Jharkhand High court to NGT (EZ), Kolkata on 16/02/2017 due to involvement of substantial questions on Environment.
- The National Green Tribunal (EZ) at Kolkata vide order dated 19/4/2017 in OA No. 48- THC/2011/EZ in the matter of M/s Anjaney Ferro Alloys Ltd. Vs State of Jharkhand & Ors. has directed the MoEF&CC to consider the application submitted by the petitioner/applicant and dispose it of expeditiously in accordance with law.
- Hon'ble Tribunal vide their further order dated 30/05/2017 has directed the MoEF&CC to dispose of the matter within a reasonable period thereafter having regard to the fact that the unit of the applicant has remained closed for a long time.
- Online application for ToR was submitted to MoEF&CC for obtaining environmental clearance for the installed units (SAF#3 & 4) and for the proposed Units for the production of 257 TPD (i.e. expansion from 16,100 TPA to 1277,550 TPA Ferro Alloys) vide F.No. J-11011/221/2013-IA.II (I) dated 03/11/2016.
- The EAC (Industry-1) in its 19th Meeting held on 8th June, 2017, referred the proposal to separate Expert Appraisal Committee to appraise the projects, which have started the work without taking prior environmental clearance and such cases have been termed as cases of violation.
- The proposal was considered in 6th EAC (Violation) meeting held on 19/04/2018 and the committee recommended grant of ToR for the project.
- MoEF&CC issued the ToR vide F.No. J-11011/128/2017-IA.II (I) dated 31/05/2018 for the expansion from 16,100 TPA to 37,800 TPA Ferro Alloy production.
- The Draft EIA was submitted to JSPCB for conducting Public hearing and the Public Hearing was conducted on 29.01.2019.
- Final EIA along with Form-2 was submitted on 02/07/2019 at MoEF&CC.

4. The proposed capacity for different products for site area as below:

Units & Capacities installed prior to EIA Notification, 2006		Units installed in 2007 & (under Violation (not in operation))		Total Units and Capacities after regularization	
Units	Production in TPA	Units	Production in TPA	Units	Production in TPA
1x3.5 MVA SAF #1	2,450	-	-	1x3.5 MVA SAF#1	2,450
1x1.5 MVA EAF#1	2,800	-	-	1x1.5 MVA EAF	2,800
1x8.25 MVA SAF#2	10,850	2x8.25 MVA SAF#3&4	21,700	3x8.25 MVA SAF#2,3&4	32,550
<b>Total</b>	<b>16,100</b>	-	<b>21,700</b>	-	<b>37,800</b>

5. No additional land was required for the project. The project was installed within existing plant area of 2.61 Ha. No forest land is involved. It has been reported that no water body exist around the project and modification/diversion in the existing natural drainage pattern at any stage has not been proposed.

6. The topography of the area is Gently undulating and The center geographical co-ordinates of the project site are Latitude-23°49'36.3"N and Longitude-86°53'04.5"E with Mean Sea Level of 187 meters. The ground water table reported to ranges between 4.92 to 9.67 mbgl during the post-monsoon season and 11.05 to 7.30 mbgl during the pre-monsoon season.
7. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. are reported to be located in the core and buffer zone of the project. The area also does not report to form corridor for Schedule-I fauna.
8. The process of project showing the basic raw material used and the various processes involved to produce the final output, waste generated in process.

**Basic Raw Material Used**

Raw Materials	Requirement	Source	Mode of Transportation	Distance from source to Plant
<b>Production - 37,800 TPA</b>				
Manganese Ore	68,250	Imported from South Africa, Australia & Brazil	By Road from Haldia Port	250 km from Port
Fe Mn Slag (25%-32%)*	18,900	Tata Steel Ltd.  Local Ferro Manganese Producers	By Rail up to Railway Siding at Chittaranjan – 4 km By Road	350 km by Rail  25 km
Coke	15,400	Local Coke Suppliers & Dhanbad	By Road	40 km
Coal	15,400	Coal India - BCCL	By Road	60 km
Quartz	11,500	Jamtara & Purulia District	By Road	20 km
<b>Total</b>	<b>1,29,500</b>	-	-	-

Process involved

Present operation of the plant is for production of 16,100 TPA (46 TPD) Ferro Alloys (Silico Manganese and Ferro Manganese) from 1 x 1.5 MVA EAF and 2 nos. of SAF (one furnace of capacity 3.5 MVA, other 8.25 MVA). Proposed production of 62 TPD (21,700 TPA) will be through installed units (SAF#3&4), presently closed due to violation of EIA Notification, 2006 for production of Ferro Alloys.

Waste Generated in process

Type of Waste	Quantity in Tons/year			Mode of Disposal
	Existing	Additional	Total	

Slag	12,250	16,450	28,700	Sold at nominal value for construction and layering of highways, roads and walls due to its hardness and stony characteristics
Bag Filter Dust	350	477	827	Recycled in the process

9. Final products which will be available for sales are Ferro Manganese and Silico Manganese. Total production after the expansion will be 37,800 TPA. The raw material transportation will be done through rail and road.
10. The water requirement of the project is estimated at 50 m<sup>3</sup>/day will be met from Ground water through Bore well. The permission for drawl of ground water is obtained from CGWA on 07.05.2018.
11. The power requirement of the project is estimated 13000 KVA which will be obtained from the Damodar Valley Corporation. The company has also installed 1 x 63 KVA & 2 x 150 KVA DG set meeting emergency requirements of the plant.
12. Baseline Environmental Studies were conducted during Summer Season i.e. from 01.03.2018 to 31.05.2018. Ambient air quality monitoring has been carried out at 8 locations during study period indicates: PM<sub>10</sub> (76.3 to 91.7 µg/m<sup>3</sup>), PM<sub>2.5</sub> (36.1 to 52.5 µg/m<sup>3</sup>), SO<sub>2</sub> (7.6 to 22.3 µg/m<sup>3</sup>) and NO<sub>x</sub> (13.2 to 27.5 µg/m<sup>3</sup>). The results of the modeling study indicate that the maximum increase of GLC for the proposed project is 5.2 µg/m<sup>3</sup> with respect to the PM<sub>10</sub>, 4.8 µg/m<sup>3</sup> with respect to SO<sub>2</sub> and 4.1 µg/m<sup>3</sup> with respect to the NO<sub>x</sub>.
13. Ground water quality has been monitored in 8 locations in the study area and analyzed. pH: 7.31 to 7.88, Total Hardness: 253.2 to 353.8 mg/l, Chlorides: 68.7 to 164.7 mg/L, Fluoride: 0.85 to 1.25 mg/L. Heavy metals are within the limits. Surface water samples were analyzed from 8 locations. pH: 7.38 to 7.92, DO: 5.7 to 6.8 mg/l and BOD: 13 to 22.5 mg/l, COD from 43.4 to 62.6 mg/l.
14. Noise levels are in the range of 49.45 to 60.27 dB(A) for day time and 39.86 to 53.52 dB(A) for night time.
15. It has been reported that there are no people in the core zone of the project has been displaced. No R&R is involved.
16. The project proponent has already developed green belt in 0.88 ha. of land (33% of Total area) with about 3500 trees. However, the green belt will be maintained and more indigenous trees will be planted in place of non-survival trees. A budget of Rs. 2 lakhs has been kept for Green belt development/Maintenance.
17. The latest 'Consent to Operate' for production of 46 TPD, from the Jharkhand State Pollution Control Board, was obtained vide Lr. No JSPCB/HO/RNC/CTO-3680093/2018/1947 dated 07.12.2018 and consent is valid up to 31.12.2019.
18. A Budget of 48.5 lakhs has been allotted to remediation plan and natural and community resource augmentation plan.

	<p>19. The public hearing was conducted on 29.01.2019 at Shakuntala Reception Hall, Mihijam, district Jamtara at 11:00 am by Jharkhand State Pollution Control Board. The Public Hearing venue was 1.5 km away from the project site. The public hearing was chaired by Mr. Nand Kishore Lal, Additional Controller, Jamtara. The issues raised during public hearing and response of the project proponent with action plan are pollution, potable drinking water, employment etc. An amount of Rs 24 Lakhs has been earmarked for CER based on public hearing issues.</p> <p>20. The capital cost of the project is Rs 23.38 crores and the capital cost for environmental management is proposed as Rs 99.45 Lakhs. The annual recurring cost towards the environmental management is proposed as Rs 12 Lakhs/year. An amount of Rs 24 Lakhs has been earmarked for CER based on public hearing issues and need based assessment. The employment generation from the proposed expansion is 250.</p> <p>21. The proponent has mentioned that there is no court case to the project or related activity.</p> <p>Name of Environment Consultant – <b>M/s Vardan Environet</b>. S.L. No. 158 in QCI list of accredited consultants dated 15.10.2019. Certificate No. NABET/EIA/1619/SA 077.</p>
<p><b>27.3.1.3</b></p>	<p><b>Observations and recommendations of EAC in the present meeting held on 31<sup>st</sup> October - 1<sup>st</sup> November, 2019:</b></p> <p>PP along with the consultant made a detailed presentation on the proposal. The EAC observed that PP has submitted compliance report of CTO from State PCB. The EAC after detailed deliberation on the information submitted by the EAC and as presented, <b>deferred</b> the proposal for want of following submissions:</p> <ol style="list-style-type: none"> <li>1. CER cost to be revised as per the green field project.</li> <li>2. Damage cost to be revised on the basis of quantification of damage due to air quality, water used during construction phase and operation phase.</li> <li>3. Violation is from 2006 onwards and 3% of net profit to be loaded to damage cost.</li> <li>4. Air quality prediction to be done during violation phase and included in calculating the damage cost.</li> <li>5. Product details during violation period to be submitted.</li> <li>6. Details of green belt along with the photographs to be submitted.</li> <li>7. Pre mining and post mining details of Land use/Land change to be submitted.</li> <li>8. PP should submit the report with EMP cost and saving on EMP cost, if any for calculation of damage cost,</li> <li>9. Status of credible action under section 19 be submitted</li> <li>10. Health risk assessment of the employees working near the Submerged Arc Furnace and people of the surrounding due to gases emitted from the Submerged Arc Furnace.</li> <li>11. Disposal pattern of slag with analysis with respect to heavy metals.</li> <li>12. Submission of the total cost of the project</li> <li>13. Submission of credible action proof.</li> <li>14. Revised Public Hearing table regarding issues raised with commitment made by the proponent with time bound action plan along with fund provision.</li> <li>15. Copy of latest environmental statement submitted to state PCB.</li> </ol>

	<p>16. Line diagram showing the pollution equipment to be submitted.</p> <p>17. Photograph showing existing green belt and pollution control equipment to be submitted.</p>
<b>27.3.2</b>	<p><b>Expansion of Manufacturing of Bulk Drug &amp; Intermediates (from 12.85 TPM to 34.8658 TPM) at Gut No. 204, Nashik-Mumbai Highway, Vadivarhe, Taluka Igatpuri, District Nashik, Maharashtra by M/s Vadivarhe Specialty Chemicals Ltd. - Environmental Clearance</b></p> <p><b>[IA/MH/IND2/87354/2016 dated 05.10.2019] [F. No. J-11011/123/2016-IA.II(I) ]</b></p>
<b>27.3.2.1</b>	<p><b>M/s Vadivarhe Specialty Chemicals Ltd.</b> has made online application vide proposal no. <b>IA/MH/IND2/87354/2016 dated 05.10.2019</b> seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
<b>27.3.2.2</b>	<p><b>Details of the project as per the submission of project proponent:</b></p> <p>Proposed is for Bulk Drugs &amp; Drugs Intermediates manufacturing project M/s. Vadivarhe Speciality Chemicals Ltd. at Gate No. – 204, Nashik – Mumbai highway, A/p – Vadivarhe, Tal. – Igatpuri, Dist. – Nashik – 422 403 (Maharashtra)</p> <p>M/s. Vadivarhe Speciality Chemicals Ltd. is in the Bulk Drugs &amp; Drugs Intermediates manufacturing. It is a limited organization engaged in manufacturing Synthetic Organic Chemicals (Bulk Drugs &amp; Drugs Intermediates) manufacturing products since 2007. Currently, M/s. Vadivarhe Speciality Chemicals Ltd. has contemplated a major expansion of its products &amp; production capacity of the plant at Igatpuri.</p> <ol style="list-style-type: none"> <li>1. Name &amp; Address of the Project :- M/s. Vadivarhe Specialty Chemicals Ltd. (VSCL) Gate No. – 204, Nashik – Mumbai highway, A/p – Vadivarhe, Tal. – Igatpuri, Dist. Nashik – 422 403 Maharashtra</li> <li>2. Area of the Project :- Total Area – 12500 Sq.M Green Belt Area – 4600 Sq. M (36.8%)</li> <li>3. Location co-ordinate :- Latitude: 19°50'49.73"N , Longitude: 73°40'46.08"E</li> <li>4. Product type :- Bulk Drugs &amp; Drugs Intermediates</li> <li>5. Production capacity :- Existing: 12.85 MT/Month, Proposed: 22.01815 MT/Month, Total: 34.868 MT/Month</li> <li>6. Total Project Cost :- 36 Cr.</li> <li>7. Manpower :- 150 Nos. (Current: 120 Nos. + Proposed: 30 Nos.)</li> <li>8. Power Supply :- MSEDCL (450 KVA), DG Set (Standby-250 KVA)</li> <li>9. Source of Water :- Tanker</li> <li>10. Total Water Requirement :- 54.41 KLD Fresh Water: 37.92 KLD</li> <li>11. Total Effluent Generation :- 24.71 KLD, Recycled: 16.49 KLD</li> <li>12. Effluent Treatment &amp; management :- Industrial effluent will be treated in RO &amp; MEE then after it will be reused in gardening, flushing, cooling &amp; washing activity</li> <li>13. Flue Gas Stack details :- 1. Non IBR Boiler – 2TPH (1 Nos.) Stack Height: 30 meter</li> </ol>

2. D.G. Set – 250 KVA (1 Nos.) Stack Height: 6 meter

14. Process Gas Stack Details :- Reaction Vessel Stack Height: 24 m

15. Fuel Consumption:- Fire Briquettes: 3 MT/Day HSD: 50 Liter/Hr.

16. Hazardous waste generation & its management

Sr. No.	Cat .	Name of Hazardous Waste	Existing Qty	Proposed	Total	Disposal
1.	5.1	Used/ spent Oil	0.55 kg/day	4.45 kg/day	5 kg/day	CHWTSDF/sale to authorized re-processor
2.	20.3	Distillation Residue	2.6 kg/day	102.5 kg/day	2410.1 kg/day	CHWTSDF
3.	28.1	Waste Residue		105 kg/day		CHWTSDF
4.	28.6	Spent solvent		2200 kg/day		Sale to authorized vendor/recycler
5.	35.3	ETP Sludge	2.19 kg/day	124.48 kg/day	126.67 kg/day	CHWTSDF
6.	35.4	Oil and greasen skimming	0.05 kg/day	0.45 kg/day	0.5 kg/day	CHWTSDF
7.	-	Filter material	0.16 kg/day	5.5 kg/day	5.66 kg/day	CHWTSDF
8.	28.4	Discarded product material ( R & D basis)	-	5 kg/day	5 kg/day	CHWTSDF
9.	33.1	Discarded containers	20 nos./Month	45 nos./month	65 nos./Month	Reuse/recycle/ Sale to authorized vendor/recycle
10.	37.3	MEE salts	-	40 kg/day	40 kg/day	CHWTSDF

Product details:

Sr. No.	Product Name	Monthly Production		
		Existing MT/M	Proposed MT/M	Total MT/M
<b>Group A – Orthoesters</b>				
1	Trimethyl ortho Propionate	0.2500	0.0000	0.2500
2	Tributyl ortho Propionate	0.1000	0.0000	0.1000
3	Trimethyl ortho Valerate	0.2000	0.0000	0.2000
4	Trimethyl ortho Butyrate	0.0500	0.0000	0.0500



5	Trimethyl ortho Benzoate	0.0500	0.0000	0.0500
6	Tributyl ortho Valerate	0.2500	0.0000	0.2500
7	Trimethyl Orthoacetate	0.0000	0.0400	0.0400
<b>Group B - Cosmetic Chemicals</b>				
8	Aloe Vera juice (Stabilised)	0.0000	8.3300	8.3300
9	Lecithin powder	0.0000	0.0080	0.0080
10	Sodium Thioglycolate (powder)	0.1000	0.0000	0.1000
11	Calcium Thioglycolate (powder)	0.1000	0.0000	0.1000
12	Ammonium Thioglycolate (solution)	0.0000	0.0800	0.0800
13	5-Bromo,5-Nitro,1:3 Dioxane	0.0000	0.0040	0.0040
14	Brij (Wax)	3.0000	0.0000	3.0000
15	Hydol (Wax)	3.0000	0.0000	3.0000
16	Stereoamido propyl dimethyl amine (wax) (SAPDMA)	3.0000	0.0000	3.0000
<b>Group C - Indole Derivatives</b>				
17	Indole-3-methanol (Indole-3-carbinol)	0.0000	0.0080	0.0080
18	Indole-3- carboxylic acid	0.0000	0.0080	0.0080
19	Indole-5- carboxylic acid	0.0000	0.0080	0.0080
20	3-(Demethylaminomethyl)Indole (Gramine)	0.0000	0.0008	0.0008
21	Indole-3-carboxaldehyde (Indole-3- aldehyde)	0.0000	0.0080	0.0080
22	3- Cyanoindole	0.0000	0.0080	0.0080
23	Heck Coupled Product	0.0000	0.0080	0.0080
<b>Group D - Speciality Chemicals</b>				
24	Quinoline-6- Carboxylic acid	0.0000	0.0800	0.0800
25	Di methyl Malonic acid	0.0000	0.0080	0.0080
26	4-Chloro-3-Nitroanisole	0.0000	0.0800	0.0800
27	1-Bromo-4-tert butyl benzene	0.5000	0.0000	0.5000
28	Sodium Hippurate hydrate	0.0000	0.0800	0.0800
29	4-Morpholinoaniline	0.0000	0.0080	0.0080
30	N-Benzylglycine ethyl ester	0.0000	0.0400	0.0400

31	6-Methoxyquinoline	0.0000	0.0080	0.0080
32	1-Bromo-2-methyl propane	0.0000	0.0040	0.0040
33	Cheamide	0.0000	0.4100	0.4100
34	L-Cystine disodium Salt	0.0000	0.0080	0.0080
35	Tert-Butoxy-bis (dimethyl amino)methane (Bredereck's reagent)	0.2000	0.1963	0.3963
36	Propionyl chloride	0.0000	0.0400	0.0400
37	3-Aminophthalhydrazide sodium salt	0.0500	0.0000	0.0500
38	Phenyl phosphate disodium salt	0.0000	0.0080	0.0080
39	3-Aminophthalhydrazide (Luminol)	0.2000	0.0000	0.2000
40	Chloro Atavaquinone	0.0000	0.0080	0.0080
41	Immidazolyl acetic acid	0.0000	0.0082	0.0082
42	4-Aminomorpholine	0.4000	0.0000	0.4000
43	2-Amino-4-HydroxyAcetophenone Hydrochloride	0.0000	2.6600	2.6600
44	Ethyl Atropate (EA)	0.5000	0.0000	0.5000
45	N-N Dimethyl Formamide Dimethyl Acetal (DMFDMA)	0.2000	0.0000	0.2000
46	Ethyl-N-Dodecanoyl-L-Arginate Hydrochloride	0.5000	0.0000	0.5000
47	Misc. Chemicals in R & D Lab	0.2000	0.0000	0.2000
<b>Group E – API</b>				
48	Methdilazine hydrochloride	0.0000	0.0400	0.0400
49	Phenylepherin Hydrochloride (PPH)	0.0000	0.0400	0.0400
50	Adapalene	0.0000	0.0005	0.0005
51	Tazarotene	0.0000	0.0020	0.0020
52	Glimepiride	0.0000	0.0250	0.0250
53	Telmisartan	0.0000	0.0500	0.0500
54	Rosuvastatin Calcium	0.0000	0.7500	0.7500

55	Montelukast sodium	0.0000	0.0500	0.0500
56	Olanzapine	0.0000	0.0500	0.0500
57	Moxifloxacin hydrochloride	0.0000	2.0000	2.0000
58	Topiramate	0.0000	0.2500	0.2500
59	Risperidone	0.0000	0.0500	0.0500
60	Olopatadine hydrochloride	0.0000	0.0040	0.0040
61	Escitalopram oxalate	0.0000	0.1000	0.1000
62	Brimonidine tartrate	0.0000	0.0015	0.0015
63	Strontium ranelate	0.0000	0.1000	0.1000
64	Nepafenac	0.0000	0.0008	0.0008
65	Desloratidine	0.0000	0.2000	0.2000
66	Olmesartan Medoxomil	0.0000	0.0080	0.0080
67	Nitazoxanide	0.0000	0.2500	0.2500
68	Atorvastatin calcium	0.0000	2.0000	2.0000
69	Bromfenac sodium	0.0000	0.0015	0.0015
70	Febuxostat	0.0000	0.2500	0.2500
71	Prasugrel hydrochloride	0.0000	0.0100	0.0100
72	Alcaftadine	0.0000	0.0003	0.0003
73	Cinacalcet hydrochloride	0.0000	0.0080	0.0080
74	Dapoxetinehydrochloride	0.0000	0.0250	0.0250
75	Dimethyl Fumarate	0.0000	0.0100	0.0100
76	Losartan Potassium	0.0000	1.5000	1.5000
77	Pitvastatin Calcium	0.0000	0.0050	0.0050
78	Flavoxate hydrochloride	0.0000	0.0050	0.0050
79	Flovoxamine Maleate	0.0000	0.0500	0.0500
80	Timolol maleate	0.0000	0.0050	0.0050
81	Ketoprofen	0.0000	0.4100	0.4100
82	Clopidogrel Bisulfate	0.0000	0.0410	0.0410
83	Tetrabenazine	0.0000	0.0100	0.0100
84	Agomelatine	0.0000	0.0100	0.0100

85	Rupatadine Fumarate	0.0000	0.1000	0.1000
86	Lymecycline	0.0000	0.2000	0.2000
87	Dexketoprofen trometamol	0.0000	1.0000	1.0000
88	Trospium chloride	0.0000	0.0080	0.0080
89	Dronedarone hydrochloride	0.0000	0.0800	0.0800
90	Lurasidone hydrochloride	0.0000	0.0008	0.0008
91	Milrinone	0.0000	0.0001	0.0001
92	Pramipexole dihydrochloride	0.0000	0.0005	0.0005
93	Pregabalin	0.0000	0.1000	0.1000
94	Teriflunamide	0.0000	0.0050	0.0050
95	Roflumilast	0.0000	0.0001	0.0001
96	Solefenacin succinate	0.0000	0.0002	0.0002
97	Tolperisone hydrochloride	0.0000	0.0080	0.0080
98	Clonidine HCL	0.0000	0.0004	0.0004
99	Darifenacin HBr	0.0000	0.0040	0.0040
100	Doloxetone HCL	0.0000	0.0410	0.0410
<b>Total</b>		<b>12.8500</b>	<b>22.0180</b>	<b>34.8680</b>

**27.3.2.3 Observations and recommendations of EAC in the present meeting held on 31<sup>st</sup> October - 1<sup>st</sup> November, 2019:**

PP along with the consultant made a detailed presentation on the proposal. The EAC after detailed deliberation on the information submitted by the EAC and as presented, **deferred** the proposal for want of following submissions:

1. Worst case scenario related to the air and water in case of reaction failure.
2. Revised EIA/EMP report to be submitted by incorporating earlier Base line data with latest one-month data along with the comparison. In addition, damage assessment due to violation to be incorporated as addition chapter 13.
3. Submit the copy of credible action under section 19 of E (P) Act 1986.
4. Copy of agreement with TSDF unit for disposal of hazardous waste treatment to be submitted.
5. Revised Form 2 application to be submitted in respect to present land use, ToR letter etc.
6. Revised water balance to be submitted.
7. Compliance report from State PCB regarding CTO.
8. Plant is operating hence net profit to be loaded into damage cost.
9. ToR compliance to be incorporated in the EIA/EMP report and also to be presented before the EAC.

	<p>10. Damage cost to be revised on the basis of quantification of damage to air, water, Noise, ecology, soil during construction phase and operation phase. Remediation plan shall be prepared accordingly and submitted.</p> <p>11. Economic benefit derived calculation shall be submitted based on the benefit accrued during violation period and EMP cost saving.</p>
<b>27.3.3</b>	<p><b>Mining of Mica, Quartz and Feldspar of production capacity 1500 TPA of Mica, 1500 TPA of Quartz, 6000 TPA of Feldspar (Max) in a mining lease area of 116.428 Ha at Sy no. 153, 160/P, 161 &amp; 165/P, Kalichedu Village, Sydapuram Mandal, S.P.S.R Nellore District, Andhra Pradesh by M/s SreeKalyana Rama Company -</b></p> <p><b>Environmental Clearance [IA/AP/MIN/119099/2018 dated 10.10.2019] [F. No. 23-231/2018-IA.III (V) ]</b></p>
<b>27.3.3.1</b>	<p><b>M/s SreeKalyana Rama Company</b> has made online application vide proposal no. <b>IA/AP/MIN/119099/2018 dated 10.10.2019</b> seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
<b>27.3.3.2</b>	<p><b>Details of the project as per the submission of project proponent:</b></p> <p><b>1. Proposal</b> Sree Kalyanarama Mica Mine</p> <p><b>2. Location</b> M/s. SreeKalyanarama Company, VVSSKK Yachendra, Managing Partner, D.No.19/176, Rajah's Palace, Venkatagiri Town – 524 132 SPSR Nellore District, AP. Phone : 9849813007 <b>Email:</b> <a href="mailto:sreekalyanaramamicamine@gmail.com">sreekalyanaramamicamine@gmail.com</a></p> <p><b>3.</b> If a Joint venture, the names &amp; addresses of the JV partners including their share. Not Applicable</p> <p><b>4. Latitude and Longitude of the project :</b> North latitudes: 14.28436 to 14.29824 East longitudes: 79.71523 to 79.73098</p> <p><b>5. Whether the project is in Critically Polluted area :-</b> No.</p> <p><b>6. Cost of the project :-</b> Rs. 0.75 Crores (Rs. 75.00 Lakhs)</p> <p><b>7. Employment generated/to be generated :-</b> Employment to be generated is 40 nos.</p> <p><b>8. Benefits of the project:</b></p> <p><b>Social:</b> The project activity shall create awareness with the local people for preferring permanent services than seasonal agricultural activities. These activities will help them to analyze the importance of education. With the increased amount of income, people can send their children for higher education/professional courses. There will be some obvious changes in various environmental parameters due to mining activity. There will also be positive impact in socio-economic area due to increased economic activities, creation of new employment opportunities, infrastructural development and better educational and health facilities. Lessee will also undertake awareness program and community activities like health camps, medical aids, family welfare camps, AIDS awareness program, etc.</p> <p><b>Environmental:</b> Plantation/Afforestation will be done as per program i.e. along the road sides and near civic amenities. Post plantation, the area will be regularly monitored in every season for evaluation of success rate. For selection of plant species local people will also be involved. The management will provide free saplings of fruit and other trees, etc. to locals during</p>

	<p>rainy season for plantation.</p> <p><b>Financial:</b> Mining operation in the state will get legalized and it will fetch income to the state exchequer by way of royalty, Contribution to DMF, GST, Income tax, etc. The PP has agreed to spend Rs. 49.30 Lakhs on CER activities in the next 3 years and has already spent Rs. 13.00 lakhs upto now. In addendum PP has also prepared Remediation and Community and Natural Resources Augmentation plan and has earmarked funds which shall help the society.</p> <p>Please refer chapters 8 &amp; 13 of EIA – EMP report.</p> <p><b>9. Whether new or expansion project.</b> If expansion: Not Applicable</p> <p><b>10. If for expansion, whether the application is under 7(ii) of the EIA Notification,2006.</b> Not Applicable</p> <p><b>11. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF.</b> Not Applicable</p> <p><b>12. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC):-</b> ToR obtained vide letter No. 23-231/2018-IA.III (V), Date: 15 Jan 2019.</p> <p><b>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)</b> Not Applicable</p> <p><b>14. If the project was considered in EAC, Please give dates of the meeting(s).</b> Not Applicable</p> <p><b>15. Type of Mine: (Opencast/ Underground/ mixed):</b> Mixed - Open cast and underground</p> <p><b>16. Capacity of the mine applied for :</b>Mica : 1,500 Tons per annum Quartz : 1,500 Tons per annum Feldspar : 6,000 Tons per annum</p> <p><b>17. ML Area</b></p> <p><b>1. As per block allotment</b> Sy.Nos. 153,160/P, 161 &amp; 165/P of Kalichedu Village, Sydapuram Mandal, SPSR Nellore District, AP.</p> <p><b>2. As per approved mine plan</b> Extent - 116.428 Hectares.</p> <p><b>18. Date of approval of mine plan, mine closure plan, status &amp;date</b> Date of approval of Mining Plan along with progressive mine closure plan :29June 2017 by the Dept. of Mines &amp; Geology, Guntur vide approval letter No. 2055/MP/NLR/2017.</p> <p><b>19. Date of Board’s approval</b> Not Applicable</p> <p><b>20. Date of Ground water clearance and surface water approval</b> 06 Jul 2019</p> <p><b>20. Existing Ground water level in(M)</b> From 7 to 39 m below ground level (pre-monsoon)</p>
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21. **Date of mine closure approval:** Not Applicable

23. **Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details.** Pinneru seasonal river stream located southwest side at a distance of 1.44 km from ML area.

24. **Details of mine lease:-**

1. Date of entering into original lease deed.  <b>23.03.1959</b>	1. Date of original lease deed.  <b>09.12.1977</b>	1. Date of 2 <sup>nd</sup> lease renewal  <b>09.12.1997</b>	1. Date of 3 <sup>rd</sup> lease renewal  <b>LOI Date : 10.05.2017</b>
2. Date of expiry of original lease deed  <b>08.12.1977</b>	2. Whether renewal or deemed renewal  <b>Renewal</b>	2. Whether renewal or deemed renewal  <b>Renewal</b>	[ALSO
	3. Date of expiry of 1 <sup>st</sup> lease renewal/deemed renewal  <b>Renewal</b>	3. Date of expiry of 2 <sup>nd</sup> lease renewal/Deemed renewal  <b>08.12.2017</b>	

## II TECHNICAL DETAILS

22. Geological Reserve:

- (i) Total geological reserve : 4.940 million tons
- (ii) Mineable reserve : 1.822 million tons
- (iii) Extractable reserve : 1.371 million tons
- (iv) Per cent (%) of extraction : 75.24
- (v) Range of ground water level : 39 to 7 m bgl(pre monsoon), 35 to 4 m bgl(post monsoon)
- (vi) Total estimated water requirement : 20 KLD
- (vii) Details of intersecting ground water level : At 30mts level groundwater is intersected  
  
in the underground workings.

23. Details of Deposits:

- a. Depth of over body : 209 meters
- b. Grade of ore : Not Applicable
- c. Stripping ratio : 1: 0.45

24. Method of mining : Mixed (Opencast & underground)

	<p>25. Life of mine : 60years</p> <p>26. 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.</p> <p><b>Yes. Air quality monitoring was conducted during January 2019 - March 2019. All the monitoring results are within the prescribed range. Please refer chapter 3 of EIA – EMP report.</b></p> <p>27. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.: <b>Not Applicable</b></p> <p>28. <u>Details of O.B.</u></p> <p>a. External OB dumps</p> <p>b. No of OB dumps</p> <p>c. Area of each dump</p> <p>d. Height of each dump</p> <p>e. Quantity (in MCm) of OB in each dump <b>Not Applicable</b></p> <p>f. Year of backfilling</p> <p>g. No. of OB dumps reclaimed</p> <p>h. If garland drains and settlement facility for run off created</p> <p>i. Whether runoff water being utilized</p> <p>29. <u>Details of Internal Dumps</u></p> <p>a. Number of internal dumps : <b>1</b></p> <p>b. Area of each dump : <b>3.380 Hectares (for 5 years)</b></p> <p>c. Height of each dump : <b>12meters</b></p> <p>d. Quantity of wastes filled(MCm) : <b>0.036Million Cu.M (for 5 years)</b></p> <p>29. Utilization potential of wastes</p> <p>(i) Within the mines : <b>Dumping shall be within the mines</b></p> <p>(ii) Outside mines : <b>No dumping shall be carried out outside the mines</b></p> <p>(iii) Efforts made by proponent : <b>Dump stabilization measured as recommended the EMP report shall be undertaken.</b></p> <p>30. <u>Details of final Mine Voids</u></p> <p>(i) Area : <b>4.817 Hectares</b></p> <p>(ii) Depth : <b>30 meters</b></p> <p>31. <u>Details of Quarry:</u></p> <p>(i) Total quarry area: <b>4.817 Ha (open cast workings)</b></p> <p>(ii) Backfilled quarry area of <b>Nil</b> ha shall be reclaimed with plantation</p> <p>(iii) A void of <b>4.817Ha</b> at a depth of <b>30 m</b> which is proposed to be converted into a water body</p> <p>(iv) Green belt created in ha. <b>Nil</b></p>
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32. Details of Land usage

**LANDUSE DETAILS**

S. No.	Land Use	Within ML Area (Ha)	Outside ML Area(Ha)	Total (Ha)
1.	Agriculture land	Nil	Nil	Nil
2.	Forest land	Nil	Nil	Nil
3.	Wasteland	116.428	Nil	116.428
4.	Grazing Land	Nil	Nil	Nil
5.	Surface water bodies	Nil	Nil	Nil
6.	Settlements	Nil	Nil	Nil
7.	Other (Specify)	Nil	Nil	Nil
	<b>TOTAL</b>	<b>116.428</b>	<b>Nil</b>	<b>116.428</b>

- (i) Pre-mining
- (ii) Post-Mining

Sl. No.	Land use during Mining	Land Use (Ha)				TOTAL
		Plantation	Water Body	Public Use	Undistributed	
1.	External					
2.	Top soil Dump	3.380	Nil	Nil	Nil	3.380
3.	Excavation	0.469	4.817	Nil	Nil	5.286
4.	Roads	Nil	Nil	0.400	Nil	0.400
5.	Built up area	Nil	Nil	1.300	Nil	1.300
6.	Green Belt	106.062	Nil	Nil	Nil	106.062
7.	Undisturbed Area	Nil	Nil	Nil	Nil	Nil
	<b>TOTAL</b>	<b>109.911</b>	<b>4.817</b>	<b>1.700</b>	<b>Nil</b>	<b>--</b>

- (iii) Core area

33. Details of Forest issues

- (i) Total forest area involved (in ha) for mining lease: Nil
- (ii) Total broken forest area: Nil
- (iii) Status of Forest Clearance and extent of forest land diverted in ha :**Nil**
- (iv) Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details. :**Details are as hereunder -**

**Yes. Penusila Narasimha Wildlife Sanctuary falls at a distance of 9.279 Kms. from western side boundary of the ML. However, if measured from the centre of the lease area, the said sanctuary falls outside the 10 Km. buffer zone.**

(v) Extent of forest land in the project (including safety zone and all types of forest land) (in ha) : Nil

(vi) Total forest land for which Stage-1 FC is available (give area in ha), provide breakup of this area in following format: Nil

Area (in ha)	Stage-1 FC issued vide letter no. & date	Validity period of earlier FC granted
-	-	-
-	-	-

(vii) Balance forest land for which Stage-1 FC is not available (give area in ha) : **Not Applicable**

(viii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicate the status.  
**Biodiversity studies along with mitigative measures incorporated in the EIA-EMP Report. The PP has also applied for wildlife clearance from NBWL.**

(ix) Whether schedule –I species, if yes conservation plan is approved byCWLW?  
**No Schedule – I species found in the core & buffer zone.**

34. Costs of the project:

- (i) Total capital Cost : **Rs. 0.75 Crores**
- (ii) Cost of Production : **Mica Rs. 5,000 per ton; Feldspar – Rs. 400 per ton**
- (iii) Sale Price : **Mica Rs. 8,000 per ton; Feldspar – Rs. 500 per ton**
- (iv) CSRcost : **Rs. 0.493 Crores**
- (v) R&RCost : **Nil (Not Applicable)**
- (vi) No ofPAFs : **Nil (Not Applicable)**

(vii) Cost for implementing EMP:Recurring cost **Rs. 0.338 Crores per annum.**

**Capital cost Rs. 0.175 Crores.**

35. Details of villages/habitation in mine leasearea

- (i) Inside thelease
  - (ii) Surrender bylease
  - (iii) Extent of cropland acquired/ being acquired inha.
- Not Applicable**

36. Details of transportation of mineral

- (i) Inpit : **Tippers/ vertical shafts**

- (ii) Surface to siding : **Tippers/ tractors**
- (iii) Siding to loading : **Tippers/ tractors**
- (iv) Quantity being transported by Road/Rail/conveyer/ropeway: **Complete production quantities as said above shall be transported by road through tarpaulin covered trucks.**
- (v) Proposed change in transportation means if any, give details: **Not Applicable**

37. Details of reclamation:

a. Afforestation shall be done covering an area of: **109.911** ha at the end of life of mining. This will include:

- (i) Reclaimed external OB dump ( in ha) : **Not Applicable**
- (ii) internal dump (in ha), : **3.380 Ha.**
- (iii) Green belt (in ha) : **106.531 Ha.**
- (iv) Density of tree plantation (in no of plants) : **333 plants / Ha.**
- (v) Void (in ha) at a depth of (in m) which is proposed to be converted into water body : **4.817 Ha. at a depth of 30 meters.**
- (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).  
**Builtup area (office & colony) - 1.300 Ha. And Roads - 0.400 Ha.**
- (vii) Agriculture and horticulture : Nil
- (viii) Fisheries : Nil
- (ix) ECO Tourist/recreation spot : Nil

**III. PUBLIC HEARING ISSUES**

- 38. Date and Place of public hearing : **28.10.2017**
- 39. The designation of officer presided over the PH: **Joint collector, SPSR Nellore Dt, AP.**
- 40. Issues raised during Public Hearing and assurance given along with the financial provisions and action plan, if any, by the project proponent. (Please attach as an annexure in a tabular form.)  
**There were no issues raised during the PH, as a matter of fact the public were very much in favour of the project.**
- 41. Number of representation received in writing from the district and outside of district, please give details : **No representation received in writing from any party within or outside the district. All oral representation have been incorporated in the PH proceedings therein.**

**IV. Consultant:**

- 42. Name of the EIA consultant who prepared the EIA/EMP report.  
**Central Institute of Mining and Fuel Research (CSIR - CIMFR).**
- 43. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009. : **Yes.**
- 44. Name of specialists/consultants involved in making EIA report and in

collecting data.

Sl. No.	Expert	Nature of work
1.	Dr.K.K.K.Singh	EIA Co-ordinator
2.	Dr.G.C.Mondal	AP,AQ
3.	Dr.R.K.Tiwary	WP,RH
4.	Dr.T.B.Singh	HW
5.	Dr.Kumar Nikhil	SE,EB,SC
6.	Dr.M.Ahmad	HG,GEO
7.	Mr.Rathnesh Trivedi	NV
8.	Dr.K.B.Singh	LU
9.	Other experts	----

45. Brief Background of the Project as per table:

1.	<p>Details of PP and Group companies (a) Financial Position</p> <p>(b) Group companies</p> <p>(c) Legal issues</p> <p>(d) Past and current litigations</p>	<p>Sound financial position and has ample resources to implement EMP, remediation plan, natural resource augmentation plan and community resource augmentation plan as indicated in the EIA –EMP report.</p> <p>NIL</p> <p>NIL</p> <p>Case filed against the PP by the state pollution board, AP for conducting operations without obtaining EC under the E(P)Act, 1986 in the court of Judicial Magistrate of First Class, Nellore District, Andhra Pradesh, which was subsequently disposed-of by levying a penalty as prescribed under the said Act.</p> <p>Please refer Annexure I of EIA-EMP report.</p>
2.	Social, economic and environmental aspects of the project in brief.	Please refer chapter 3 of the EIA – EMP report.

**27.3.3.3 Observations and recommendations of EAC in the present meeting held on 31<sup>st</sup> October - 1<sup>st</sup> November, 2019:**

PP made the detailed presentation before the committee and committee observed that credible action has been initiated, ground water permission was obtained. EAC further noted that application for wildlife clearance for Sri Penusila Narsihma Wildlife sanctuary has been submitted to the concerned department. Further, based on the information as presented and as submitted by the PP, **deferred** the project for want of following

	<p>information:</p> <ol style="list-style-type: none"> <li>1. Baseline Air Quality data to be given as min-max and predicted value to be added to the maximum value.</li> <li>2. Total excavation details (mineral excavation including waste) to be submitted.</li> <li>3. Year wise Mica excavation from old dumps, open cast mine and underground working to be submitted.</li> <li>4. Revised land use and land cover pattern of mine lease area.</li> <li>5. Damage Assessment with respect to all the environmental attributed to be revised and accordingly remediation plan to be prepared.</li> <li>6. Revised EMP &amp; CER cost to be submitted.</li> <li>7. Surface water analysis with respect to pH and nitrate concentration to be revisited.</li> <li>8. Economic benefit derived calculation shall be revisited based on the benefit accrued during violation period.</li> <li>9. Annexure to be filled with all the required details and submitted.</li> </ol>
27.3.4	<p><b>Expansion of Hospital Complex “Pushpawati Singhania Hospital &amp; Research Institute” at Press Enclave Marg, Sheikh Sarai, Phase-II, New Delhi by M/s Pushpawati Singhania Hospital &amp; Research Institute - Further consideration for Environmental Clearance [IA/DL/MIS/85531/2018 dated 20.12.2018] [F. No. 23-134/2018-IA.III (V)]</b></p>
27.3.4.1	<p>M/s PushpawatiSinghania Hospital &amp; Research Institute has made online application vide proposal no. IA/DL/MIS/85531/2018 dated 20.12.2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under ‘B’ category of item 8(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as tenure of SEIAA at New Delhi is completed.</p>
27.3.4.2	<p><b>Details of the project as per the submission of project proponent:</b></p> <p>The project is located at 28°32'0.70"N Latitude and 77° 13'31.31"E Longitude. The project is Expansion Project (Violation) Earlier Clearance details The hospital is already having one constructed &amp; Operational block- Tower A since October, 1996, with built-up area of 9728.93 sqm. As the built-up area of the project was less than 20,000 sqm. Hence it was exempted from the procedure of Environment Clearance.</p> <p><b>Construction Status: -</b></p> <p><b>Phase I:</b> Tower A was Constructed and Operational since 1996. This phase was exempted from the procedure of Environment Clearance as the built-up area is 9728.93 sqm which is less than 20,000 sqm.</p> <p><b>Phase II:</b> Construction work for Tower B was completed in October 2016; however, this part became operational from 2018 after getting Consent to Operate from DPCC dated 14.07.2018. After construction of this phase the built-up area of the complex increased to 24,982.13 sqm which exceeded 20,000 sqm and thus, this came under the procedure of Environment Clearance. Since, the construction work was started before obtaining Environment Clearance thus, the project falls under violation category.</p> <p>Total (Phase I+ Phase II): Total built-up area is 24,982.13 sqm</p> <ol style="list-style-type: none"> <li>i. The total plot area of the project site is 8000 sq m. The FAR achieved is 16566.87 sq m. The total Non-FAR area is 195.65 sq m, basement area is 5822.78 sq m and Service Floor area is 2396.83 sq. m. The total built up of the project is 24982.13 sq</li> </ol>

	<p>m. The project will comprise of 2 towers. The no. of IPD beds are 201 no. Maximum height of the building is 29.3 m.</p> <p>ii. During construction phase, total water requirement was 15 KLD at an average which was met by STP Tanker supply. During the construction phase, waste water generated from the construction site was treated in inhouse STP. Mobile toilets were provided during peak labor force.</p> <p>iii.</p> <p>iv. During operational phase, total water demand of the project after full occupancy is 265 KLD and the same is met by 135 KLD fresh water from Delhi Jal Board. Wastewater generation 145 KLD (Domestic &amp; Other: 137KLD &amp; Lab effluent: 8 KLD) is treated in MBBR STP of total 120 KLD &amp; 70 KLD and lab effluent is treated in ETP of capacity 30 KLD. 130 KLD of treated wastewater is reused (31 KLD for flushing, 4 KLD for gardening, 90 KLD for cooling &amp; 5 KLD for Miscellaneous).</p> <p>v.</p> <p>vi. Biomedical waste generated from hospital will be segregated and sent to approved recycler. At peak load, it is estimated to be 0.075 TPD (75 kg/day). 0.317 TPD (317 Kg/day) of solid waste will be generated out of which 0.1272 TPD (127.2 kg/day) of organic waste will be treated in Organic Waste Convertor. The non-biodegradable waste of 0.0954 TPD (95.4 kg/day) and 0.0954 TPD (95.4 kg/day) of plastic waste will be handed over to approved recycler.</p> <p>vii.</p> <p>viii. The total power requirement during construction phase was 380 KVA and was met from existing DG set in hospital complex. Total power requirement during operation phase after expansion is 1022 KVA (Existing – 650 KVA &amp; Proposed – 372 KVA) and is being met from BSES.</p> <p>ix.</p> <p>x. Rooftop rainwater of buildings is being collected in 03 RWH pits of total 150 KLD capacity for harvesting after filtration.</p> <p>xi.</p> <p>xii. Parking facility for 342 ECS four wheelers is provided against the requirement of 331 ECS. (according to local norms).</p> <p>xiii.</p> <p>xiv. Proposed energy saving measures would save about 1% of power.</p> <p>xv.</p> <p>xvi. It is located within 10 km of Eco Sensitive areas (Yes/No)- Yes</p> <p>xvii.</p> <p>xviii. NBWL Clearance is required: Yes/No- Not Applicable.</p> <p>xix.</p> <p>xx. Forest Clearance is required: Yes/No.- Not Applicable.</p> <p>xxi.</p> <p>xxii. Court case pending against the project (Yes/No). Yes, A court case has been filed under violation of EPA, 1986 for violating (Case no. CT case 11999/2017 at Tis Hazari court, Delhi)</p> <p>xxiii.</p> <p>xxiv. Investment/Cost of the project is Rs. 106.21 Crores</p> <p>xxv.</p> <p><b>xxvi.</b> Employment potential- During Construction phase employment to 120 no of labours was provided and during operation phase employment to 1000 nos. as staff.</p>
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	<p><b>Benefits of the project</b></p> <p><b>Social Benefits:</b></p> <ul style="list-style-type: none"> <li>● It has provided employment to the people during construction and operation phase directly &amp; indirectly. 120 no. of labour during construction stage and approx. 1000 no. of person during operation stage have been employed after the proposed expansion of the complex. Employment opportunities has led to a rise in the income and improved their standard of living.</li> <li>● The Hospital has catered some of the best medical care infrastructure in the country. This have treatment facilities for Liver Transplant, Cardiology, Orthopaedics, Neurology, Urology, Gastroenterology, Nephrology &amp; Kidney Transplant etc. It also provides 24x7 Ambulance facility.</li> <li>● The expansion of the hospital building in the project area has increased in infrastructure development of the area.</li> </ul> <p><b>Environmental Benefits:</b></p> <ul style="list-style-type: none"> <li>● Energy efficient building material during construction stage have helped in reducing the impact on environment directly &amp; indirectly.</li> <li>● Energy efficient measures has been taken to reduce the requirement of natural resources and which ultimately leads to lesser demands and reducing carbon footprints of the project making it eco-friendlier.</li> <li>● A well-designed waste management approach such as the different collection unit for wet &amp; dry waste respectively and eco-friendly treatment approach i.e. OWC, Recycling etc will reduce the amount of waste that it sends to landfill</li> </ul> <p><b>Financial Benefits:</b></p> <ul style="list-style-type: none"> <li>● Additional revenue generation to the government is being provided.</li> <li>● Major income source to an important section of society and also to the upcoming investors.</li> </ul>
<p><b>27.3.4.3</b></p>	<p><b>Observations and recommendations of committee in the 22nd meeting held on 21<sup>st</sup>-22<sup>nd</sup> May 2019:</b></p> <p>PP made the detailed presentation before the EAC. EAC observed that EIA Coordinator and functional area experts did not attend the meeting. EAC, after detailed deliberation, deferred the proposal for want of some additional information and want of presence of EIA Coordinator before committee:</p> <ol style="list-style-type: none"> <li>1. EIA/EMP presentation shall be made in the presence of EIA Coordinator and functional area experts should be available in the meeting.</li> <li>2. Committee noted that Asola Wildlife sanctuary is present within 3.5 km of the project site therefore PP is required to submit certificate from Chief wildlife warden regarding distance of ESZ of Asola Wildlife sanctuaries from project site in all directions.</li> <li>3. EIA report is to be submitted in generic structure (Appendix III) of EIA notification with additional chapter 13 on damage assessment and remediation.</li> <li>4. Details of non-biodegradable &amp; hazardous waste along with their mitigation measures are to be submitted.</li> <li>5. Approved conservation plan of Schedule I species is to be submitted.</li> <li>6. Detailed presentation to be made before the committee along with ToR compliance. Considering Eco-sensitive area within the 5 km of project site, Committee recommended for site visit of the project site for ascertaining prevailing environmental settings.</li> </ol>

27.3.4.4

**Observations and recommendations of the 24<sup>th</sup>EAC meeting held during 22nd - 24th July 2019:**

PP along with the consultant (Perfact Enviro Solutions Pvt Ltd) made the detailed presentation and inter alia informed the following to the EAC:

The Proposed project is an Expansion of Hospital Complex “PushpawatiSinghania Hospital & Research Institute” is situated at Press Enclave Marg, Sheikh Sarai, Phase-II, New Delhi being developed by M/s PushpawatiSinghania Hospital & Research Institute. • The land has been allotted by DDA on perpetual lease to LakshmipatSinghania Medical Foundation for hospital purpose. The land was then transferred to PushpawatiSinghania Hospital & Research Institute for development & running of the hospital by executing between parties.

- The hospital is already constructed & operational having two blocks one block- Tower A (Phase-I) since October, 1996 having built-up area of 9728.93 sqm. As the built-up area of Phase- I was less than 20,000 sqm. Hence it was exempted from the procedure of Environment Clearance.

- For new block was proposed for Phase-II (in year March 2014) having built-up area 15,253.20 sqm and completed in 2016. Thus, total built-up area of the hospital complex is 24,982.13 sqm. (Phase-I + Phase- II). Since the built-up area of the complex was more than 20,000 sqm, hence it falls under 8(a) category of EIA notification 2006.

- Due to ignorance of law, the construction of Phase-II was started in May 2014 without prior EC under EIA Notification 2006 and as amended thereof. The project has 3B+G+6 no. of floors with 201 no. of beds and 2 no. of Towers and is completely operational. The total estimated cost of the project is Rs.106.21 Crores.

As per MoEF&CC Notification No. S.O.804(E) dated 14.03.2017 project was applied for environmental clearance in MoEF&CC on 07.02.2018 under violation category. The case was considered in 8th EAC meeting dated 14.06.2018 and thereafter, TOR was granted by MoEF&CC vide its letter no. F. No. 23-134/2018-IA-III (V) dated 26.07.2018. Credible Action has been initiated on 24.11.2018 and case no. 434/2018 was filed.

Further, PP made the detailed presentation on the information sought in the 22nd EAC and the observation of the sub-committee of EAC(Violation), MoEF&CC visited the project site on June 24th, 2019. EAC after detailed deliberation on the information as presented and submitted, deferred the proposal for want of following information from the PP:

1. The EMP has to be further strengthen at it is too theoretical. Proper quantification of damage assessment taking consideration of all environmental attributes is to be done.
2. Revised remediation, natural and community resource augmentation plan is to be submitted as suggested by the committee.
3. Cost of CER has to be reworked as per the extant procedure in the Ministry's OM dated 01.05.2018 with time frame, considering the project as brownfield.
4. Audit balance /financial report April 2017 to July, 2019 is to be submitted.
5. Interpretation related to all environment attributes and bacteriological analysis in surface water is to be submitted.
6. Approved conservation plan from Chief Wildlife Warden of Scheduled I species is to be submitted.
7. Traffic density study with recommendations to be submitted.
8. Submit certificate from Chief Wildlife Warden regarding of ESZ distance from Asola wildlife sanctuary to project site.



	<p>9. The air quality data is more than prescribed standards and therefore proper mitigation measures shall be taken and submitted.</p> <p>10. Details of organic waste utilization.</p> <p>11. STP and ETP flow chart is to be submitted.</p> <p>12. Resubmission of energy efficient measures during construction and operation phases.</p> <p>13. Details of benefit accrued during violation period certified by the competent authority is to be submitted.</p>
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27.3.4.5

**Observations and recommendations of the EAC in the present meeting held on 31.10.2019 - 01.11.2019:**

PP along with the consultant made the detailed presentation on the information sought in the **24<sup>th</sup> EAC meeting held on 22<sup>nd</sup> - 24<sup>th</sup> July 2019**. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan of Rs 6,510,000/- **and CER cost of Rs 55.00 lakhs at 0.52% of the project cost**. Application for approval of conservation plan for Schedule I species has been submitted to the concerned Chief Wildlife Warden. EAC noted that Case (Case No. 434/2018) under section 19 of E(P) Act 1986 against project proponent has been filed. Based on the data presented, EAC sought following information from the PP:

1. The revised cost of Remediation & Cost of natural Resource and Community Resource Augmentation plan
2. Revised CER cost.
3. Undertaking for Asola Wildlife Sanctuary & Okhla Bird Sanctuary regarding distance from project site.

EAC advised PP that above information should be submitted before the committee by tomorrow i.e on 01.11.2019 for further consideration.

The PP submitted the above requisite information after revising the amounts of remediation and natural & community resource augmentation plan before the EAC on 01.11.2019.

Hence EAC after having satisfied with submission of required information recommended an amount of Rs. 10,791,000 /- to be spent by PP towards Remediation plan and Natural and Community Resource Augmentation plan and CER cost was revised to Rs 106.00 lakhs

In view of above, EAC recommended the proposal for grant of Environmental Clearance subject to the following specific conditions in addition to all standard conditions applicable for such projects:

1. EAC recommended for an amount of Rs. 10,791,000 /- towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

REMEDIATION PLAN AND COST									
S. no	Environmental Component	Remediation Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
1	Air Environment	Installation of Sprinkler system	Sprinkler - 70 no. @ Rs. 1000/per pc	₹ 1,000	70	₹ 70,000	₹ 70,000	₹ 0	₹ 0
			Twin Filtration system - @ Rs. 15000/pc	₹ 15,000	4	₹ 60,000	₹ 60,000	₹ 0	₹ 0

			Pump - @ RS. 15000/pc	₹ 15,00 0	4	₹ 60,000	₹ 60,0 00	₹ 0	₹ 0
			Water Distributi ng Pipeline - 1000 m@ Rs 220/m	₹ 220	50	₹ 11,000	₹ 11,0 00	₹ 0	₹ 0
			Health Checkup	₹ 1,000, 000	1	₹ 1,000,0 00	₹ 500, 000	₹ 250, 000	₹ 25 0,0 00
			Plantation	₹ 800,0 00	1	₹ 800,00 0	₹ 300, 000	₹ 300, 000	₹ 20 0,0 00
			Plantation in Nearby area road	₹ 1,100	200	₹ 220,00 0	₹ 73,3 33	₹ 73,3 33	₹ 73, 33 3
			<b>Total</b>			₹ 2,221,0 00	₹ 1,07 4,33 3	₹ 623, 333	₹ 52 3,3 33
2	Water Enviro nment	Rain Water Harvesting in nearby village	RWH-2 no (dia-4 & depth- 4.5) @ 3,00,000/ per RWH (includin g raw material, labour, profit, construct ion,	₹ 250,0 00	2	₹ 500,00 0	₹ 250, 000	₹ 250, 000	₹ 0

			pipeline)							
		Procurement RO Plant	RO plant -3 no. (1000 LPH) @ 2,00,000/ per unit	₹ 245,000	3	₹ 735,000	₹ 245,000	₹ 245,000	₹ 245,000	₹ 245,000
		Provision of Medicines for Nearby needy population	Provision of Medicine (distribution) for treating water Borne diseases , Free chlorine tablets & ORS	₹ 500,000	1	₹ 500,000	₹ 200,000	₹ 150,000	₹ 150,000	₹ 150,000
		Provision of treated water	Provision of treated water nearby area for horticulture	₹ 300,000	1	₹ 300,000	₹ 100,000	₹ 100,000	₹ 100,000	₹ 100,000
		Maintenance of RO Plant	3 No. of RO Maintenance for 3 year @ 10,000/ year/ RO	₹ 10,000	9	₹ 90,000	₹ 30,000	₹ 30,000	₹ 30,000	₹ 30,000
			<b>Total</b>			<b>₹ 2,125,000</b>	<b>₹ 825,000</b>	<b>₹ 775,000</b>	<b>₹ 775,000</b>	<b>₹ 525,000</b>
3	Waste Management	Organic Waste Converter	Distribution in Nearby Panchayat	₹ 1,200,000	1	₹ 1,200,000	₹ 1,200,000	₹ 0	₹ 0	₹ 0
			<b>Total</b>			<b>₹ 1,200,000</b>	<b>₹ 1,200,000</b>	<b>₹ 0</b>	<b>₹ 0</b>	<b>₹ 0</b>
4	Noise Environment	Distribution of PPE to labor	Cost of 1,00,000/ year	₹ 150,000	1	₹ 150,000	₹ 0	₹ 0	₹ 0	₹ 150,000

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		Potted Plantation on approach road	Provision of Potted plants 1000nos @Rs250 /pc	₹ 250	1000	₹ 250,000	₹ 100,000	₹ 100,000	₹ 50,000
		Awareness program in nearby area for Noise	Awareness Program for 3 years @ 2,00,000/year	₹ 200,000	3	₹ 600,000	₹ 200,000	₹ 200,000	₹ 20,000
			<b>Total</b>			₹ 1,000,000	₹ 300,000	₹ 300,000	₹ 40,000
5	Ecological Environment & Soil Environment	Development of Park	In consideration with Municipal department of south Delhi	-	-	₹ 500,000	₹ 0	₹ 500,000	
			<b>Total</b>			₹ 500,000	₹ 0	₹ 500,000	₹ 0
		<b>Cost of Remediation</b>				₹ 7,046,000	₹ 3,39,933	₹ 2,19,833	₹ 1,48,333

**NATURAL RESOURCE & COMMUNITY RESOURCE AUGMENTATION PLAN & BUDGETARY PROVISION**

S. no	Component	Activity Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
1	Natural Augmentation	Providing Solar Lighting in the village and School	6 KW solar Panel installation	₹ 100,000	6	₹ 600,000	₹ 200,000	₹ 200,000	₹ 20,000

			<b>Total</b>			₹ 600,0 00	₹ 200,0 00	₹ 200,000	₹ 20 0,0 00
2	Communi Welfare	Constru ction of sanitati on facilitie s	toilets will be provid ed	₹ 50,0 00	8	₹ 400,0 00	₹ 150,0 00	₹ 150,000	₹ 10 0,0 00
		Provisi on of Mobile treatme nt facility and emerg ency treatme nt for local populati on	Provisi on of Hi- tech ambul ance faciliti es	₹ 2,35 5,00 0	1	₹ 2,355, 000	₹ 785,0 00	₹ 785,000	₹ 78 5,0 00
		Drinkin g Facility	RO Plant	₹ 65,0 00	6	₹ 390,0 00	₹ 390,0 00	₹ 0	₹ 0
			<b>Total</b>			₹ 3,145, 000	₹ 1,325, 000	₹ 935,000	₹ 88 5,0 00
	<b>Cost of Natural Resource and Community resource Augmentation plan &amp; Budgetary Provision</b>					₹ 3,745, 000	₹ 1,525, 000	₹ 1,135,000	₹ 1,0 85, 00 0

S.N O	ITEM	Total Cost	Year I	Year II	Year III
1	Cost on remediation plan based on damage assessment due to violation	₹ 7,046,000	₹ 3,399,333	₹ 2,198,333	₹ 1,448,333

2	Natural Resource and Community Resources Augmentation plan	₹ 3,745,000	₹ 1,525,000	₹ 1,135,000	₹ 1,085,000
	<b>TOTAL COST TO BE SPENT</b>	₹ 10,791,000	₹ 4,924,333	₹ 3,333,333	₹ 2,533,333

- II. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs**10,791,000/-**.
- III. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. **10,791,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- IV. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- V. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 106.00/- lakhs to be implemented.
- VI. Approved conservation plan from the Chief Wildlife Warden for Schedule I species shall be implemented.
- VII. 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.
- II. Effective air pollution mitigation plan submitted to the Ministry shall be implemented in toto.
- III. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- IV. PP shall implement RWH system as per the building code and guidelines.
- V. PP shall comply with the requirement of Green Belt (GB) guidelines of MOEF, apart from the committed GB during the meeting.
- VI. PP shall comply with ECBC of 2017 applicable for commercial buildings.
- VII. PP shall generate @1% of solar power/renewable energy, of the total demand.

27.3.5	<b>Construction of residential township for 5.6 MTPA Integrated Steel Plant at Bhushan Steel Limited in District Dhenkanal (Odisha) by M/s Bhushan Steel Ltd. - Re-consideration for Terms of Reference [IA/OR/IND/68669/2017 dated 13.09.2017] [F. No. 23-128/2018-IA.III (V) ]</b>
27.3.5.1	M/s Bhushan Steel Ltd has made online application vide proposal no. IA/TG/MIN/68669/2017 dated 13.09.2017 seeking Term of References for the above mentioned proposed project.
27.3.5.2	<p><b>Details of the project as per the submission of project proponent:</b></p> <p>The project involves construction of residential cum commercial complex (Residential township with total build up area of 146577 sqm in a total plot area of 201964 Sqm at Narendrapur, village Narendrapur, Taluka/Mandal Odapada District :Dhenkanal, (Odisha) by M/s Tata Steel BSL Ltd (formerly Bhushan Steel Limited)</p> <p>The project site is permitted for residential cum commercial use as per approved Master Plan of the area. Planning /building permission for built up area of 146577 sqm was obtained from the TAMDA (Talcher –Angul- Meramandali Development Authority) vide letter No.985BP/TAMDA dtd. 11.05.2017 The said project/activity is covered under category B of item 8(a) of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF &amp; CC/SEIAA based on the appraisal by Expert Appraisal Committee or the State Expert Appraisal Committee.</p> <p>The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:-</p> <ol style="list-style-type: none"> <li>1. Application for EC was submitted to SEAC-III/SEIAA in Odisha :- 06.02.2014</li> <li>2. Final observations/recommendations of The SEAC to the SEIAA/ State Government :- The project has already started construction without obtaining prior Environmental Clearance. Vide letter dated 15th April' 2017, SEIAA communicated to the Company to apply online for EC at central level as per MoEF Notification dated 16th March, 2017 as regard to grant of EC for violation cases.</li> <li>3. Action taken by the State Government /SEIAA :- The Environment Department of the State Government vide letter August, 2014 issued directions u/s 5 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006, which were replied by the project proponent on 25th August, 2014. The State Government, after taking note of the submissions of the project proponent, confirmed the directions u/s 5 of the EP Act, 1986 on 13th February, 2015, with the directions to stop the construction work till EC is obtained from the competent authority. SEIAA directed the then management to suspend further construction and to submit a written resolution in form of commitment to ensure that violation will not be repeated.</li> <li>4. Complaint case filed by the State Government/State Pollution Control Board :- Show cause notice was issued by the Collector &amp; District Magistrate under section 16(1) read with section -19 of the Environment protection Act-1986 &amp; section 7(ii) of Environment Impact Assessment notification 2006.</li> <li>5. Further consideration of the proposal by the SEAC and recommendations :- Vide letter No. 2813/SEIAA, dtd.15.04.2017, SEIAA directed to file application for EC at central level from MoEF &amp; CC.</li> <li>6. Final recommendations of SEIAA :- Vide letter dated 15th April' 2017, SEIAA communicated to the Company to apply online for EC at the central level as per MoEF Notification dated 16th March, 2017 as regard to grant of EC for violation cases.</li> <li>7. Legal interventions, if any :- Only show cause notices were issued by the Collector &amp; District Magistrate, Dhenkanal and the Member Secretary, Orissa State Pollution Control Board, those were satisfactorily replied with. There has been no legal interventions.</li> </ol>



	<p>Now the proposal has been submitted for consideration in pursuance to the Ministry's Notification dated 14th March, 2017 due to violation of the EIA Notification, 2006.</p> <p>The construction was reported to be started in 2008 and 75% of the buildup area was completed by December, 2012 without obtaining the prior EC. Now the proposal has been submitted to the Ministry for consideration in pursuance of the Ministry's Notification dated 14th March, 2017 due to violation of the EIA Notification, 2006.</p>
27.3.5.3	<p><b>Observations and recommendations of committee of 8th EAC meeting held on 13-14 June 2018:</b></p> <p>Project treated as an integrated project of steel manufacture and residential complex within 1 km of the plant. Potential impact of the steel industry on the residential colony is required to study. Though, it is a project for construction of residential project, it will be treated as a category 'A' project and hence public hearing will be required in instant case</p> <p>The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&amp;CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for issuing Term of Reference as per the Annexure along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP): -</p> <ul style="list-style-type: none"> <li>(i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion.</li> <li>(ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</li> <li>(iii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</li> <li>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</li> <li>(v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</li> <li>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</li> <li>(vii) Certified compliance report of Earlier EC conditions to be submitted</li> <li>(viii) Project proponent should carry out impact assessment study regarding pollution impact of steel plant on the existing township</li> <li>(ix) For associated township of the project to be created or created must provide space for " PHYTO- GRAPHIC BARRIER" between the project and the township according to the predominant wind direction - A plan accordingly be prepared for the same and should be incorporated in the report.</li> <li>(x) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be</li> </ul>

	<p>incorporated in EIA/EMP report.</p> <p>(xi) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion.</p> <p>(xii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</p> <p>(xiii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</p> <p>(xiv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>(xv) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(xvi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(xvii) Certified compliance report of Earlier EC conditions to be submitted</p> <p>(xviii) Project proponent should carry out impact assessment study regarding pollution impact of steel plant on the existing township</p> <p>(xix) For associated township of the project to be created or created must provide space for " PHYTO- GRAPHIC BARRIER" between the project and the township according to the predominant wind direction - A plan accordingly be prepared for the same and should be incorporated in the report.</p> <p>(xx) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.</p>
27.3.5.4	<p><b>Observations and recommendations of 21<sup>st</sup> EAC meeting held during 15-16 April 2019:</b></p> <p>The EAC observed that present project was earlier treated as an integrated project of steel manufacture as residential complex is within 1 km of the plant. Though, it is a project for construction of residential complex it was treated as a category 'A' project. Accordingly ToR was recommended for the said project in the 8th EAC meeting held on 13-14 June 2018.</p> <p>It was informed by the Member Secretary to the EAC-Violation that file was referred back to EAC-Violation on 01.04.2019 from Industry sector for further deliberation regarding applicability of projects under schedule 8 (a).</p> <p>Matter was discussed in the present meeting and PP made aware to the committee that M/s Bhushan steel has been taken over by M/s Tata Steel Ltd and the name of the company changed to M/s Tata steel BSL Ltd w.e.f from 27.11.2018 and the same was approved by the Govt. Of India.</p> <p>Now EAC after detailed deliberation defer the proposal for submission of following documents for further consideration of the proposal particularly name change issue and</p>

	<p>also considering the proposal under category 8(a).</p> <ol style="list-style-type: none"> <li>1. Submission of relevant documents from Govt of India regarding name change.</li> <li>2. Submission of application by the transferee with all the statutory documents required for the name change such as No objection by the transferor and undertaking from transferee that data furnished in the Form 1 application shall be abide by the transferee.</li> <li>3. Certificate to be obtained from the R.O MoEF&amp;CC whether it is an integrated residential complex or independent residential complex.</li> <li>4. Submission of relevant documents from Govt of India regarding name change.</li> <li>5. Submission of application by the transferee with all the statutory documents required for the name change such as No objection by the transferor and undertaking from transferee that data furnished in the Form 1 application shall be abide by the transferee.</li> <li>6. Certificate to be obtained from the R.O MoEF&amp;CC whether it is an integrated residential complex or independent residential complex .</li> </ol>
<b>27.3.5.5</b>	<p><b>Observations and recommendations of present EAC meeting held on 31.10.2019-01.11.2019:</b></p> <p><b>EAC observed that proposal was earlier considered in the 21<sup>st</sup> meeting and committee advised PP to initiate the proposal for the name change. Further EAC directed to obtain clarification</b> from the R.O. MoEF&amp;CC whether it is an integrated residential complex or independent residential complex.</p> <p>EAC in the present meeting noted that NOC regarding change of name has been granted to the project proponent. Further PP submitted the site visit report from the R.O MoEF&amp;CC wherein it has been mentioned that instant project is not an integrated project. EAC in view of R.O report advised PP to submit the revised Form 1/1A and conceptual plan under category 8(a) for further consideration of the project.</p>
<p><b>Day 2: 1<sup>st</sup> November, 2019</b></p> <p><b>Time: 10:00 AM</b></p>	
<b>27.4.1</b>	<p><b>Expansion of Leela Hotel at Diplomatic Enclave, Africa Avenue, Netaji Nagar, Chanakyapuri, New Delhi by M/s Hotel Leela Venture Ltd. - Further Consideration for Environmental Clearance [IA/DL/MIS/91171/2017 dated 11.01.2019] [F. No. 23-96/2018-IA-III(V) ]</b></p>
<b>27.4.1.1</b>	<p>M/s Hotel Leela Venture Ltd has made online application vide proposal no. IA/DL/MIS/91171/2017 dated 11.01.2019 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 8(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as SEIAA, Delhi is not functional.</p>
<b>27.4.1.2</b>	<p><b>Details of the project as per the submission of project proponent:</b></p> <ol style="list-style-type: none"> <li>i. The project is located at <b>28°34'48.16"N</b> Latitude and <b>77°11'21.07"E</b> Longitude (Centre of the project site)</li> <li>ii. The project is new/ redevelopment: <b>Environment Clearance for Enhanced Built-up Area</b></li> <li>iii. Earlier Clearance details, Constructions status, if any</li> </ol> <p><b>The project was granted Environmental Clearance for total built-up area of 39,194.98 m<sup>2</sup> by Ministry of Environment and Forests, Govt. of India vide letter no. 21-1211/2007-IA.III dated 13.06.2008.</b></p>

	<ul style="list-style-type: none"> <li>iv. The total plot area is <b>12,140sqm</b>, FSI area is <b>27,189.95sqm</b> and total construction (Built-up) area of <b>62,985.83sqm</b>. The project will comprise of 1 Building. Total <b>4B+G+Service Floor+11</b> Floors flats shall be developed. Maximum height of the building is <b>58.975sqm</b>.</li> <li>v. During construction phase, total water requirement is expected to be <b>Not Applicable</b> KLD which will be met by <b>Not Applicable</b> During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force. <b>Construction of the projects site has already completed.</b></li> <li>vi. During operational phase, total water demand of the project is expected to be <b>598 KLD</b> and the same will be met by <b>361 KLD</b> fresh water from <b>NDMC</b> and <b>242 KLD</b> Recycled Water. Wastewater generated (<b>302 KLD</b>) will be treated in inhouse STPs of total 400 KLD capacity. 242 KLD of treated wastewater will be recycled (46 KLD for flushing, 20 KLD for gardening, 8 KLD for DG Cooling and 163 KLD for HVAC Cooling Tower make-up &amp; 5 KLD for outside greenbelt development).</li> <li>vii. About 0.7645 TPD solid waste will be generated in the project. The biodegradable waste (0.3058 TPD) will be processed in OWC and the non-biodegradable waste generated (0.4587 TPD) will be handed over to authorized local vendor.</li> <li>viii. Rooftop rainwater of building will be collected in 3 RWH tanks of total (4.0 x 3.2 x 1.75) KLD capacity for harvesting.</li> <li>ix. Parking facility for four wheelers: 818 ECS</li> <li>x. It is located within 10 km of Eco Sensitive areas (<b>Yes/No</b>). If <b>Yes</b>, provide details.</li> <li>xi. NBWL Clearance is required: <b>Yes/No</b>. If <b>Yes</b>, status of NBWL clearance.</li> <li>xii. Forest Clearance is required: <b>Yes/No</b>. If <b>Yes</b>, status of stage-1 clearance.</li> <li>xiii. Court case pending against the project (<b>Yes/No</b>). If <b>Yes</b>, provide details. Compliant Case 13376/2018 was filed by State Pollution Control Board in the court of Chief Metropolitan Magistrate Central, THC, New Delhi Still pending for disposal.</li> <li>xiv. Investment/Cost of the project is Rs. 773.37 Crore for Enhanced Built-up area.</li> <li>xv. Employment potential: 820</li> <li>xvi. Benefits of the project: Social, Economic and Environment Benefit from the project.</li> </ul>
27.4.1.3	<p><b>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:</b></p> <p>PP along with the consultant made the detailed presentation. Based on the information as submitted and presented by the PP, the EAC deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> <li>1. Separate remediation plan as per the damage assessment to be prepared without including the cost of Environment Management Plan.</li> <li>2. Noncompliance of earlier EC conditions is to be compiled and certified by the concerned</li> </ol>

	<p>Regional office of MoEF&amp;CC.</p> <p>3. Capital cost details is to be submitted for the existing and expansion proposal w with proper justification.</p> <p>4. Revised CER as per the Ministry's OM dated 01.05.2018 be submitted as per the revised capital cost for expansion proposal.</p> <p>5. Source of authorized water supplier shall be submitted.</p> <p>6. Copies of MOU between the PP and authorized recycler shall be submitted for disposing of Non-Biodegradable and recyclable and hazardous waste.</p> <p>7. Table showing the compliance to ECBC-2017 norms shall be submitted.</p> <p>8. Solar power @ 1% of demand is required and commitment for the same shall be submitted.</p> <p>9. The PP has to submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986.</p> <p>10. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to prepared accordingly.</p>
<b>27.4.1.4</b>	<p><b>Observations and recommendations of 24<sup>th</sup>EAC meeting held during 22nd - 24th July 2019:</b></p> <p>PP along with the consultant Ascenso Enviro Pvt Ltd. made the presentation and inter alia informed the following to the committee:</p> <p>The project had been granted Environmental clearance for total built up area of 39, 194.98 sqm by the MoEF&amp;CC vide letter no. 21-1211/2007-IA.III dated 13.06.2008. The total built up area has been enhanced upto 62, 985.83 sqm without taking prior Environmental Clearance under EIA Notification 2006 and as amended thereof.</p> <p>Further PP made the detailed presentation on the information sought in the 19th EAC meeting. After detailed deliberation on the information as presented, EAC deferred the proposal for want of following information:</p> <p>i. The project proponent/consultant has to rework on damage assessment cost of all attributes, community resources augmentation and natural resources augmentation, addressing all the environmental attributes considering period of expanded construction which was done along with the EC approved area concurrently and operation from which period and the relevant CTO to be provided.</p> <p>ii. Year wise and activity wise CER is to be prepared with emphasis on capital expenditure.</p> <p>iii. Economic benefits derived for the operational year (9 years) is to be submitted.</p> <p>iv. Action plan for noncompliance of EC conditions.</p> <p>v. Status of credible action initiation.</p>
<b>27.4.1.5</b>	<p><b>Observations and recommendations of the present EAC meeting held on 31.10.2019 - 01.11.2019:</b></p> <p>PP during the meeting requested the EAC to consider the proposal in the next EAC meeting. EAC in view of PP request <b>deferred</b> the project.</p>
<b>27.4.2</b>	<p><b>Proposed manufacturing unit of bulk drugs and intermediates at Plot No. E12,Chincholi MIDC, Taluk Mohol, District Solapur (Maharashtra) by M/s SreeKartikeyaKameshwari Industries – Environmental Clearance</b></p>

	<b>[IA/MH/IND2/110313/2018 dated 14.10.2018] [F. No. 23-130/2018-IA.III ]</b>
<b>27.4.2.1</b>	<b>M/s SreeKartikeyaKameshwari Industries Ltd</b> has made online application vide proposal no. <b>IA/MH/IND2/110313/2018 dated 14.10.2018</b> seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at the Central level
<b>27.4.2.2</b>	<p><b>Details of the project as per the submission of project proponent:</b></p> <p>The Project Proponent and the Accredited Consultant M/s.Equinox Environments (I) Pvt. Ltd. made a detailed presentation on the salient features of the project and informed that:</p> <ol style="list-style-type: none"> <li>i. The proposal is for Environmental Clearance (EC) to the proposed project of establishment of Bulk Drugs and Intermediates Manufacturing Unit at Plot No. E-12, Chincholi MIDC, Tal:Mohol, Dist: Solapur, Maharashtra by SreeKartikeyaKameshwari Industries (SKKI).</li> <li>ii. Standard ToR has been issued by Ministry vide letter no. 23-130/2018-IA-III (V) dated 20<sup>th</sup>July, 2018.</li> <li>iii. All Bulk Drugs and Intermediates Manufacturing Industry are listed at S.N. 5 (f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B'. But due to applicability of <b>General Condition</b> i.e. the Great Indian Bustard (GIB) Sanctuary is located within 5 Km of the project area. Hence, the project is appraised at Central Level by Expert Appraisal Committee (EAC) as category A as per Ministry of Environment, Forest &amp; Climate Change Notification No. S.O. 1598 (E), dated 25.06.2014.</li> <li>iv. Total plot area acquired by industry is 2.405 Ha.</li> <li>v. Industry will develop an area of 0.88 Ha under green belt during establishment of proposed project which accounts for 36 % of total plot area.</li> <li>vi. The estimated cost for proposed project is Rs.5.28 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 2.3 Crores and the Recurring cost (operation and maintenance) will be about Rs. 0.45 Crores per annum.</li> <li>vii. Total Employment is of 100 persons as direct as well as indirect under proposed SKKI project. Industry proposes to allocate Rs.0.15 Crores @ of 2.84 % of total investment towards Corporate Environmental Responsibility.</li> <li>viii. It is reported as per Form- I, that boundary of Great Indian Bustard (GIB) Sanctuary lies within 5 km distance. River Sina is flowing at a distance of 6 Km in South West direction.</li> <li>ix. Ambient air quality monitoring was carried out at 8locations during February 2018 – April 2018 and submitted baseline data indicates that ranges of concentrations of PM<sub>10</sub> (42.78 –73.14 µg/m<sup>3</sup>), PM<sub>2.5</sub>(10.09 – 22.80 µg/m<sup>3</sup>),SO<sub>2</sub> (10.96 – 30.85 µg/m<sup>3</sup>) and NO<sub>x</sub> (13.58 – 40.06 µg/m<sup>3</sup>) respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 2.06 µg/m<sup>3</sup>PM<sub>10</sub> (on South side), 0.016µg/m<sup>3</sup>PM<sub>2.5</sub> (on South side), 0.612 SO<sub>2</sub>µg/m<sup>3</sup> (on South side) and 0.441 NO<sub>x</sub> µg/m<sup>3</sup>(on South side). The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).</li> </ol>

x. Total water requirement for proposed project will be 208.68 CMD. Out of this, 195.68 CMD will be for industrial purpose, 5 CMD for domestic purpose and 8 CMD of gardening. Out of total water requirement 208.68 CMD, 120.3 CMD will be fresh water and 43.38 CMD will be recycled Process water after Distillation, 42 CMD will be treated water from ETP which will be used for industrial processes and 3 CMD will be treated water from STP used for flushing purpose. Water required for proposed operations shall be taken from MIDC water supply scheme.

xi. The Stream I effluent generated would be to the tune of 49.57 M<sup>3</sup> / Day. Same comprise of effluent from manufacturing operations viz. process effluent and washing. This effluent will be treated in an ETP comprising of Screen Chamber, OG Removal Tank, Equalization Tank, Flash Mixer, Flocculator, Tube Settler, Holding Tank followed by Triple Effect Evaporator (TEE) and Agitated Thin Film Dryer (ATFD). The condensate from TEE to the tune of 48 M<sup>3</sup> / Day would be forwarded to Stream II for treatment. Further salts from TEE would be forwarded to authorized re-processor.

The Stream II effluents generated would be to the tune of 12 M<sup>3</sup> / Day, MEE condensate from Stream I of 48 M<sup>3</sup> / Day. Stream II effluent shall be contributed by DM back wash, boiler blow down, and cooling blow down. The same will be treated Screen Chamber, OG Removal Tank, Equalization Tank, Flash Mixer, Flocculator, Primary Tube Settler (PTS), MBBR Tank, Secondary Tube Settler (STS), Holding Tank, Filter Feed Tank, Sand and Carbon Filters and R.O. Unit & Sludge dewatering equipment. The treated water from stream II of 42 M<sup>3</sup> / Day would be recycled back for cooling make up. The RO reject 18 M<sup>3</sup> / Day will be sent to MEE in Stream-I treatment thereby achieving Zero Liquid Discharge (ZLD).

xii. Power required to the tune of 0.6 MW for the proposed unit would be taken from MSEB grid. Also, two D.G. sets of 250 KVA shall be installed and the same shall be used during power failure only.

xiii. Under proposed unit one boiler of capacity 5 TPH each will be installed. Imported Coal to the tune of 30 TPD each will be used as fuel for the same. MDC followed by Bag Filter along with stack of 30 M height each will be installed to the same for controlling the particulate emission. One TFH of each having capacity 8 Lakhs Kcal/Hr will be installed on site. A stack of 18 M height will be installed to the same along with MDC followed by Bag filter as APC.

xiv. Details of Process emissions generation and its management -

S. No.	Plant	Process Emissions	Control Equipment	Packaging Material used in Scrubber	Scrubber Media	Dia. of Column	Height of Column	Disposal of Scrubbed Media
1	Column 1	Nitric Acid	Scrubber	Ceramic Saddles	Water	400 mm	21.5	By-product
2	Column 2							
3	Column 3							

xv. Details of Solid waste/ Hazardous waste generation and its management.

**Details of Solid waste generated & its management**

No	Type of Waste	Quantity	Disposal
1.	Boiler Ash	2 MT/Day	Sold to brick manufacturers for secondary use
2.	Scrap Material	60 MT /Yr	By Sale as scrap
3.	Office Paper waste	1 MT/Yr	
4.	Woven Sack Bag (HDFE)	0.50 MT/Yr	
5.	Drums	450 Nos. /Yr	

**Details of Hazardous waste generated & its management**

No.	Type of Waste	Quantity	Disposal
1.	Cat.: 20.3 Distillation Residue	0.7 MT/M	CHWTSDF
2.	Cat.: 28.1; Process Residue (Un-reacted)& Waste	2.0 MT/Day	
3.	Cat.: 34.3; ETP Sludge	0.1MT/Day	
4.	Cat.:34.3; Salts generated from MEE	1.0 MT/Day	Sold to Authorized reprocessor

xvi. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on 29.01.2019 at Jaykumar Patil Udyog Bhavan, Plot No. P-7, MIDC, Solapur Industries, Association Building, MIDC Chincholikati, Tal.: Mohol, Dist.: Solapur. No major issues raised during the public hearing.

xvii. Details of Certified compliance report submitted by RO, MoEF & CC.

The project site has been inspected and certified by the Regional Officer; MoEFCC, Nagpur during his visit on 28.09.2019 and certification report dated 01.10.2019 was forwarded by the Regional Office to MoEFCC Nagpur.

xviii. Status of Litigation pending against the proposal, if any : No

xix. Following are the list of proposed products:

**Details of Products**

Sr.No	Name of Product	Quantity (MT/D)
1	Methyl 2-(4-(4-chlorobutanoyl)phenyl)-2-methylpropanoate	0.5
2	Nicotinic Acid Methyl Ester/Ethyl Ester	0.5
3	Pyridine-3-Carboxamide(Niacin Amide)	3.5
4	3-Pyridine Carboxylic Acid (NIACIN)	7.68
5	4-Pyridine Carboxylic Acid (ISONIACIN)	0.51
6	2,3 Lutidine & 3,5 Lutidine	0.5
	<b>Total</b>	<b>13.19</b>



27.4.2.3	<p><b>Observations and recommendations of committee in the present meeting held on 31<sup>st</sup> October 2019- 01<sup>st</sup> November 2019:</b></p> <p>PP along with the consultant made the detailed presentation before the EAC and informed that Manufacturing Industry are listed at S.N. 5 (f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B' as it is located in the notified Industrial area. But due to applicability of General Condition i.e. the Great Indian Bustard (GIB) Sanctuary is located within 5 Km of the project area, the project is appraised at Central Level by Expert Appraisal Committee (EAC). EAC after detailed deliberation on the information submitted and as presented to the Ministry, <b>deferred</b> the project for want of following information:</p> <ol style="list-style-type: none"> <li>1. ToR compliance to be submitted and presented before the EAC.</li> <li>2. Public Hearing compliance to the issues raised along with the fund provision with time bound action plan to be submitted.</li> <li>3. Risk Assessment study related to the storage of chemicals and some solvents used in the process and precautionary measures related to the odour.</li> <li>4. Impact of VOCs emitted on flora and fauna, agricultural activities in the nearby area and measures to be taken for their protection.</li> <li>5. Revised damage assessment considering all the environmental attributes and accordingly remediation plan to be submitted.</li> <li>6. Reasons for high concentration levels of VOCs monitored during the monitoring period.</li> <li>7. Monitoring details and analytical procedure adopted for VOCs estimation to be submitted.</li> <li>8. Ultimate analysis of imported Coal used in the boiler to be submitted.</li> <li>9. If briquette are to be used, calorific value along with the ash content to be submitted.</li> <li>10. Layout plan showing the green belt to be submitted.</li> <li>11. Details of proposed green belt to arrest the VoCs.</li> <li>12. Duly filled in Annexures.</li> </ol>
27.4.3	<p><b>Expansion of Kallankurichi limestone mine in total area 240.61 ha, located at villages Kallankurichi, Ameenabad &amp; Khairulabad, Taluk Ariyalur, District Ariyalur, Tamil Nadu by M/s Tamil Nadu Cements Corporation Ltd.- Further consideration of Terms of Reference</b></p> <p><b>[IA/TN/MIN/65541/2017 dated 19.06.2017] [F. No. 23-19/2019-IA.III (V) ]</b></p>
27.4.3.1	<p><b>M/s Tamil Nadu Cements Corporation Ltd.</b> has made online application vide proposal no. <b>IA/TN/MIN/65541/2017 dated 19.06.2017</b> seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
27.4.3.2	<p><b>Details of the project as per the submission of project proponent:</b></p> <ol style="list-style-type: none"> <li><b>1. Project description</b> The Proposal of M/s Tamil Nadu Cements Corporation Limited is for Expansion in production capacity of Limestone from Kallankurichi Limestone Mines (G.O.MS. No. 344), for total excavation of 1.34 Million Tonne per annum (MTPA) of limestone Limestone. No waste and no sub grade mineral will be encountered other than topsoil during mining operation from mining lease area 240.61.0 ha. Located at Villages Ariyalur Tehsil Ariyalur, District Ariyalur, State Tamil Nadu by M/sTamil Nadu Cements Corporation Limited.</li> <li><b>2. Project Background</b> The proposal of M/s Tamil Nadu Cements Corporation Limited is for Mining of Limestone from Kallankurichi Limestone Mines (G.O.MS. No. 344) for production of 0.70 Million</li> </ol>

Tonne per annum (MTPA) / Tonne per annum (TPA) (ML Area 240.61.0 ha. Located at Villages Ariyalur Tehsil Ariyalur, District Ariyalur, State Tamil Nadu, Survey No.144. The area is bounded between the coordinates Latitude 11° 7'5" N to 11° 10'56" N and Longitude 79° 6'26" E to 11° 10'56" E.

**3. Category of the Project**

The said project/activity is covered under category A of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.

**4. Violation Details & Sectorial EAC/SEAC Comments:**

M/s Tamil Nadu Cements Corporation Ltd. had applied on dated 12.03.2014 to the ministry of Environment, Forest & Climate Change for kallankurichi Limestone Mine (GO No. 344) located at Tehsil and District –Ariyalur, State Tamil Nadu (240.61 ha.) with production capacity of 0.2 MTPA in accordance to the EIA Notification, 2006.

Thereafter, TANCEM has made a presentation before the 20<sup>th</sup> Reconstituted EAC committee during May 28<sup>th</sup> -30<sup>th</sup>, 2014. During Presentation, EAC observed that this is a case of violation of provision of the Environmental (Protection) Act, 1986 as mine was operated without obtaining prior environmental clearance after lease fell due for renewal in 2001 and also enhanced the production of Limestone.

**5. Application (Form-1 &PFR)**

Fresh application was made online vide proposal no. **IA/TN/MIN/65541/2017** dated **19.06.2017** under **violation category** for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category 'A'

**6. Details of Minerals**

**Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor):**

The project is only for excavation of Limestone, which is a Major Mineral.

**7. Letter of Intent (LoI)/Mining Lease Details:**

Letter from the District Collector, Collector's office, Perambalur vide G.O. MS.No.344 dated 10.03.80 and the lease deed was executed for **20 years** w.e.f. 27.4.1981 and is valid till 26.4.2001.

**8. Method of Mining & Mining Plan Details**

The Mining Plan was approved by GOI, MOM, IBM, office of the Regional Controller of Mines vide letter No. TN/ALR/LST/MS/1299-MDS on dated 29.01.2016. As per which the method of mining shall be opencast fully mechanized utilizing Heavy Earth Moving Equipment (HEME).

During the Mining plan period, handling of topsoil does not arise from the surface area.

Bench Parameter	
Mining limit at depth	85.0 m to 79.0 m RL
Bench height	6 m
Bench slop	10° -15° vertical
No. of working Days in a Yr	300 days
No. of shift per days	2

width of Each Bench (Minimum)	15m
No. of working days per month	25 days
Production Target per Month	58325 Tons
Maximum Production per day	2333 Tons

### Drilling & Blasting

Deep hole blasting will be carried out to loosen the in-situ limestone. Slurry type of explosives with ANFO will be used for blasting. The spacing and burden will be 3.5m and 3.0 and the depth of the hole will be 6m. The hole is drilled to a depth of 6.5m, giving 10 % sub grade drilling to avoid toe formation. The blasting will be restricted to three to four rows of drilling with each row consisting of 10-12 holes. The holes are drilled either in a staggered pattern or square pattern.

Board drilling and blasting parameter are as follows:

Depth of each hole	6m
Diameter of hole	115m
Spacing between holes	3.5m
Burden for holes	3.0m
Sub grade drilling	0.5m
Pattern of hole	Staggered
Inclination of holes	80 ° from horizontal
Use of delay detonators	25ms delays
Detonating fuse	cordtex
Hole pattern	Staggered in two rows

### Blasting

In a single blast 30 to 35 holes will be blasted by using millisecond delay detonators and hole are fired by means of series conducting using V pattern initiation.

Yield	-3000 to 3500 Tons
Powder factor	-5
Total explosive required	- 600 Kg to 700 Kg
@20 % Booster	-120 Kg to 140 Kg
80 % ANFO	- 480 Kg to 500 Kg
Charges/ hole	- 20 Kg to 23 Kg
Max. no. of holes blasted at a delay time - 6	
Charges per delay	-120 Kg to 138 Kg

No secondary blasting will be done. Rock breaker will be deployed to break the huge boulders generated due to primary blasting.

#### Type of explosives to be used

#### I. Slurry explosive

1. Booster charge
2. Column charge

#### II. Ammonium Nitrate mixed with fuel oil

Ground water is the main source in this area, apart from rain in the monsoon period. The water table is intersected below 20m depth from the surface.

#### Stacking of Mineral reject/ Sub grade Material and disposal of waste:-

The waste generated during mining operation is topsoil only. The nature of waste is black cotton soil. The topsoil removed during the year 2000-01 to 2010-11 around 1.2

Lakhs tons. There will be no handling of topsoil & overburden during the Scheme period. Top soil of very meagre quantity encountered will be temporarily stacked along the mining lease boundary and consumed Parallely for plantation purpose.

**Land use as per mining plan at the end of plan period and at conceptualstage-**

S. No.	Details	Land use pattern		
		As on date (in ha.)	At end of plan period (in ha.)	At the end of life of mine (in ha.)
1.	Area under Mining	69.00	82.00	124.00
2.	Storage for topsoil	1.505	1.505	0.00
3.	Infrastructure	2.835	2.835	0.00
4.	Road	3.240	3.240	15.00
5.	Greenbelt	55.00	60.00	67.50

**9. Other Waste Generation, if any:**

The waste generated during mining operation is topsoil only.

**10. Land Use(Forest/Agricultural/Waste):**

Mining lease area does not include any forest area. The existing land use pattern is mainly cultivation for rotational/ seasonal crop harvest. In the M.L area, most of the area is agriculture land and remaining part comprises of grazing land end scrub jungle. The prevailing land use pattern in the post- mining period would not altogether get altered. The proposed Mining activity will not cause any harm to the agriculture field in the surroundings.

Additionally, the waste land and fallow land upon mining and suitable reclamation will results in beneficial rehabilitation of the derelict land. Emphasis will be on restoration of mined out lands to agriculture practices.

**11. Details of past production since inception of mine authenticated byDMG**

As per DMG letter No. 7/G&M/ 2019 dated 11.01.2019, details of past production is given in table below:-

Limestone Transportation details (27.04.1981 to 31.03.2014)		
From	To	Quantity in MT
27.04.1981	30.06.1981	165986.54
01.07.1981	31.12.1981	262682.93
01.01.1983	30.06.1981	143195.56
01.07.1983	31.12.1983	252743.65
01.01.1984	30.06.1984	246873.70
01.07.1984	31.12.1984	275214.60
01.01.1987	30.06.1987	39117.04
01.07.1987	31.12.1987	23688.02
01.01.1988	30.06.1988	67736.61
01.01.1989	30.06.1989	130374.61
01.07.1989	31.12.1989	72359.36

01.01.1990	30.06.1990	72929.24
01.07.1990	31.12.1990	66336.98
01.01.1991	30.06.1991	77878.94
01.07.1991	31.12.1991	105717.07
01.01.1992	30.03.1992	55226.43
01.04.1992	31.03.1993	224432.09
01.04.1993	31.03.1994	289499.24
01.04.1994	31.03.1995	144421.29
01.04.1995	30.09.1995	145632.84
01.10.1995	31.03.1996	183789.90
01.04.1996	30.03.1997	186261.44
01.04.1998	30.09.1998	170618.19
01.10.1998	31.03.1999	152797.07
01.04.1999	30.03.1999	198399.76
01.10.1999	31.03.2000	32961.00
01.04.2000	30.09. 2000	95000.16
01.04.2001	31.03.2002	180149.98
01.04.2002	30.09. 2003	244770.54
01.04.2003	31.03.2004	89242.66
01.04.2004	31.03.2005	0.00
01.04.2005	30.09. 2005	15870.74
01.10.2005	31.03. 2006	0.00
01.04.2006	30.09. 2006	10000.00
01.10.2006	31.03. 2007	70000.00
01.04.2007	30.09. 2007	0.00
01.10.2007	31.03. 2008	59967.39
01.04.2008	30.09. 2008	83502.68
01.10.2008	31.03. 2009	82499.79
01.04.2009	30.09. 2009	155622.14
01.10.2009	31.03. 2010	98876.41
01.04.2010	30.09. 2010	116936.54
01.10.2010	31.03. 2011	82591.71
01.04.2011	31.03. 2012	324073.41
01.04.2012	31.03. 2013	233705.74
01.04.2013	31.03. 2014	305676.43
<b>TOTAL</b>		6030945.42

**12. Applicability of General Condition & Status of SEIAA:**

There is no forest, Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area.

**13. Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area**

There is no Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area within 10 km radius of the ML Area.

**14. Project Cost & Employment:**

	<p>The anticipated employment, likely to be generated, includes managerial &amp; supervisory staff directly employment by the company and skilled, semi skilled workers through contractual. Total Manpower is 19 for proposed project. Total project cost is 250 Lakhs.</p> <p><b>15. Affidavit for SC Order 2.08.2017</b> Affidavit to comply 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. Is attached as <b>Annexure-A</b>.</p> <p><b>16. Status of DSR, in case of minor mineral</b> Proposed project is for expansion in production capacity of Limstone (Major Mineral) from existing kallankurichi mines.</p>
27.4.3.3	<p><b>Observations and recommendations of the 17<sup>th</sup> EAC meeting held during 29-31 January, 2019:</b></p> <p>EAC during the appraisal observed that mine was operated without obtaining prior environmental clearance after lease fell due for renewal in 2001 and also enhanced the production of Limestone, hence violation of EIA Notification., 2006.</p> <p>The EAC after deliberation defer the proposal for want of submission of following documents:</p> <ol style="list-style-type: none"> <li>1. 6 (1C) approval from mine department for discontinuous use is to be submitted.</li> <li>2. Revised kml file is to be submitted.</li> <li>3. Revised Form is to be submitted as details mentioned in the Form 1 are not at matching the details presented before EAC.</li> <li>4. Cost of the project is 250 lakhs which is exactly similar to the project cost given in item 17.5.3, therefore submit the actual cost of projects with justification.</li> <li>5. Submission of details regarding geological reserve.</li> <li>6. Land use details.</li> <li>7. Revised production details as per the financial year authenticated by state DMG is to be submitted.</li> </ol>
27.4.3.4	<p><b>Observations and recommendations of the EAC in the present meeting held on 31.10.2019 – 01.11.2019:</b></p> <p>PP along with the consultant made the detailed presentation on the information sought in the 17th EAC meeting held during 29-31 January, 2019. EAC observed that PP has submitted the 6 (1) (C) approval from the mining department regarding discontinuous mining leases. Also, mining lease was initially granted for a period of 20 years which was valid till 26.04.2001. First renewal application was submitted to Govt. in 2000 for further period of 20 years. PP submitted Letter of Intent dated 24.10.2019 for renewal of mining lease issued by the Department of Geology and Mining.</p> <p>The EAC, after detailed deliberations on the information presented by the PP, <b>recommended</b> for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP) subject to submission of letter of intent for the renewal of mining lease:</p> <ol style="list-style-type: none"> <li>i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.</li> </ol>

	<ul style="list-style-type: none"> <li data-bbox="347 230 1519 427"><b>ii.</b> Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</li> <li data-bbox="347 465 1519 562"><b>iii.</b> Preparation of comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</li> <li data-bbox="347 600 1519 696"><b>iv.</b> The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter (no. 13) in the EIA report by the accredited consultants.</li> <li data-bbox="347 734 1519 931"><b>v.</b> The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</li> <li data-bbox="347 969 1390 999"><b>vi.</b> The PP is required to conduct public hearing as per EIA notification, 2006.</li> <li data-bbox="347 1037 1481 1066"><b>vii.</b> One season base line data is to be collected and reported in the EIA/EMP report.</li> <li data-bbox="328 1104 1519 1234"><b>viii.</b> Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.</li> <li data-bbox="347 1272 1251 1301"><b>ix.</b> Mine plan approved by Indian Bureau of Mines to be submitted.</li> <li data-bbox="347 1339 1519 1402"><b>x.</b> Details of drilling and blasting to be submitted in the EIA/EMP report also DGMS permission is to be submitted for blasting at project site, if any.</li> <li data-bbox="347 1440 1519 1536"><b>xi.</b> The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.</li> <li data-bbox="347 1574 1519 1637"><b>xii.</b> Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.</li> <li data-bbox="328 1675 1519 1771"><b>xiii.</b> In case of violation of undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated, the ToR/Environmental Clearance shall be liable to be terminated forthwith.</li> <li data-bbox="328 1809 1519 1906"><b>xiv.</b> Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.</li> <li data-bbox="347 1944 1519 2040"><b>xv.</b> The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP</li> </ul>
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	<p>Report.</p> <p><b>xvi.</b> To submit the lease sketch/ lease co-ordinates approved by DMG, at the time of presentation before EAC for EC.</p> <p><b>xvii.</b> Details of transportation of mineral from mine lease area to crusher plant, which is outside the mining lease area, shall be submitted.</p> <p><b>xviii.</b> Details of 50 m green belt to be developed surrounding the project.</p> <p><b>xix.</b> Cumulative impact assessment study to be carried out for all environmental attributes due to the other mining activities in the study area.</p>
<b>27.4.4</b>	<p><b>Proposed 70200 TPA of Limestone production from Putka Limestone Mine (MLA 97.013 Ha) of M/s JyotiPramanik located at Village Putka, District Bargarh (Orissa) - Terms of Reference</b></p> <p><b>[Old Proposal No. IA/OR/MIN/23194/2014 dated 16.05.2017] [F. No. 23- 151/2018-IA.III (V) ]</b></p>
<b>27.4.4.1</b>	<p>PP did not attend the meeting.</p>
<b>27.5</b>	<p><b>Discussion on any other item with permission of the Chair.</b></p>



**27.5.1 Group housing project 'Spaze Privy AT-4' at village Sihi, Sector - 84, Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance [IA/HR/MIS/84503/2017 dated 03.11.2018] [F. No. 23-32/2018-IA-III ]**

EAC in its 22<sup>nd</sup> meeting under para no. **22.3.2.5**, after detailed deliberations on the additional information submitted by the PP, recommended the proposal for grant of Environmental Clearance. EAC recommended for an amount of Rs 2, 96, 21,500 /- towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three year & Fund allocation for Corporate Environment Responsibility (CER) of Rs. 255.0/- lakhs towards various activities proposed.

EAC in the 26<sup>th</sup> meeting held on **30<sup>th</sup> September - 1<sup>st</sup> October, 2019 under item discussion on any other item with permission of the Chair** revisited the earlier recommendations regarding damage assessment cost. EAC deliberated in detail on the damage assessment cost and recommended for an amount of Rs 378.99 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan which shall be spent within a span of three years.

As per the latest Corporate Environment Responsibility OM vide F.no- F-22-65/2017.IA.III the project capital cost is more than Rs. 100 Cr and is a greenfield project. The total project cost is 170.23 Cr. Hence, CER is revised to Rs. 3.05 Crore (2%) of the total project cost. PP has submitted the revised CER cost with activities.

*PP was advised to submit the revise remediation measures and community resource augmentation plan with year wise budgetary allocation before the 27<sup>th</sup> EAC meeting for further deliberation on the remediation measures and community resource augmentation plan based on the revised damage assessment.*

*PP vide letter dated 25.10.2019 submitted the following revised remediation plan and community resources augmentation plan:*

**Cost of Remediation plan**

S.no	Remediation Proposed	Rate	Quantity	Total Cost	Year I	Year II	Year III
<b>Air Environment</b>							
1	Distribution of Wayu Purifier	₹ 60,000	12	₹ 720,000	₹ 720,000		
	Maintenance of Wayu	₹ 1,500	518	₹ 777,000	₹ 259,000	₹ 259,000	₹ 259,000
	Distribution of Sprinkler system	₹ 1,000	68	₹ 68,000	₹ 68,000		

		Twin Filtration system - @ Rs. 15000/pc	₹ 15,000	15	₹ 225,000	₹ 225,000		
		Pump -@ RS. 10000/pc	₹ 10,000	15	₹ 150,000	₹ 150,000		
		Water Distribution Pipeline - 2100 m@ Rs 160/m	₹ 160	2100	₹ 336,000	₹ 336,000		
	Gas Connection	Gas connection in nearby village	₹ 2,500	600	₹ 1,500,000	₹ 1,500,000		
	Health Checkup	Health checkup cap in nearby village	₹ 500,000		₹ 664,000	₹ 664,000		
	Plantation in Nearby area road	Plant -2000 @ 1500 (including maintaince)	₹ 1,500	2000	₹ 3,000,000	₹ 1,000,500	₹ 1,000,500	₹ 999,000
		<b>TOTAL COST</b>			₹ 7,440,000		₹ 1,259,500	₹ 1,258,000
	<b>Water Environment</b>							
2	Portable STP	Installation of Portable STP of 50KLD x 4	₹ 1,700,000	4	₹ 6,800,000	₹ 3,000,000	₹ 3,000,000	₹ 800,000
	Procurement RO Plant	RO plant -16 no. (1000 LPH) @ 2,00,000/per unit	₹ 200,000	16	₹ 3,200,000	₹ 1,200,000	₹ 800,000	₹ 1,200,000
	Installation of RO plant	Installation Rs 5000/- per plant	₹ 5,000	16	₹ 80,000	₹ 30,000	₹ 30,000	₹ 20,000
	Maintenance of RO Plant	RO maintenance for 3 year @ 10,000/year/ RO	₹ 10,000	48	₹ 480,000	₹ 160,000	₹ 160,000	₹ 160,000
	Rain Water Harvesting in nearby village	RWH-12 no (dia-3.5 & depth-2.5) @ 3,00,000/per RWH (including raw material, labour, profit, construction, pipeline)	₹ 300,000	12	₹ 3,600,000	₹ 1,200,000	₹ 1,200,000	₹ 1,200,000
	Maintenance of RWH	RWH-12 no. before monsoon and after monsoon for 3 year @ 5000/ year/ RWH	₹ 5,000	36	₹ 180,000	₹ 50,000	₹ 50,000	₹ 60,000
	Miscellaneous expense	Maintenance of pipeline & other things			₹ 47,000			₹ 47,000
		<b>TOTAL COST</b>			₹ 14,387,000	₹ 5,640,000	₹ 5,240,000	₹ 3,487,000

Soil Environment								
3	Land reclamation of nearby area	Approx 6362 sqm equivalent to ground coverage of super structure creates @ trenching Rs 45.85/sqm; uprooting weed Rs 2.9/sqm; uprooting vegetation Rs 35.75/sqm; supply stacking of earth Rs 332.55/sqm; supply manure Rs 192.05/ sqm, grassing Rs 10.4/ sqm, Bed preparation Rs 130.25/ sqm, tree guard Rs 259/sqm, filling earth and sludge Rs 10.7/ sqm, anti terminate treatment Rs 47.6/tree, plant of 75 trees @ 1500/tree other charges	-	-	₹ 3,058,700			₹ 3,058,700
		<b>TOTAL COST</b>			₹ 3,058,700			₹ 3,058,700
Waste Management (As per Area requirement)								
4	Providing Different Color coded Bins	116 bin @ 2000 per/pcs	₹ 2,000	116	₹ 232,000	₹ 116,000	₹ 116,000	
	Organic Waste Converter		₹ 1,500,000	1	₹ 1,500,000	₹ 750,000	₹ 750,000	
		<b>TOTAL COST</b>			₹ 1,732,000	₹ 866,000	₹ 866,000	₹ 0
	Noise Environment							
5	Distribution of PPE to labour		-	-	₹ 1,000,000		₹ 1,000,000	
	Awareness program in nearby area for Noise		-	-	₹ 410,000		₹ 205,000	₹ 205,000
	Plantation in nearby area	700 trees @ Rs. 1500/tree	₹ 1,500	700	₹ 1,050,000	₹ 525,000	₹ 525,000	

		<b>TOTAL COST</b>			₹ 2,460,000	₹ 525,000	₹ 1,730,000	₹ 205,000
	Ecological Environment							
6	Plantation in nearby area	353 trees @ Rs. 1500/tree	₹ 1,500	353	₹ 529,500	₹ 264,750	₹ 264,750	
	Development of Park	In consideration with Panchayat, development of Panchayat Park.	-	-	₹ 100,000		₹ 100,000	
		<b>TOTAL COST</b>			₹ 629,500	₹ 264,750	₹ 364,750	₹ 0
		<b>COST OF REMEDIATION</b>			₹ 29,707,200	₹ 12,218,250	₹ 9,460,250	₹ 8,008,700

**Cost for Natural Resource Augmentation & Community Resources Augmentation Plan:**

S.no	Activity Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
<b>Natural Resource Augmentation Plan</b>								
1	Providing Solar Lighting in the village and School	1% of total power load(40 KW) will be solar	₹ 100,000	40	₹ 4,000,000	₹ 0	₹ 2,000,000	₹ 2,000,000
	Training to the farmers on agriculture	Training to the farmers on agriculture field to increase yield	₹ 100,000	1	₹ 100,000	₹ 50,000	₹ 50,000	₹ 0
		<b>TOTAL COST</b>			₹ 4,100,000	₹ 50,000	₹ 2,050,000	₹ 2,000,000

Community Resource Augmentation Plan								
2	Construction of sanitation facilities	22 number of toilets will be provided	₹ 50,000	22	₹ 1,100,000	₹ 550,000	₹ 550,000	₹ 0
	Providing Computers in the schools	30 computer @ 30,000	₹ 30,000	30	₹ 900,000	₹ 450,000	₹ 450,000	₹ 0
	upgradation of infrastructure of village school , better classrooms , ventillation and hygeine		lum sum	2	₹ 2,092,000	₹ 1,046,000	₹ 1,046,000	₹ 0
		<b>TOTAL COST</b>			₹ 4,092,000	₹ 2,046,000	₹ 2,046,000	₹ 0
		<b>COST OF NATURAL RESOURCE AUGUMENTATION AND COMMUNITY Resources Augmentation plan</b>			₹ 8,192,000	₹ 2,096,000	₹ 4,096,000	₹ 2,000,000
<b>Total Cost to be Spent:</b>								

S. No.	Particulars	Budget Allocated
1.	COST OF REMEDIATION	₹ 29,707,200
2.	COST OF NATURAL RESOURCE AUGMENTATION AND COMMUNITY WELFARE	₹ 8,192,000
<b>Total Expenditure</b>		<b>₹ 37,899,200</b> <b>(378.99 lakhs)</b>

EAC after detailed deliberation on the information submitted, recommended following:

- I. The total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 37,899,200**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 37,899,200 /-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- II. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- III. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 305.00 lakhs to be implemented.
- IV. **Other conditions recommended for the instant project shall remain same as stipulated in the 22<sup>nd</sup> meeting held on held on 21<sup>st</sup>-22<sup>nd</sup> May, 2019**

**27.5.2 Commercial Complex 'Spaze Corporate Park' at village Badshahpur, Sector 69- 70, District Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. – Further consideration for Environmental Clearance [IA/HR/MIS/84852/2017 date 06.11.2018] [F. No. 23-20/2019-IA.III (V) ]**

EAC in its 22<sup>nd</sup> meeting under para no. 22.3.3.5, after detailed deliberations on the additional information submitted by the PP, recommended the proposal for grant of Environmental Clearance. EAC recommended for an amount of Rs. **1,89,30,620/-** towards Remediation plan and Natural and Community Resource Augmentation plan and to be spent within a span of three year & fund allocation for Corporate Environment Responsibility (CER) of **Rs. 124.0 lakhs** towards various activities proposed.

EAC in the 26<sup>th</sup> meeting held on **30<sup>th</sup> September - 1<sup>st</sup> October, 2019 under item discussion on any other item with permission of the Chair** revisited the earlier recommendations regarding damage assessment cost. EAC deliberated in detail on the damage assessment cost and recommended for an amount of **Rs 219.06 lakhs** towards Remediation plan and Natural and Community Resource Augmentation plan which shall be spent within a span of three years.

As per the latest Corporate Environment Responsibility OM vide F.no- F-22-65/2017.IA.III the project capital cost is more than Rs. 100 Cr and in a greenfield project. The total project cost is 82.90 Cr. Hence, CER is revised to **Rs. 1.685 Crore** (2.03%) of the total project cost. PP has submitted the revised CER cost with activities.

*PP was advised to submit the revise remediation measures and community resource augmentation plan with year wise budgetary allocation before the 27<sup>th</sup> EAC meeting for further deliberation on the remediation measures and community resource augmentation plan based on the revised damage assessment.*

*PP vide letter dated 25.10.2019 submitted the following revised remediation plan, natural and community resources augmentation plan:*

**Cost of Remediation Plan**

S.no	Environmental Component	Remediation Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
1	Air Environment	Distribution of Wayu purifier	Wayu Purifier	₹ 60,000	20	₹ 1,200,000	₹ 1,200,000		
		Maintenance of Wayu	Maintenance - 3 year @ 1500/month	₹ 1,500	600	₹ 900,000	₹ 300,000	₹ 300,000	₹ 300,000

			Distribution of Sprinkler system	Sprinkler- 29 no. @ Rs. 1000/per pc	₹ 1,000	29	₹ 29,000	₹ 29,000			
				Twin Filtration system - @ Rs. 15000/pc	₹ 15,000	15	₹ 225,000	₹ 225,000			
				Pump -@ RS. 10000/pc	₹ 10,000	15	₹ 150,000	₹ 150,000			
				Water Distribution Pipeline - 2000 m@ Rs 160/m	₹ 160	2000	₹ 320,000	₹ 320,000			
			Gas Connection	Gas connection in nearby village	₹ 2,500	450	₹ 1,125,000	₹ 1,125,000			
			Plantation in Nearby area road	Plant -241 @ 1500 (including maintenance)	₹ 1,500	241	₹ 361,500	₹ 120,500	₹ 120,500	₹ 120,500	
				<b>TOTAL COST</b>			₹ 4,310,500	₹ 3,469,500	₹ 420,500	₹ 420,500	
2	Water Environment		Portable STP	Installation of Portable STPs of 50KL	₹ 2,000,000	1	₹ 2,000,000	₹ 1,000,000	₹ 1,000,000		
			Procurement RO Plant	RO plant -12 no. (1000 LPH) @ 2,00,000/per unit	₹ 200,000	12	₹ 2,400,000	₹ 1,800,000	₹ 300,000	₹ 300,000	
			Installation of RO plant	Installation Rs 5000/- per plant	₹ 5,000	12	₹ 60,000	₹ 20,000	₹ 20,000	₹ 20,000	
			Maintenance of RO Plant	RO maintenance for 3 year @ 10,000/ year/ RO	₹ 10,000	36	₹ 360,000	₹ 120,000	₹ 120,000	₹ 120,000	



			Rain Water Harvesting in nearby village	RWH-6 no (dia-3.5 & depth-2.5) @ 3,00,000/per RWH (including raw material, labour, profit, construction, pipeline)	₹ 300,000	6	₹ 1,800,000	₹ 1,800,000			
			Maintenance of RWH	RWH-6 no. before monsoon and after monsoon for 3 year @ 5000/ year/ RWH	₹ 5,000	42	₹ 210,000	₹ 70,000	₹ 70,000	₹ 70,000	
			Maintenance of Pipe fitting				₹ 69,000	₹ 23,000	₹ 23,000	₹ 23,000	
				<b>TOTAL COST</b>			₹ 6,899,000	₹ 4,833,000	₹ 1,533,000	₹ 533,000	
3	Soil Environment	Land reclamation of nearby area	Approx 6362 sqm equivalent to ground coverage of super structure creates @ trenching Rs 45.85/sqm; uprooting weedRs 2.9/sqm; uprooting vegetation Rs 35.75/sqm; supply stacking	-	-	₹ 2,443,000.00				₹ 2,443,000	

				of earth Rs 332.55/sqm; supply manure Rs 192.05/sqm, grassing Rs 10.4/ sqm, Bed preparation Rs 130.25/ sqm, tree guard Rs 259/sqm, filing earth and sludge Rs 10.7/ sqm, anti terminate treatment Rs 47.6/tree, plant of 75 trees @ 1500/tree other charges							
		Ecological Environment	Plantation in nearby area	200 trees @ Rs. 1500/tree	₹ 1,500	300	₹ 450,000	₹ 150,000	₹ 150,000	₹ 150,000	
			Development of Park	In consideration with Panchayat, development of Panchayat Park.	-	-	₹ 500,000	₹ 100,000	₹ 200,000	₹ 200,000	
				<b>TOTAL COST</b>			₹ 3,393,000	₹ 250,000	₹ 350,000	₹ 2,793,000	
4	Waste Management (As per Area requirement)	Providing Different Color coded Bins	221 bin @ 2000 per/pcs	₹ 2,000	221	₹ 442,000	₹ 148,000	₹ 147,000	₹ 147,000		

		Organic Waste Converter		₹ 600,000	1	₹ 600,000	₹ 300,000	₹ 300,000	
			<b>TOTAL COST</b>			₹ 1,042,000	₹ 448,000	₹ 447,000	₹ 147,000
5	Noise Environment	Distribution of PPE to labour		-	-	₹ 180,000	₹ 60,000	₹ 60,000	₹ 60,000
		Plantation in nearby area	300 trees @ Rs. 1500/tree	₹ 1,500	300	₹ 450,000	₹ 150,000	₹ 150,000	₹ 150,000
			<b>TOTAL COST</b>			₹ 630,000	₹ 210,000	₹ 210,000	₹ 210,000
			<b>Total COST OF REMEDIATION</b>			<b>₹ 16,274,500</b>	₹ 9,210,500	₹ 2,960,500	₹ 4,103,500

#### Cost of Natural and Community Resources Augmentation Plan

S.no	Component	Activity Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
1	Natural Resource Augmentation	Providing Solar Lighting in the village and School	Provision of Solar	₹ 100,000	10	₹ 1,000,000	₹ 300,000	₹ 300,000	₹ 400,000
		Training to the farmers on agriculture	Training to the farmers on agriculture field to increase yield	₹ 100,000	4	₹ 400,000	₹ 200,000	₹ 100,000	₹ 100,000

		Augmentation of natural water body	Nearby water body will be augmented		1	₹ 2,000,000	₹ 700,000	₹ 700,000	₹ 600,000
			TOTAL COST			<b>₹ 3,400,000</b>	₹ 1,200,000	₹ 1,100,000	₹ 1,100,000
2	Community Welfare	Construction of sanitation facilities	30 number of toilets will be provided	₹ 50,000	30	₹ 1,500,000	₹ 500,000	₹ 500,000	₹ 500,000
		Providing Computers in the schools	50 computers @ 30,000	₹ 30,000	10	₹ 300,000	₹ 100,000	₹ 100,000	₹ 100,000
		upgradation of infrastructure of village school , better classrooms , ventilation and hygiene				₹ 432,000	₹ 144,000	₹ 144,000	₹ 144,000
			TOTAL COST			<b>₹ 2,232,000</b>	₹ 744,000	₹ 744,000	₹ 744,000
			COST OF NATURAL RESOURCE AUGMENTATION AND			<b>₹ 5,632,000</b>	₹ 1,944,000	₹ 1,844,000	₹ 1,844,000

			COMMUNITY WELFARE						
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**Summary**

S. No.	Particulars	Budget Allocated
1	COST OF REMEDIATION	₹ 16,274,500
2	COST OF NATURAL RESOURCE AUGMENTATION AND COMMUNITY WELFARE	₹ 5,632,000
	Total Expenditure	₹ 2,19,06,000

EAC after detailed deliberation on the information submitted, recommended following:

- I. The total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 2,19,06,000/-**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 2,19,06,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- II. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- III. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 168.5 lakhs to be implemented.
- IV. **Other conditions recommended for the instant project shall remain same as stipulated in the 22<sup>nd</sup> meeting held on held on 21st-22nd May, 2019**

**27.5.3 Commercial Complex 'Spaze Boulevard I' at village Tikri, Sector - 47, Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance 28  
[IA/HR/MIS/84715/2017 dated 05.11.2018] [F. No. 23-39/2018-IA-III ]**

EAC in its 22<sup>nd</sup> meeting under para no. 22.3.4.5, after detailed deliberations on the additional information submitted by the PP, recommended the proposal for grant of Environmental Clearance. EAC recommended for an amount of **Rs. 1, 46, 24,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan and to be spent within a span of three year & fund allocation for Corporate Environment Responsibility (CER) of Rs. 138.22 lakhs towards various activities proposed.

EAC in the 26<sup>th</sup> meeting held on **30<sup>th</sup> September - 1<sup>st</sup> October, 2019 under item discussion on any other item with permission of the Chair** revisited the earlier recommendations regarding damage assessment cost. EAC based on the evolved guidelines, deliberated in detail on the damage assessment cost and recommended for an amount of **Rs 166.27 lakhs** towards Remediation plan and Natural and Community Resource Augmentation plan which shall be spent within a span of three years.

*PP is therefore advised to submit the revise remediation measures and community resource augmentation plan with year wise budgetary allocation before the 27<sup>th</sup> EAC meeting. EAC will deliberate on the remediation measures and community resource augmentation plan based on the revised damage assessment cost in next meeting, subject to submission of the required documents.*

*PP was advised to submit the revise remediation measures and community resource augmentation plan with year wise budgetary allocation before the 27<sup>th</sup> EAC meeting for further deliberation on the remediation measures and community resource augmentation plan based on the revised damage assessment.*

*PP vide letter dated 25.10.2019 submitted the following revised remediation plan and community resources augmentation plan:*

S.no	Remediation Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
<b>1</b>	<b>Air Environment</b>							
	Distribution of Wayu purifier	Wayu Purifier	₹ 60,000.00	20	₹ 1,200,000.00	₹ 1,200,000		
	Maintenance of Wayu	Maintenance - 2.5 year @ 1500/month	₹ 1,500.00	600	₹ 900,000.00	₹ 300,000	₹ 300,000	₹ 300,000

			Sprinkler- 41 no. @ Rs. 1000/per pc	₹ 1,000.00	41	₹ 41,000.00	₹ 41,000		
			Twin Filtration system - @ Rs. 15000/pc	₹ 15,000.00	7	₹ 105,000.00	₹ 105,000		
			Pump -@ RS. 10000/pc	₹ 10,000.00	20	₹ 200,000.00	₹ 200,000		
			Water Distribution Pipeline - 2500 m@ Rs 165/m	₹ 165.00	2500	₹ 412,500.00	₹ 412,500		
		Plantation in Nearby area road	Plant 335 @ 1500 (including maintenance)	₹ 1,500.00	335	₹ 502,500.00	₹ 502,500		
			<b>TOTAL COST</b>			₹ 3,361,000	₹ 2,761,000	₹ 300,000	₹ 300,000
	<b>2</b>	<b>Water Environment</b>							
		Procurement RO Plant	RO plant -5 no. (1000 LPH) @ 2,00,000/per uni0	₹ 200,000.00	<b>5</b>	₹ 1,000,000.00	₹ 333,333	₹ 333,333	₹ 333,333
		Installation of RO plant	Installation Rs 5000/- per plant	₹ 5,000.00	<b>5</b>	₹ 25,000.00	₹ 8,333	₹ 8,333	₹ 8,333
		Maintenance	RO Maintenance for 3 year @ 10,000/ year/	₹ 10,000.00	<b>5</b>	₹ 50,000.00	₹ 16,667	₹ 16,667	₹ 16,667

			of RO Plant	RO						
			Rain Water Harvesting in nearby village	RWH-16 no (dia-3.5 & depth-4) @ 3,00,000/per RWH (including raw material, labour, profit, construction, pipeline)	₹ 300,000.00	16	₹ 4,800,000.00	₹ 1,600,000	₹ 1,600,000	₹ 1,600,000
			Maintenance of RWH	RWH-16 no. before monsoon and after monsoon for 3 year @ 5000/ year/ RWH	₹ 5,000.00	48	₹ 240,000.00	₹ 80,000	₹ 80,000	₹ 80,000
			Maintenance of Pipe fittings				₹ 79,000	₹ 26,000	₹ 26,000	₹ 27,000
				<b>TOTAL COST</b>			₹ 6,194,000	₹ 2,064,333	₹ 2,064,333	₹ 2,065,333
		<b>3</b>	<b>Waste Management</b>							
			Organic Waste Converter	Installation of Organic Converter	₹ 547,000.00	1	₹ 547,000.00	₹ 182,333	₹ 182,333	₹ 182,333
				<b>TOTAL COST</b>			₹ 547,000	₹ 182,333	₹ 182,333	₹ 182,333
		<b>4</b>	<b>Noise Environment</b>							



	Distribution of PPE to labour	Distribution of PPE to labour	-	-	₹ 200,000.00		₹ 200,000.00	
	Noise Barrier	Noise barrier at high traffic point	-	-	₹ 1,086,000		₹ 1,086,000	
		<b>TOTAL COST</b>			₹ 1,286,000	₹ 0	₹ 1,286,000	₹ 0
<b>5</b>	<b>Ecological Environment</b>							
	Plantation in nearby area	1000 trees @ Rs. 1500/tree	₹ 1,500.00	1000	₹ 1,500,000.00	₹ 750,000	₹ 750,000	
	Development of park	Inconsideration with Panchayat for development of village park	-	-	₹ 48,700	₹ 24,350	₹ 24,350	
		<b>TOTAL COST</b>			₹ 1,548,700	₹ 774,350	₹ 774,350	₹ 0
	<b>COST OF REMEDIATION</b>				<b>₹ 12,936,700</b>	<b>₹ 5,782,017</b>	<b>₹ 4,607,017</b>	<b>₹ 2,547,667</b>

**Cost of Natural and Community Resources Augmentation Plan:**

S.no	Component	Activity Proposed	Further Remarks	Rate	Quantity	Total Cost	Year I	Year II	Year III
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	1	Natural Augmentation	Providing Solar Lighting in the village and School	16 KW will be solar	₹ 100,000.00	16	₹ 1,600,000.00			₹ 1,600,000.00	
				<b>TOTAL COST</b>				<b>₹ 1,600,000</b>	<b>₹ 0</b>	<b>₹ 0</b>	<b>₹ 1,600,000</b>
	2	Community Resource	Construction of sanitation facilities	16 number of toilets will be constructed	₹ 50,000.00	16	₹ 800,000.00	₹ 400,000.00	₹ 400,000.00	0	
			Providing Computers in the schools	25 computers @ 30,000	₹ 30,000.00	25	₹ 750,000.00	₹ 375,000.00	₹ 375,000.00	0	
			upgradation of infrastructure of village school , better classrooms , ventilation and hygiene			1	₹ 541,000	₹ 541,000	₹ 0	₹ 0	
				<b>TOTAL COST</b>				<b>₹ 2,091,000</b>	<b>₹ 1,316,000</b>	<b>₹ 775,000</b>	<b>₹ 0</b>

	<b>COST OF NATURAL RESOURCE AUGMENTATION AND COMMUNITY Resource Augmentation Plan</b>			<b>₹ 3,691,000</b>	<b>₹ 1,316,000</b>	<b>₹ 775,000</b>	<b>₹ 1,600,000</b>
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**Summary**

<b>S. No.</b>	<b>Particulars</b>	<b>Budget Allocated</b>
1	COST OF REMEDIATION	12,936,700
2	COST OF NATURAL RESOURCE AUGMENTATION AND COMMUNITY WELFARE	3,691,000
<b>Total Expenditure</b>		<b>16,627,700</b>

EAC after detailed deliberation on the information submitted, recommended following:

- I. The total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 16,627,700/-**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 16,627,700/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- II. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- III. **Other conditions recommended for the instant project shall remain same as stipulated in the 22<sup>nd</sup> meeting held on held on 21st-22nd May, 2019**

27.5.4	<p><b>Expansion of warehouse for storage of non-agriculture produce (Logistic) at Village Jhamuwas&amp;Gudhi, District Mewat, Haryana by M/s Gokaldas Warehousing Corp. Ltd. - Further consideration for Environmental Clearance.</b></p> <p><b>[IA/HR/MIS/84477/2018 dated 02.11.2018, [F. No. 23-281/2018-IA.III (V)]</b></p> <p>Above proposal was recommended by the EAC for Environmental Clearance in the 19<sup>th</sup> meeting held on 25<sup>th</sup>-26<sup>th</sup> Feb 2019. Project proponent vide letter dated 03.09.2019 informed that name of Proponent in the application submitted to the Ministry was “Gokaldas Warehousing Corporation” however in the 19<sup>th</sup> EAC minutes of meeting it was mentioned “M/s Gokaldas Warehousing Corporation limited”.</p> <p>PP therefore vide aforesaid letter requested to correct the Project Proponent name in the records and issue Environmental Clearance in favour of “Gokaldas Warehousing Corporation”</p> <p>EAC took the cognizance of the PP representation and agreed to correct the entry in the 19<sup>th</sup> EAC minutes as <b><i>M/s Gokaldas Warehousing Corporation</i></b> instead of M/s Gokaldas Warehousing Corporation limited</p>
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Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 27<sup>th</sup> meeting held on 31<sup>st</sup> October -1<sup>st</sup> November, 2019 at MoEF&CC, New Delhi and approved the above minutes.

Sl. No.	Name of the EAC member	Role/Designation	Signature
1.	Dr. S.R. Wate,	Chairman	
2.	Dr. G.V. Subrahmanyam	Member	
3.	Dr.A.L. Ramanathan	Member	
4.	Dr. M.V. Ramana Murthy,	Member	
5.	Shri K Gowarappan	Member	
6.	Dr.Dilip S. Ramekte,	Member	
7.	Dr. Poonam Kumria,	Member	
8.	Dr.Bharat Jain,	Member	
9.	Dr.SubrataMaity,	Member	
10.	Shri Ashok Agrawal	Member	
11.	Shri Raghu Kumar Kodali	Member Secretary	