

Minutes of 24th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 22nd-24th July, 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: 22nd July, 2019

Time: 10:30 AM

24.1. Opening remarks of the Chairman

24.2. Confirmation of the minutes of the 23rd meeting held on 25th-26th June, 2019 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

24.3 Proposal for consideration

24.3.1 Internal discussion for appraisal of proposal relating to violation of EIA Notification, 2006: EAC members discussed on the draft guidelines for preparation of damage assessment, remediation plan, natural and community resource augmentation plan and its quantification in Monetary Terms.

S.NO	Proposals
24.3.2	Commercial Complex 'Spaze Boulevard II' at village Tikri, Sector - 47, Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance [IA/HR/MIS/84791/2017 date 05.11.2018] [F. No. 23-40/2018-IA.III]
24.3.2.1	M/s Spaze Towers Pvt. Ltd. has made online application vide proposal no. IA/HR/MIS/84791/2017 date 05.11.2018 seeking Term of References 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 Haryana was completed at the time of initial appraisal.
24.3.2.2	<p>Details of the project as per the submission of project proponent:</p> <p>The project is Commercial Complex "Spaze Boulevard II" at Village Tikri, Sector-47, Gurgaon, Haryana, being developed by M/s Spaze Towers Pvt. Ltd. The total plot area of the project site is 8979.96 m² with net plot area is 7643.285 m² and Built-up area of 23,602.666 m².</p> <p>The Project proponent applied for environmental clearance as per the notification vide S.O. 804(E) dated 14.03.2017, case was applied under violation of EIA notification on 09.05.2017 as construction work started without getting Environmental Clearance.</p> <p>The total built-up area of the project is 23,602.666 m² which is less than 1,50,000 m² thus, it falls under activity 8(a) of EIA Notification, 2006. However, as per the notification vide S.O. MoEF&CC Notification no. S.O 804 (E) dated 14.03.2017, where it has been clearly notified that the violation cases/noncompliance will be treated as 'A' category project.</p> <p>Subsequently, the case was submitted to MoEF&CC on 09.05.2017 and thereafter, TOR was granted by MoEF&CC vide its letter no. F.No. 23-40/2018-IA-III dated 16.04.2018.</p>

Thereafter, as per amendment in notification vide S.O. 1030(E) dated 08.03.2018, the EIA report as per TOR granted was applied to SEAC/SEIAA, Haryana. However, in the meantime, the tenure of Haryana was completed and the proposal for grant of EC along with TOR compliance & EIA report was re-submitted to EAC, violation at MoEF&CC on 05.11.2018.

The proposal for grant of Environmental Clearance was appraised in the 17th Violation EAC meeting on 29.01.2019, wherein certain queries were raised to which the reply was submitted online to MoEF&CC on 28.02.2019. The proposal for reconsideration was appraised in the 20th Violation EAC Meeting 29.03.2019. Certain queries were raised again and reply to these queries was submitted to MoEF&CC on 24.04.2019. The case was again appraised for reconsideration of proposal for grant of Environmental Clearance in the 22nd EAC Meeting on 21.05.2019. Few queries were raised again and EAC suggested a site visit by sub-committee and the site visit by sub-committee was done on 24.06.2019. Now the case is enlisted in 24th EAC meeting for the violation of EIA Notification, 2006 on 22nd July 2019 at agenda 24.3.2

Land use :- The break-up of land use is given below:

Land Use	Area (m ²)	Percentage (% of net plot area)
Ground Coverage	2969.530	38.86
Green Area	825.790	10.80
Road Area/open area & surface parking	3847.965	50.34
Total net plot area	7643.285	100

Project Components

Connectivity to the site:

The project will comprise of various components i.e. Service Apartments, offices & retails

S.No.	Accessibility	Description	Distance & Direction
1.	Highway/ Road	SH-13 Approach Road SH-15A NH-8 NH-236	0.05 West 0.1 km W 3.13 km NNW 3.05 km NNW 7.06 km NE
2.	Railway Station & Metro Station	BasaiDhankot Railway Station	7.54 km NW
3.	Airport	Indira Gandhi International Airport	16.33 km NE

4. Cost of the project :- Rs. 46.76 Crores

5. Whether the project is in Critically Polluted area :- No.

6. If the project is for EC under EIA Notification, 2006

a) For the first-time appraisal by EAC:

- (i) Date of TOR: TOR granted by MoEF&CC vide F. No. 23-40/2018-IA-III dated 16-04-2018.
- (ii) Date of Public Hearing, Location NA
- (iii) Major issues raised during PH and response of PP NA

b) Second appraisal

- (i) Date of first /earlier appraisal
- (ii) Details of the information sought by the EAC with the response of the PP

The case was considered in 17th EAC, meeting dated 29.01.2019. few queries were raised. The reply of the queries was submitted to MoEF&CC on 28.02.2019 and the case was considered in 20th EAC, meeting dated 29.03. 2019. Certain queries were raised.

The reply of the queries was submitted to MoEF &CC and the case was enlisted in the 22nd EAC Meeting for the violation of EIA Notification, 2006 scheduled on 21.05.2019. EAC again raised some of the queries and also recommended for the site visit by the EAC subcommittee. Following queries were raised: -

- 1. Damage assessment of Air and water needs to be revised and also revised the damage matrix.
- 2. Damage assessment submitted by the PP does not cover all the attributes like noise, ecology, land and EC/BC etc.
- 3. Land use land cover has not been properly worked out
- 4. Submission of plantation details.

In addition to above points following Queries raised in ADS generated after site visit by expert committee: -

- 1. Details of STP water used during construction phase with a proof of bills.
- 2. Proposed Schematic Diagram of Rain water harvesting pit with Dual Bore Hole:
- 3. Drainage Plan of the entire site
- 4. Order/BOQ of Organic waste converter.
- 5. Submission of an Undertaking for green belt development plantation and solar energy provision in the areas suggested by committee.
- 6. Suggested to utilize the space between the two projects (the present one and operational one), which are now used for Palm tree plantation. Suggested to prepare and submit suitable/implementable Greenbelt and Green Area development plan with list of suitable species on the future available and made available land:
- 7. Suggested to vacate/empty some area by removing/digging and “open area” (0.8- 1 m wide) around the building and to utilize for plantation/greenery development.
- 8. Submission of STP Schematic Diagram with capacity with UV treatment details
- 9. Construction of two more Rain water harvesting pits.
- 10. Storage tank capacity details.
- 11. Status of ECBC compliance and commitment.

The reply of the queries was submitted to MoEF&CC on 12.07.2019. The case is now enlisted in the 24th EAC Meeting for the violation of EIA Notification, 2006 scheduled on 22.07.2019.

7. If the project is in CRZ area: Nil

8.If the project involves diversion of forest land extend of the forest land status of forest clearance:- Nil

9. If the project falls within 10 km of eco- sensitive area,
No eco- sensitive area falls within 10 km radius of the project

10.Waste Management

(i) Water requirement, source, status of clearance :- (i) The total water requirement of the project will be 106 KLD. The source of water will be Haryana Urban Development Authority (HUDA).

(ii) Waste water quantity, treatment capacity, detail: - (ii) The total wastewater generation will be 70 KLD. The wastewater shall be treated in the Sewage Treatment Plant (STP) of capacity 100KLD.

(iii) Recycling / reuse of treated water and disposal :- (iii) 66 KLD of treated water will be reused in Flushing, Gardening & HVAC Cooling & Misc. purposes. It is zero liquid discharge complex.

(iv) Solid Waste Management :- (iv) Around 336 kg/day of municipal solid waste will be generated from the complex. Biodegradable waste of 235 kg/day shall be treated in organic waste converter of the complex; recyclable 84kg/day&17 kg/day of Plastic waste shall be given to approved recycler.

(v) Hazardous Waste Management :- (v) Approx. 19litres/month of used oil will be generated from the DG sets which shall be kept in an isolated area and in leak proof container and shall be given to authorized recycler as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.

12. Other details:

- i. **Noise Modelling with noise control measures for airports:** - Not applicable since it is not an airport.
- ii. **Details of water bodies, impact on drainage, if any:** - No water exits within the site. Hence, there will be no changes in water bodies on the land. Natural contour and drainage pattern of the site will be disturbed due to construction of the project; therefore, artificial contour shall be maintained. Storm water and surface runoff from the site shall be channelized to 4 no of RWH pits proposed within the site.
- iii. **Details of tree cutting:** - No Trees shall be cut.
- iv. **Energy conservation measures with estimated saving:**
 - Adequate design to limit the losses in transmission and distribution system.
 - Solar provision for 1% of electric load.

	<ul style="list-style-type: none"> • Use of street solar lighting • Use of energy efficient devices like light sources such as LED lights in common areas • Use of capacitors at load centres to improve voltage and power factor to reduce distributional losses and also to avoid penalty by state electricity authority. • Use of 5 Star rated pumps in STP & water supply system • All high efficiency motors will be used in the complex. • Air tunnels in the design to provide cross-ventilation for reducing power consumption. • About 12% of energy will be saved using LED <p>v. Green belt development (20 % of construction projects and 33 % for others) :- The green belt for the proposed project is planned to provide a clean, healthy and beautiful green environment. 825.79 m²(10.80 % of the net plot area) of organized green area will be developed within the project.</p> <p>vi. Parking requirement with provision made :- Parking Required 178ECS & Parking Provided: - 214 ECS</p> <p>12. If the project involves foreshore facilities :- Not Applicable</p> <p>13. If the project involves Marine disposal: - Not Applicable</p>
24.3.2.3	<p>Observations and recommendations of committee of 17th EAC meeting held on 29-31 January, 2019:</p> <p>PP and consultant made a detailed presentation before the EAC. EAC after detailed deliberation on the information submitted and presentation made by PP, <i>recommended to defer</i> the project for want of submission of following information:</p> <ol style="list-style-type: none"> 1. Conservation plan for schedule 1 species to be submitted duly approved by Chief Wildlife Warden. 2. Since STP waste water was used during construction and likely impact on health be assessed and presented. 3. Rework the damage assessment work cost over and above CER/EMP cost. 4. Ionic balance of water quality and along with soil quality is to be rechecked. 5. Proof for action initiated against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986. 6. Environment baseline matrix shall be modified and the budgetary estimate for damage assessment shall be revised with a 3-year action plan to be resubmitted on the following points: <ul style="list-style-type: none"> • Air Quality modelling and GLC prediction with input data during the construction and operation, including DG Sets and transport movement and the impact on the construction workers nearby habitations. • Water- Impacts on Surface/Ground water and construction workers, their consumption and waste water generation impact and RWH system nonprovision thereof. • LULC comparison and impact evaluation. • Non-provision of green belt and the quantity. • Nosie modelling during construction phase. • ECBC 2007/2017 compliance by perspective method to be furnished and the cumulative impact due to non-provision so far. • Waste management during construction and subsequent damages to be remediated.

24.3.2.4	<p>Observations and recommendations of committee of 20th EAC meeting held on 28th-29th March, 2019:</p> <p>PP along with the consultant made the detailed presentation on the detailed sought in 17th EAC meeting held on held on, 29-31 January, 2019. The EAC deferred the proposal because of following short fall while appraising the project:</p> <ol style="list-style-type: none"> 1. Impact on local infrastructure due to construction workers. 2. Status of EC/BC compliance. 3. Installation of solar power at 1% of the demand. 4. AAQ impact considering the total construction activity needs to be reworked in addition to impact in the core zone. 5. Certificate for analysis of water quality parameters to be submitted for the water supplied to the workers for drinking purpose. 6. Comparing the LULC and consequent impact on the core zone and the buffer zone. 7. Soil quality be checked with respect to texture and cation exchange capacity moreover unit of NPK values be given in kg/ha not in mg/kg 8. Water analysis data need to be furnished. Water analysis results (post construction stage) indicate increase in the conc. Level of most of the parameters. Reason for the same shall be submitted. 9. Damage assessment in respect of water environment to be reassessed and the matrix value has to be revised accordingly. 10. Summary of damage matrix and over all damage assessment, subsequent final damage assessment needs to be changed in line with the above observation. 11. Rework for ecological damage assessment and the restoration plan. 12. Rework for traffic damage assessment considering 5 km radius from the project site. 13. Rework geological and hydrological damage assessment. 14. Budget of damaged remediation plan, natural resource and community resource augmentation plan shall be revised. 15. Year wise (3 years) summary for the remediation plan, natural resource and community resource augmentation plan shall be submitted.
24.3.2.5	<p>Observations and recommendations of EAC in the 22nd meeting held on 21- 22nd May 2019:</p> <p>PP along with the consultant made the detailed presentation on the information sought by the EAC in its 20th EAC meeting held on, 28th -29th March, 2019. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> I. Damage assessment of Air and water needs to be revised and also revised the damage matrix. II. Damage assessment submitted by the PP does not cover all the attributes like noise, ecology, land and EC/BC etc. III. Land use land cover has not been properly worked out. IV. Submission of plantation details. EAC also recommended the site visit to the project site for ascertaining prevailing environmental settings.
24.3.2.6	<p>Observations and recommendations of Subcommittee during site visit</p>

Date of Project Site Visit: June 24th, 2019. Site visit was appraised during 23rd EAC meeting held on 25th- 26th June 2019

Observations of the Committee:

- The PP has provided space for construction/development of required STP and ETP to take care of the Wastes and Effluents;
- There is provision of required/proposed under-ground parking space in basement for the vehicles;
- The PP left space for temporary storing of Hazardous and Non-hazardous Wastes for separation and subsequent disposal through authorized agent/s, but the facilities to be developed;
- PP has arranged to lay down ducting system for required air ventilation/circulation in the basement;
- PP has attempted to develop greenery and to plant few ornamental trees (Weeping Deoder – Cedrus deodara), seems only a few days back, which are not grown,
- Details of Water Recharging System along with the details of the PITS required to take care of water volume of the roof-top as well as that of the paved concrete areas;
- Details of Plantation including Greenbelt and Green Area (area with species/plant number, wherever possible
- There is no space/land available within the complex for tree plantation and even greenery development
- PP claimed that they had left sufficient land of the building area towards the main road to develop plantation; but subsequently that area has now been taken for widening of main road, as such there is no available land for plantation
- Compliance to ECBC is partial in the lighting area, etc.

Committee advised to submit the following additional information before EAC (Violation) along with ADS:

1. Details of STP water used during construction phase with a proof of bills
2. Proposed Schematic Diagram of Rain water harvesting pit with Dual Bore Hole
3. Drainage Plan of the entire site
4. Order/BOQ of Organic waste converter
5. Submission of an Undertaking for green belt development plantation and solar energy provision in the areas suggested by committee
6. Suggested to utilize the space between the two projects (the present one and operational one), which are now used for Palm tree plantation. Suggested to prepare and submit suitable/implementable Greenbelt and Green Area development plan with list of suitable species on the future available and made available land.
7. Suggested to vacate/empty some area by removing/digging and “open Area” (0.8- 1 m wide) around the building and to utilize for plantation/greenery development
8. Submission of STP Schematic Diagram with capacity with UV treatment details
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24.3.2.7

Observations and recommendations during the present EAC meeting held on 22-24 July 2019:

PP along with the consultant submitted the additional information, as sought in the earlier meeting of EAC and during the site visit and made detailed presentation before the Committee. The Committee observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan with a cost of **1,0015,000/-**.

EAC, after detailed deliberations on the information submitted, advised PP to submit the revised remediation cost, revised summary of cost on Environmental Protection, revised CER activities, revised EMP breakup on 23rd June 2019 before the committee for further deliberation.

PP submitted the above information on 23rd June 2019 and presented before the committee, EAC after detailed deliberations on the additional information submitted by the PP, **recommended** the proposal for **grant of Environmental Clearance** subject to the following specific conditions in addition to all standard conditions applicable for such projects:

- I. EAC recommended for an amount of **1,35,65,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

➤ **Cost of Remediation Plan**

S. No.	Particular	Remediation Budget (INR)
1.	Air Environment	<ul style="list-style-type: none"> ➤ Distribution of Wayu Purifier@ INR 60,000 x 8 = INR 4,80,000/- ➤ Maintenance of Wayu Purifier@ INR 1,500 x 36 Months = 54,000 per Purifier x 8 Wayu Purifier = INR 4,32,000 ➤ Distribution of Sprinkler System 50nos.= INR 5,90,000 ➤ Health Checkup Camp in nearby villages = INR 5,00,000 ➤ Plantation in nearby roads@ INR 1500 x 332 = INR 4,98,000 <p>Total Cost = ₹ 25,00,000</p>
2.	Water Environment	<ul style="list-style-type: none"> ➤ Installation of Portable STPs (50 KL Capacity) three nos. @ INR 3,00,00 x 3 = INR 9,00,000 ➤ Procurement of RO Plants5no.s @ INR 2,00,000 x 5 = INR 10,00,000 ➤ Installation of RO Plant @5000 per plant= 5000 x 5nos. = INR 25,000 ➤ RWH in nearby village @ INR 1,50,000 x 20 = INR 30,00,000 ➤ Maintenance of RWH @ INR 10,000/Year/Pit = INR10,000 x 20 pits x 3years = INR 6,00,000 <p>Total Cost = ₹ 55,25,000</p>
3.	Waste/ Soil Management	<ul style="list-style-type: none"> ➤ Development of Park in consultation with HUDA – INR 11,00,000

		<ul style="list-style-type: none"> ➤ Organic Waste Converter Installation@ INR 10,00,000 = INR 10,00,000 <p>Total Cost = ₹21,00,000</p>
4.	Noise Environment	<ul style="list-style-type: none"> ➤ Distribution of PPE to labour = INR 1,00,000 ➤ Awareness program in nearby area for Noise = INR 1,00,000 <p>Total Cost = ₹2,00,000</p>
5.	Ecological Environment	<ul style="list-style-type: none"> ➤ Plantation in nearby Area @ INR 1500 x 400 = INR 6,00,000 ➤ Development of Park= INR 6,00,000 <p>Total Cost = ₹12,00,000</p>

➤ **Year wise break up of remediation Plan**

S. No.	Activity	YEAR-WISE IMPLEMENTATION BUDGET (INR)			Total Budget (INR)
		1 st Year	2 nd Year	3 rd Year	
1.	Air Environment	16,30,000	5,60,000	3,10,000	25,00,000
2.	Water Environment	24,10,000	24,10,000	7,05,000	55,25,000
3.	Soil/ Waste Management	10,00,000	0	11,00,000	21,00,000
4.	Noise Environment	0	1,50,000	50,000	2,00,000
5.	Ecological Environment	3,00,000	3,00,000	6,00,000	12,00,000
Total Budget For Revised Remediation Plan (INR)		53,40,000	34,20,000	27,65,000	1,15,25,000

S. No.	Aspect	Activity	YEAR-WISE IMPLEMENTATION BUDGET (INR)			Total Budget (INR)
			1 st Year	2 nd Year	3 rd Year	
1.	Natural Resource	Providing Solar Lighting in the village (10kW)	5,00,000	5,00,000	0	10,00,000
TOTAL BUDGET FOR NATURAL RESOURCE AUGMENTATION PLAN (INR)						10,00,000/-
1.	Community Welfare	10 toilets shall be provided	0	2,50,000	2,50,000	5,00,000
2.		18 Computers in the schools @30,000 per PC	2,70,000	2,70,000		5,40,000
Total Budget For Revised Community Resource Augmentation Plan (INR)						10,40,000/-

➤ **Summary**

S. No.	PARTICULARS	PROPOSED BUDGET (INR)
1.	Remediation Plan	1,15,25,000

2.	Natural Resource Augmentation Plan	10,00,000
3.	Community Resource Augmentation Plan	10,40,000
	Total Budget For Remediation, Natural & Community Resource Augmentation	1,35,65,000/-

II. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 1,35,65,000/-**.

III. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 1,35,65,000/-** 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. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA-III dated 1st May, 2018 and proposed by the project proponent, an amount of Rs 93.52 lakhs shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as Plantation (Rs 15.00 lakhs), Sanitation & waste management (Rs 25.00 lakhs), Electrification including solar power (Rs 23.38 Lakhs), Skill development (Rs 30.14 lakhs). The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

VI. 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.

VII. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.

VIII. PP shall implement RWH system as per the building code and guidelines.

IX. PP shall comply with the requirement of Green Belt (GB) guidelines of MOEF, apart from the committed GB during the meeting.

X. PP shall comply with ECBC of 2017 applicable for commercial buildings.

XI. PP shall generate @1% of solar power/renewable energy, of the total demand.

24.3.3 Manufacturing bulk drugs and active pharmaceutical ingredients (APIs) along with R&D facility by M/s Shilpa Medicare Limited at Deosugar Industrial Area, Taluka and District Raichur (Karnataka) - Further consideration for Environmental Clearance [IA/KA/IND2/75276/2018 dated 08.01.2019] [F. No. J-11011/191/2017-IA.II(I)]

24.3.3.1	M/s Shilpa Medicare Limited has made online application vide proposal no. IA/KA/IND2/75276/2018 dated 08.01.2019 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under item 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.																																																												
24.3.3.2	<p>Details of the project as per the submission of project proponent:</p> <p>The Project Proponent and the Consultant M/s. Samrakshan, Bengaluru made a detailed presentation on the salient features of the project and informed that:</p> <p>M/s. Shilpa Medicare Limited - Unit I is located at Plot No. 1A, 1A"P", 1B, 2, 2A, 2B, 3A to 3E, 4A, 4B, 4C, 5A & 5B, Deosugar Industrial Area, Raichur, Karnataka is an Active Pharmaceutical Ingredients (APIs) and intermediates manufacturing industry with R&D activity. Industry manufactures lifesaving drugs including anti-cancer. Application was made to MoEFCC as per notification no. S.O.804(E) dated 14.3.2017 with project report for obtaining Environmental Clearance (EC) as the project falls under category 5(f) - bulk drugs and intermediates of EIA notification 2006. The industry is 4.5 km from Karnataka Telangana inter-state border.</p> <p>The report was appraised in the 2nd meeting by Expert Appraisal Committee related to violation of the EIA notification, 2006 on 16th Jan 2018. ToR was recommended by the EAC in the meeting held on 30-31 January 2018 and vide letter no. F. No.J-11011/191/2017-IAII(I) dated 14th June 2018. Accordingly, environment impact assessment study was carried out and the report prepared.</p> <p>Products and Production Capacities</p> <table border="1" data-bbox="529 1178 1351 2009"> <thead> <tr> <th>Sl. No.</th> <th>Product details</th> <th>Production quantity, MT/ annum</th> </tr> </thead> <tbody> <tr><td>1</td><td>Acebrophylline</td><td>36</td></tr> <tr><td>2</td><td>AmbroxolHCl</td><td>72</td></tr> <tr><td>3</td><td>BuflomedilHCl</td><td>12</td></tr> <tr><td>4</td><td>Nifedipine</td><td>12</td></tr> <tr><td>5</td><td>Phenyl ephrineHCl</td><td>18</td></tr> <tr><td>6</td><td>Sildenafil citrate</td><td>12</td></tr> <tr><td>7</td><td>TiclopidineHCl</td><td>24</td></tr> <tr><td>8</td><td>Ursodeoxycholic acid</td><td>108</td></tr> <tr><td colspan="3" style="text-align: center;">ONCOLOGY PRODUCTS</td></tr> <tr><td>9</td><td>Anastrozole</td><td>0.06</td></tr> <tr><td>10</td><td>BendamustineHCl</td><td>0.06</td></tr> <tr><td>11</td><td>Bicalutamide</td><td>2.4</td></tr> <tr><td>12</td><td>Bortezomib</td><td>0.012</td></tr> <tr><td>13</td><td>Capecitabine</td><td>12</td></tr> <tr><td>14</td><td>Carboplatin</td><td>0.6</td></tr> <tr><td>15</td><td>Cisplatin</td><td>0.6</td></tr> <tr><td>16</td><td>Docetaxeltrihydrate</td><td>0.6</td></tr> <tr><td>17</td><td>EpirubicinHCl</td><td>0.24</td></tr> <tr><td>18</td><td>Gefitinib</td><td>0.12</td></tr> </tbody> </table>	Sl. No.	Product details	Production quantity, MT/ annum	1	Acebrophylline	36	2	AmbroxolHCl	72	3	BuflomedilHCl	12	4	Nifedipine	12	5	Phenyl ephrineHCl	18	6	Sildenafil citrate	12	7	TiclopidineHCl	24	8	Ursodeoxycholic acid	108	ONCOLOGY PRODUCTS			9	Anastrozole	0.06	10	BendamustineHCl	0.06	11	Bicalutamide	2.4	12	Bortezomib	0.012	13	Capecitabine	12	14	Carboplatin	0.6	15	Cisplatin	0.6	16	Docetaxeltrihydrate	0.6	17	EpirubicinHCl	0.24	18	Gefitinib	0.12
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13	Capecitabine	12																																																											
14	Carboplatin	0.6																																																											
15	Cisplatin	0.6																																																											
16	Docetaxeltrihydrate	0.6																																																											
17	EpirubicinHCl	0.24																																																											
18	Gefitinib	0.12																																																											

19	Gemcitabine HCl	3
20	Imatinibmesylate	1.2
21	IrinotecanHCltrihydrate	0.12
22	Lenalidomide	0.012
23	Letrozole	0.06
24	Oxaliplatin	0.06
25	Paclitaxel	0.12
26	Pemetrexed	0.12
27	Temozolomide	1.2
28	Thalidomide	0.6
29	TopotecanHCl	0.06
30	Zoledronic acid	0.06
Total		317.304 MT/ annum

Existing land area is **95,975.34 m²**. Industry has already developed / will develop greenbelt in an area of 33 % i.e. **33,591.25m² (i.e. 35%)** out of total area of the project.

The estimated project cost is Rs. **130.3851 Crores**. Total capital cost earmarked towards environmental pollution control measures is Rs. **2.764 crores** and the recurring cost (operation and maintenance) will be about Rs. **2.88 crores** per annum.

Total employment will be **150** Persons as direct & **200** persons indirect. Industry proposes to allocate **Rs. 1.83 crores @2% of capital cost of Rs. 91.51 crores (excluding the cost of windmills which is outside the project boundary)** towards Corporate Environmental Responsibility (CER) as per Ministry OM dated 1st May, 2018.

There are **no** national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River **Krishna** is flowing at a distance of **4.22 km** in **northern** direction.

Ambient air quality monitoring was carried out at **seven** locations during **March to May 2018** and the baseline data indicates the ranges of concentrations as: PM₁₀ (**45.5 to 78.2 µg/m³**), PM_{2.5} (**19.4 to 45.2µg/m³**), SO₂ (**7.4 to 19.3µg/m³**) and NO₂ (**8.1 to 19.9 µg/m³**). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be **max 79.35 µg/m³**, **max 21.1µg/m³** and **max19.9 µg/m³** with respect to PM₁₀, SO_x and NO_x respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

Total water requirement is **56 m³/day** of which fresh water requirement of **56 m³/day** will be met from **KIADB (Krishna River)**.

Effluent of **26 KLD** quantity will be treated through **Effluent Treatment Plant of Unit II**. The plant will be based on **Zero Liquid discharge system**.

Power requirement is 1800 KVA and will be met from Gulbarga Electricity Supply Company, a branch of Karnataka State power distribution corporation limited (KPTCL). Existing unit has two DG sets of 325 kVA capacity and are used as standby during power failure. Stack (height 5 m ARL is provided for existing DG sets)

Existing unit has two 4 TPH coal or briquette fired boiler. Multi cyclone separator (2 no.s) with a stack of height of 30 m AGL is installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boilers.

Process section is provided with 4 stacks of 3 m height ARL. Each stack is provided with packed column scrubber to control emissions.

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

Item	Qty. per annum	Unit	Mode of disposal
Municipal solid waste	13.7	T/annum	For piggery
Boiler ash	183	T/annum	Brick industries
Used oil from DG sets	0.2	KL/annum	KSPCB authorized spent oil re-processors
Spent solvents	39.6	KL/annum	KSPCB authorized recyclers/re-processors.
Distillation residue	2	MT/annum	Incineration
Process residue	2	MT/annum	Incineration
Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	200	No.s/ annum	KSPCB authorized recyclers
Spent carbon	1	MT/annum	Incineration

ii. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on **13th November 2018**. The main issues raised during the public hearing are as:

Positive Responses

- Provided employment to local people.
- Carrying out lot of CER / CSR activities in surrounding villages.
- No effect on surrounding environment.

Negative Responses

- Pollution of Konnanahalla located at a distance of 2.28 km to the south.
- More employment opportunities to the local people.
- Odour problem due to the industries in the industrial area.
- Groundwater at Yadlapura (1.6 km away towards Northeast) and Heggasana Halli (1.08 km away towards South) are not fit for drinking. Borewell water at Bismilla Brick Industry, Chikkasugur (3.9 km towards South east direction) is contaminated.
- Crop damage in Sri Jagannath Reddy's agricultural land (at 2.66 km towards south east) & Sri. Suganagouda land (Heggasanahalli Village (at around 2 km towards south).
- Environmental issues related to neighbouring thermal power plant viz. coal transport & ash handling.

<p>24.3.3.3</p>	<p>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:</p> <p>The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, recommended to defer the proposal for want of following information from project proponent:</p> <ul style="list-style-type: none"> i. The project EIA report needs revision and is required to be submitted by incorporating calculation for dust emitted in construction phase and the potential damage it has caused without control measures in place on ecology and surrounding area. The dust also likely to be generated from the nearby Thermal Power plant during that phase be taken into account while assessing cumulative impact. While calculating damage assessment rework for water utilization without permission and not constructing rainwater harvesting structures to be considered. ii. Revised budget for environment damage to be submitted. The PP while making presentation mentioned about VOCs concentration of 1.5 PPM. In view of this high concentration non-point emission of VOCs be calculated. iii. Looking at the inventory of solvent, fire hazard scenario in cases of fire and emergency preparedness plan, damage distance for toxicity in case of non fire hazard scenario along with risk mitigation plan along with Standard Operating Procedure is to be submitted. iv. CER action plan along with the revised budget is to be submitted. v. Revised EMP capital cost and recurring cost to be submitted. vi. Copy of health certificate issued by the primary health centre is to be submitted. vii. Based on rainfall details, details on rain water harvesting pits already constructed and to be constructed is to be submitted. viii. MoU between PP and TSDF is to be submitted. ix. Revised green belt plan (33%) is to be submitted. x. Declaration of revised Capital cost of the project to be submitted. xi. Sanctioned copy of water source from KSDP is to be submitted. xii. 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>24.3.3.4</p>	<p>Observations and recommendations in the 21st EAC held on 15th-16th April, 2019:</p> <p>The EAC, after detailed deliberations on the additional information sought in the 19th EAC held on 25th -26th Feb 2019 and documents submitted, recommended to defer the proposal for want of following information from project proponent:</p> <ul style="list-style-type: none"> 1. Risk assessment using 3 D modeling is to be done and same to be submitted. 2. Credible proof for the activities and amount spent under CSR is to be submitted. 3. Justification for the bulk storage of organic solvent shall be submitted.

	<p>4. Explosive permission for storing of solvents</p> <p>5. Proof of Credible action initiated against violation of EIA Notification, 2006</p> <p>6. Revised remediation and natural community resources augmentation plan taking into account the benefit accrued during the violation period shall be submitted.</p>																					
<p>24.3.3.5</p>	<p>Observations and recommendations in the 24th EAC (present EAC) held during 22nd-24th July 2019:</p> <p>PP along with the consultant submitted the additional information, as sought in the earlier meeting of EAC and made detailed presentation before the Committee.</p> <p>The amount already spent toward CSR was Rs. 1.57 Crores from 01.06.2017 to 31.05.2019 in this regard PP has submitted the proof for expenditure made. Financial benefit derived due to violation was Rs. 3729.12 lakhs. EAC considering the 10% of the` profit i.e Rs 372.91 lakhs and to be spent towards cost of damage assessment. EAC considered the amount spent of Rs 157.06 lakhs towards the CSR activities while calculating the total damage assessment cost. Balance to be considered towards Remediation plan and Natural and Community Resource Augmentation plan apart from CER is 215.90 lakhs/-.</p> <p>The Committee observed that PP has already submitted Remediation plan and Natural and Community Resource Augmentation plan with a cost of 234.5 lakhs/-.</p> <p>EAC, after detailed deliberations on the information submitted, advised PP to submit the revised remediation plan with time line of three years, revised Natural Augmentation Plan, revised CER activities on 23rd June 2019 before the committee for further deliberation.</p> <p>PP presented the information on 23rd June 2019 before the committee, EAC after detailed deliberations on the additional information submitted by the PP, recommended the proposal for grant of Environmental Clearance subject to the following specific conditions in addition to all standard conditions applicable for such projects:</p> <p>II. EAC recommended for an amount of Rs 234.5 Lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:</p> <p>III. Cost of Remediation Plan</p> <table border="1" data-bbox="375 1568 1540 2016"> <thead> <tr> <th data-bbox="375 1568 534 1680">Attribute</th> <th data-bbox="534 1568 1029 1680">Environmental damage remediation measures</th> <th data-bbox="1029 1568 1189 1680">Financial provision, Rs. Lakhs</th> <th data-bbox="1189 1568 1268 1680">2019-20</th> <th data-bbox="1268 1568 1364 1680">2020-21</th> <th data-bbox="1364 1568 1452 1680">2021-22</th> <th data-bbox="1452 1568 1540 1680">Total</th> </tr> </thead> <tbody> <tr> <td data-bbox="375 1680 534 1904">Air & noise</td> <td data-bbox="534 1680 1029 1904">Green-belt development within the industry premises – 4000 plants @ Rs. 500 per plant (@ 1,500 trees / hectare of green belt area. Species:Vange, Neem, dalbergia sissou, Melia</td> <td data-bbox="1029 1680 1189 1904" style="text-align: center;">20</td> <td data-bbox="1189 1680 1268 1904" style="text-align: center;">12</td> <td data-bbox="1268 1680 1364 1904" style="text-align: center;">4</td> <td data-bbox="1364 1680 1452 1904" style="text-align: center;">4</td> <td data-bbox="1452 1680 1540 1904" style="text-align: center;">20</td> </tr> <tr> <td data-bbox="375 1904 534 2016"></td> <td data-bbox="534 1904 1029 2016">Total green belt area at site is 3.164 Hectares = 4000 proposed + 765 existing). Species:Vange,Neem,</td> <td data-bbox="1029 1904 1189 2016"></td> <td data-bbox="1189 1904 1268 2016"></td> <td data-bbox="1268 1904 1364 2016"></td> <td data-bbox="1364 1904 1452 2016"></td> <td data-bbox="1452 1904 1540 2016"></td> </tr> </tbody> </table>	Attribute	Environmental damage remediation measures	Financial provision, Rs. Lakhs	2019-20	2020-21	2021-22	Total	Air & noise	Green-belt development within the industry premises – 4000 plants @ Rs. 500 per plant (@ 1,500 trees / hectare of green belt area. Species:Vange, Neem, dalbergia sissou, Melia	20	12	4	4	20		Total green belt area at site is 3.164 Hectares = 4000 proposed + 765 existing). Species:Vange,Neem,					
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		dalbergia sissoo, Melia dubia, peepal & other Local species					
	Water	Construction of rainwater recharging pits in & around the industry premises (95 no.s @ Rs. 30,000/- per pit).	28.5	7.5	12	9	28.5
		Expenditure towards "SujalamSuphalam" scheme to enhance access to community water resource leading to reduction in drought effect and increase income levels of farmers at the locations identified by the Government of Karnataka by removal of accumulated silt in the ponds, over the year's and utilization of silt so removed for improving the fertility of the agricultural land. Name Of the Ponds: Katleutkooor Village Marched Pond, Chandra Banda Pond, GanmurPond , Udamgal Pond , Tuntapur, Baidoddi, Vadavatti, each pond based on the silt qty., Shilpa MedicareContribution will be Rs.25 Lakhs for 6 Ponds	150	50	50	50	150
	Land & ecology	Development of plantation along the road sides – Wadloor, No of Plants - 400 Species : Vange, Neem, Dalbergia sissoo, Melia	2	0.4	0.8	0.8	2
	Socio-economic	Providing infrastructure to Govt. Schools like school benches, books to the needy students in Deosugur, Chicksugur, Wadloor, Yermaras, kadlur, Gunjalli & other surrounding villages, where ever Required, SarkariHiriyaPrthamika sale , MPCl Colony , Hegasanhalli Sakari HiriyaPrathamika Sala , Belmanchi, Sarkarikiriya Prathamika Sale - Nagalapur, Sarkari Prahmika Sale Devasugur, and other surrounding Villages Toilets in Wadloor Village school					

	Books to the Students	3	1	1	1	3
	School Benches in the above villages	5	2	2	1	5
	Toilets in wadloor school village	2	2			2
	Providing assistance to Kanadasasevasikshanasamithi , Raichur - an orphanage Rs.4.00 Lakhs & school for Sri Manikprabhu academy Blind trust- a school for poor Blind with Hostel - Rs.5.5 Lakhs & assistance to Swamy Vivekandayuth movement Trust, Raichur-Rs.0.5 Lakhs	10	4	5	1	10
	Total	220.5	78.9	74.8	66.8	220.5

IV. Cost of Natural Resources Augmentation

Attributes	Natural resources augmentation measures	Financial provision, Rs. Lakhs	2019-20	2020-21	2021-22	Total
Land	Community green-belt development through NGO "Green Raichur" in Chicksugur Village, Hegasanhalli Village , 500 Trees in each village Species :Vange, Neem, dalbergia sissoo, Melia dubia, peepal& other Local species	6	3	2	1	6
TOTAL		6	3	2	1	6

V. Cost of Community Resources Augmentation

Activity	Financial provision, Rs. Lakhs	2019-20	2020-21	2021-22	Total
Medical camps in the surrounding villages, Deosugur, Chicksugur, Yedlapur, Wadloor, Hegasanhalli, Yermaras, etc.in consultation with District Health Authorities & distribution of medicines to the needy patients	3	1	1	1	3
Providing scholarships for needy students in Govt. schools in surrounding villages of Deosugur, Hegasanhalli, Chicksugur, Wadloor, Yadav	5	1.5	1.5	2	5

Nagar, MPCL Colony , Hegganahalli.					
TOTAL	8	2.5	2.5	3	8

Total Budgetary Provisions:

Description	Financial provision, Rs. Lakhs
Environmental damage remediation	220.5
Natural resources augmentation	6
Community resources augmentation	8
TOTAL	234.5
Two Crores Thirty Four Lakhs Fifty Thousand Only	

Year Wise Implementation of Remediation Plan

Sl. No.	Description	Year wise budgetary provision, Rs. Lakhs			Total budget, Rs. Lakhs
		2019-20	2020-21	2021-22	
1	Environmental damage remediation	78.9	74.8	66.8	220.5
2	Natural resources augmentation	3	2	1	6
3	Community resources augmentation	2.5	2.5	3	8
TOTAL		84.4	79.3	70.8	234.5

VI. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 234.5 Lakhs**.

VII. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 234.5 Lakhs** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.

VIII. 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.

IX. As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May, 2018, and as proposed by the project proponent, an amount of Rs 1.83 lakhs shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to avenue plantation in public places, infrastructure for drinking water supply, infrastructure for sanitation & health, activities for improvement of agricultural practices and skill development programs. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall

be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

- X. 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.
- XI. Preventive measures to be taken to control ignition sources in bulk storage area.
- XII. Fire protection system to be established above ground storage tanks.
- XIII. Proper measures to be taken to prevent internal tank explosion.
- XIV. Chemicals that are water reactive needs to be separated from chemicals that do not react with water.
- XV. Proper precautions to be taken to prevent inadvertent mixing of chemicals.
- XVI. Standard operating procedures to be strictly followed during handling of chemicals.
- XVII. Solvents shall be stored in a separate space specified with all safety measures.
- XVIII. Process effluent/any wastewater shall not be allowed to mix with storm water.
- XIX. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- XX. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc.
- XXI. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- XXII. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
- XXIII. Hydrogen detectors with alarms shall be installed at the Hydro generators reactors and at cylinders for early detection and warning.
- XXIV. The vent of the water seal tank may be extended at least three meters above the building to avoid release of hydrogen gas at the ground level. The vent should be regularly maintained to prevent blockage.
- XXV. Foam monitors shall be installed for all above ground solvent tanks.
- XXVI. Medium expansion foam generators system shall be installed to prevent vaporization of the solvent and rapid blanketing of any spilled solvent inside the dyke.

Day 2: 23rd July 2019																						
24.4.1	Expansion of Jagannath Opencast Coal Mining project from 6 MTPA to 7.5 MTPA with increase in mine lease area from 430.76 ha to 553.946 ha of M/s Mahanadi Coalfields Limited, located in District Angul, Odisha – Environmental Clearance [IA/OR/CMIN/108556/2018 dated 19.06.2019] [F. No.J-11015/177/2015-IA.II(M)]																					
24.4.1.1	M/s Mahanadi Coalfields Limited has made online application vide proposal no. IA/OR/CMIN/57703/2016 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.																					
24.4.1.2	<p>Details of the project as per the submission of project proponent:</p> <p>Project title, location (plot No./ Village/ Tehsil/ District) :- Jagannath OCP expansion , AT/PO-Balanda, Talcher, Talcher Sadar, Dist- Angul Odisha-759116.</p> <p>Jagannath OCP Expn. 7.5 Mty is an opencast coal mine located in Talcher Coalfield in Angul district of Odisha. It is an old mine operating since 1970. Project has been granted EC for expansion form 6.0 Mty to 7.5 Mty, till 31-03-2019. As per the EC letter J-11015/177/2005-IA-II(M) on 6th September 2018, there being excess coal production and non-compliance of the EC conditions, and thus violation of the EIA notification, 2006, the proposal shall be separately considered by the EAC (Violation) in pursuance of the Ministry’s Notification, 14-03-2017.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">I. Projects Details</th> </tr> </thead> <tbody> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 55%;">Name of the Project</td> <td>Jagannath OCP Expansion (7.5 Mty)</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Name of the Company, Address, Tele No & E-mail</td> <td>Mahanadi Coalfields Limited PO: Jagruti Vihar, Burla, Sambalpur, 768020 Telephone: 0663-2542084 E-mail: gmenvt2017@gmail.com</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Latitude and Longitude of the Project</td> <td>20^o 58’ 42’’ to 20^o 56’ 14’’ N 85^o 07’ 10’’ to 85^o 9’ 55’’ E Toposheet No: 73 H/1</td> </tr> <tr> <td style="text-align: center;">4</td> <td>If joint venture, the names & Address of the JV Partners including their share</td> <td>Not applicable</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Whether the project is in the Critically Polluted Area (CPA)</td> <td>Yes</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Cost of the Project</td> <td>Rs. 337.66 crs. (Additional)</td> </tr> </tbody> </table>	I. Projects Details			1	Name of the Project	Jagannath OCP Expansion (7.5 Mty)	2	Name of the Company, Address, Tele No & E-mail	Mahanadi Coalfields Limited PO: Jagruti Vihar, Burla, Sambalpur, 768020 Telephone: 0663-2542084 E-mail: gmenvt2017@gmail.com	3	Latitude and Longitude of the Project	20 ^o 58’ 42’’ to 20 ^o 56’ 14’’ N 85 ^o 07’ 10’’ to 85 ^o 9’ 55’’ E Toposheet No: 73 H/1	4	If joint venture, the names & Address of the JV Partners including their share	Not applicable	5	Whether the project is in the Critically Polluted Area (CPA)	Yes	6	Cost of the Project	Rs. 337.66 crs. (Additional)
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6	Cost of the Project	Rs. 337.66 crs. (Additional)																				

7	Employment generated/ to be generated	534(Existing) + 185 (Expansion) direct employment opportunity. Beside above indirect employments will also be generated.
8	Benefits of the Projects	(i) Improvement in physical and social infrastructure like roads, school building, provision of drinking water, community hall, plantation etc. (ii) Increase in employment potential (iii) Contribution to the Exchequer (both State and Central Govt.) (iv) Improvement of Electrical Power Generation and availability of electricity in rural areas (v) Overall economic growth of the country.
9	Whether new or Expansion Project (i) from MT toMT (ii) What is the % of expansion	Expansion (In ML area & capacity) (i) 6.0 Mty to 7.5 Mty (ii) 25% [Expansion in ML area from 430.736 Ha to 553.946 Ha i.e expansion in ML area 123.21 Ha]
10	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	No
11	If expansion, please indicate the number and date of the certified compliance report of Regional Office of the MoEF.	Obtained vide letter no. 101-174/ EPE dt:05-04-17 & 101-174/EPE/149 dt: 29-06-2018.
12	No. and Date of the ToR letter issued by MoEF (if this is a case for EC)	1. ToR was issued by MoEF & CC, New Delhi vide letter No.J-11015/177/2005-IA.II (M) pt dated 16th August, 2017. 2. An amendment ToR for exemption of PH is issued by MoEF&CC vide letter no. -11015/177/2005-IA.II (M) pt dated 28th December, 2017.
13	No. and Date of the EC letter issued by MoEF (if this is a case for reconsideration, if so what specific	i. Environmental Clearance of Jagannath Opencast (Expn.) Project for 6.0 Mty was obtained vide MoEF

	reconsideration(s) being sought by the proponent)	letter no.J/11015/177/2005-IA-II (M) on 29 th September 2005. ii. Environmental Clearance of Jagannath Opencast (Expn.) Project for 7.5 Mty was obtained vide MoEF letter no. J-11015/177/2005-IA-II(M) on 6 th September 2018.
14	If the Project was considered in EAC, Pl. gives dates of the meeting(s).	1. 1 st EAC meeting was held on 24-08-16 (ToR) 2. 2 nd EAC meeting was held on 25-07-17 (ToR) 3. 3 rd EAC meeting was held on 27-10-17 (ToR) 4. 4 th EAC meeting was held on 17.05.2018 – 18.05.2018 (EC) 5. 5 th EAC meeting was held on 24.07.2018 (EC)
15	Type of Mine (Open cast/ Underground/ mixed)	Open Cast
16	Capacity of the mine applied for	7.5 Mty
17	ML Area (a) As per block allotment (Ha) (b) As per approved mine plan (Ha)	553.946 Ha
18	Date of approval of mine plans, mine closure plan, status & date	Approved by MoC vide letter no. F.No.34012/(04)/2011-CPAM Dtd. 16 th May 2017
19	Date of Board's Approval	The Mining Plan and Mine Closure Plan of Jagannath OCP Expansion (7.5 Mty) was approved by MCL Board on 18-04-2017 (189 th meeting).
20	Date of Ground water clearance	Applied.
21	Existing Ground water level (in m)	Pre Monsoon: 4.48 m Post Monsoon : 1.1 m
22	Date of mine closure approval	Approved by MoC vide letter no. F.No.34012/(04)/2011-CPAM Dtd. 16 th May 2017

23	Any river/ Nallaha flowing adjacent to the proposed mine. If yes, please give details	1. Bangaru jhor is about 100 m (North) 2. Brahmani river is about 7.5 km (East). 3. Nandira jhor is about 6.0 km (South). 4. Singhara jhor is about 6.5 km (North-West).						
24	Details of mine Lease	Land acquired under Coal Bearing Areas (Acquisition and Development) Act, 1957 & LA Act 1884.						
II. TECHNICAL DETAILS								
25	Geological Reserve							
i	Total geological reserve	82.97 Mt						
ii	Mineable reserve	72.14 Mt						
iii	Extractable reserve	72.14 Mt						
iv	Percent (%) of extraction	86.94 %						
v	Range of ground water level	<table border="1"> <tr> <td rowspan="2">Pre monsoon</td> <td>Min – 0.80 mbgl</td> </tr> <tr> <td>Max – 13.27 mbgl</td> </tr> <tr> <td rowspan="2">Post monsoon</td> <td>Min – 1.05 mbgl</td> </tr> <tr> <td>Max – 9.85 mbgl</td> </tr> </table>	Pre monsoon	Min – 0.80 mbgl	Max – 13.27 mbgl	Post monsoon	Min – 1.05 mbgl	Max – 9.85 mbgl
Pre monsoon	Min – 0.80 mbgl							
	Max – 13.27 mbgl							
Post monsoon	Min – 1.05 mbgl							
	Max – 9.85 mbgl							
vi	Total estimated water requirement	2219.30 Kld						
26	Details of Deposits							

	i	Thickness of seams	<table border="1"> <thead> <tr> <th>Particulars</th> <th>Unit</th> <th>Max</th> <th>Min</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td colspan="5">Seam Thickness</td> </tr> <tr> <td>i) Seam V A</td> <td>m</td> <td>4.29</td> <td>2.40</td> <td>2.01</td> </tr> <tr> <td>ii) Seam IV</td> <td>m</td> <td>11.80</td> <td>4.0</td> <td>7.62</td> </tr> <tr> <td>iii) Seam III Top</td> <td>m</td> <td>5.56</td> <td>1.79</td> <td>3.92</td> </tr> <tr> <td>iv) Seam III Bottom</td> <td>m</td> <td>5.20</td> <td>1.70</td> <td>4.33</td> </tr> <tr> <td>v) Seam III Combined</td> <td>m</td> <td>16.70</td> <td>11.59</td> <td>11.26</td> </tr> <tr> <td>vi) Seam II</td> <td>m</td> <td>36.55</td> <td>25.91</td> <td>31.08</td> </tr> </tbody> </table>	Particulars	Unit	Max	Min	Avg.	Seam Thickness					i) Seam V A	m	4.29	2.40	2.01	ii) Seam IV	m	11.80	4.0	7.62	iii) Seam III Top	m	5.56	1.79	3.92	iv) Seam III Bottom	m	5.20	1.70	4.33	v) Seam III Combined	m	16.70	11.59	11.26	vi) Seam II	m	36.55	25.91	31.08
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	ii	Grade of Coal	G12																																								
iii	Stripping ratio	1.09																																									
27	Method of mining	Opencast Mining by Shovel – Dumper in OB; surface miner, pay loader & tipper in coal																																									
28	Life of mine	10 years																																									
29	Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits.	Yes, Baseline Data has been generated for the period of 3 rd November 2017 to 2 nd February 2018 and average values of all the parameters are well within permissible limit.																																									
30	Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, if the proposal is for expansion.	Yes, Obtained vide letter no. 101-174/ EPE dt: 05-04-17 & 29-06-2018																																									
31	Details of O.B																																										
i	External OB dumps																																										
ii	No of OB dumps	2 (Existing)																																									
iii	Area	36.470 (Existing)																																									

iv	Height	30 m
v	Quantity	5.51 Mm ³ (as on 31-03-18)
vi	Year of back filling	At present, the OB of the existing mine is being dumped internally. The entire OB from proposed project (78.35 Mm ³) will be dumped internally in continuation with present internal dumping.
vii	No. of OB dumps reclaimed	2
viii	If garland drains and settlement facility for runoff created	Yes
ix	Whether run off water being utilized	Yes, for plantation.
32	Details of Internal Dumps:	
i	Number of Internal dumps	2
ii	Area	249.325 Ha
iii	Height	Up to ground level
iv	Quantity	158.43 Mm ³
33	Utilization potential of wastes	Solid waste generated is OB (overburden). Presently, the total OB generated is being backfilled concurrently in internal dump and then plantation is being done over the same area. Till 31.03.2018, total OB externally dumped is 5.514 Mm ³ over an area of 36.47 Ha which is planted with native species and a green cover has been generated over the area. And 80.066 Mm ³ of OB has been internally backfilled over an area of 199.65 Ha. Total 158.35 Ha area has been planted with 387375 nos. of plants.
34	Details of final Mine Voids:	
i	Area	227.401 Ha
ii	Depth	Minimum 48 m to Maximum 165 m
35	Details of Quarry	

	i	Total quarry area	476.726 Ha
	ii	Backfilled quarry area which shall be reclaimed with plantation	229.15 Ha -Plantation 20.175 Ha To be converted to grass land (conceptual)
	iii	Area and depth of void which is proposed to be converted into water body	227.401 Ha Minimum 48 m to Maximum 165 m
	iv	Green belt created in ha	Total 158.35 Ha area has been planted with 387375 nos of plants till 31.03.2018.

	36	Details of Forest Issues	
	i)	Total forest area involved (in ha)	82.736 Ha
	ii)	Status of Forest Clearance	Forest clearance for 82.736 Ha (58.096 Ha & 24.64 Ha) have been obtained on 9 th Nov, 2005 and 7 th Feb, 2014 respectively.
	iii)	Is there any National Park, eco- sensitive Zones, within 10KM radius? Is so, Give the details	No
	iv)	Extent of forest land in the project (including safety zone and all types of forest land) (in ha)	82.736 Ha
	v)	Total forest land for which stage-I FC is available (give area in ha),	Forest clearance for 82.736 Ha (58.096 ha & 24.64 Ha) have been obtained on 9 th Nov, 2005 and 7 th Feb, 2014 respectively.
	vi)	Balance forest land for which Stage-I FC is not available (give area in ha)	Nil
	vii)	Details of wild life issues involved, if any. If so, whether WL management plan has been prepared and pl. indicate the status.	No additional wildlife plan is required.
	vii)	Whether schedule – I species, if yes conservation plan is approved by CWLW?	No
	37	Cost of project:	
	i)	Total Capital Costs	Rs. 409.08 (including 337.66 crs., Additional)
	ii)	Cost of production	Estimated Rs. 853.01/tonne
	iii)	Sale Price (Actual)	Rs. 919.49/tonne
	iv)	CSR Cost (Actual)	Fund for CSR will be allocated based on 2% of the average net profit of the company for the three immediate preceding financial years or Rs. 2.00 per tonne of coal

			production of the previous year whichever is higher.
	v)	R&R Cost	Estimated Rs. 919.20 Lakh (Additional)
	vi)	No of PAFs	230 (Additional)
	vii)	Environment Management cost	Rs. 1546 Lakhs
	38	Details of villages/habitataion in mine lease area	Balanda, Purunia, Nakshetrapur, Chandpur, Padmabatipur & Rakas
	39	Details of transportation of coal	
	i)	In Pit	Existing: 6.0 Mty through tippers to CHP. Proposed: 7.5 Mty Surface Miner coal through Tippers
	ii)	Surface to siding	Existing Surface to TTPS : 2.0 Mty (through belt conveyer) Surface to siding : 3.0 Mty (Through tippers) Surface to Road sale : 1.0 Mty Proposed Surface to TTPS : 2.0 Mty (through belt conveyer) Surface to siding : 4.0 Mty (Through Tippers) Surface to Road sale : 1.5 Mty
	iii)	Siding to loading	Through Pay loader
	iv)	Quantity being transported by road/rail/conveyor/ropeway	Conveyor Belt : 2.0 Mty Rail : 3.0 Mty Road : 1.0 Mty
	v)	Proposed change in transportation means if any, give details	Conveyor Belt : 2.0 Mty Rail : 4.0 Mty Road : 1.5 Mty
	40	Details of reclamation	
	a.	Total Afforestation plan shall be implemented covering of mining. This will include	

i	Reclaimed external OB dump (in ha)	36.47 Ha, which will be re-handled back into quarry during mine closure.
ii	Internal dump (in ha)	249.325 Ha (post closure). 229.15 Ha will be afforested and the remaining 20.175 Ha is proposed to be converted into grass land.
iii	Green belt (in ha)	8.15 Ha
iv	Density of tree plantation (in nos of plants)	2500 nos per Ha
v	Void(in ha.) at a depth of (in m) which is proposed to be converted into water body	227.401 Ha Minimum 48 m to Maximum 165 m
vi	Other in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc.)	13.05 Ha
vii	Agriculture and horticulture	--
viii	Fisheries	--
ix	Eco tourism/ recreation spot	--

III. LEGAL ISSUES

41	Any court cases pending. If so, please provide a list with details as annexure	No
i	Environment Act	Not Applicable
ii	Air Act	Not Applicable
iii	Water Act	Not Applicable
iv	MMRD Act	Not Applicable
v	Factories Act	Not Applicable
vi	Other land R&R related Cases	Not Applicable
42	Any violation cases pending. If so, please provide a list with details as annexure	No, However demand notice for Rs.95.03 cr has been issued by Dy.

			Director of Mines under MMDR Act 1957 for excess production beyond EC capacity. Revisional Authority , MoC has granted stay.	
43	Give details of actual coal production vis-à-vis sanctioned capacity since the inception of mine in following format			
	Year	EC sanctioned capacity (MTPA)	Actual Production (MTPA)	Excess production beyond the EC sanctioned capacity
	1970-71	--	0.00	--
	1971-72	--	0.03	--
	1972-73	--	0.06	--
	1973-74	--	0.15	--
	1974-75	--	0.21	--
	1975-76	--	0.40	--
	1976-77	--	0.39	--
	1977-78	--	0.42	--
	1978-79	--	0.62	--
	1979-80	--	0.58	--
	1980-81	--	0.89	--
	1981-82	--	0.87	--
	1982-83	--	1.17	--
	1983-84	--	1.75	--
	1984-85	--	2.21	--
	1985-86	--	2.33	--
	1986-87	--	2.02	--
	1987-88	--	2.20	--
	1988-89	--	2.50	--
	1989-90	--	3.21	--

			1990-91	--	4.30	--
			1991-92	--	5.18	--
			1992-93	--	5.50	--
			1993-94	--	5.15	--
			1994-95	--	5.51	--
			1995-96	--	5.53	--
			1996-97	--	5.60	--
			1997-98	--	5.49	--
			1998-99	--	5.40	--
			1999-2000	--	5.02	--
			2000-01	--	5.43	--
			2001-02	--	5.69	--
			2002-03	--	5.20	--
			2003-04	--	4.34	--
			2004-05	--	3.57	--
			2005-06	6.0	4.45	Nil
			2006-07	6.0	5.57	Nil
			2007-08	6.0	5.31	Nil
			2008-09	6.0	5.42	Nil
			2009-10	6.0	5.70	Nil
			2010-11	6.0	6.33	0.33
			2011-12	6.0	6.00	Nil
			2012-13	6.0	6.00	Nil
			2013-14	6.0	6.00	Nil
			2014-15	6.0	2.65	Nil
			2015-16	6.0	4.36	Nil

	2016-17	6.0	3.34	Nil
	2017-18	6.0	3.61	Nil
	2018-19	7.5		

V. Consultant:

44	Name of the consultant who prepared the EIA/EMP report	CMPDI
45	Whether the consultant has been accredited by the QCI & NABL and whether it is accredited with Quality Council of India (QCI)/National Accreditation Board of Education and Training (NABET) as per MoEF OM dated 2nd December 2009.	Yes, Certificate of accreditation vide No. NABET/EIA/1720/RA 0092 valid till 01.10.2020.
46	Name of specialists/consultants involved in making EIA report and in collecting data	CMPDI

24.4.1.3

Observations and recommendations of committee in 24th meeting held during 22nd -24th July 2019:

Project proponent along with the consultant from CMPDI presented the case before the EAC and apprised EAC that Jagannath OCP Expn. 7.5 Mty is an opencast coal mine located in Talcher Coalfield in Angul district of Odisha. It is an old mine operating since 1970. Project has been granted EC for expansion from 6.0 Mty to 7.5 Mty, with EC validity till 31-03-2019. As per the EC letter J-11015/177/2005-IA-II(M) on 6th September 2018, there being excess coal production and non-compliance of the EC conditions (Coal production exceeded to 6.33 MTPA beyond EC capacity of 6.0 MTPA in the year 2010-11), and thus violation of the EIA notification, 2006, the proposal shall be separately considered by the EAC (Violation) in pursuance of the Ministry's Notification, 14-03-2017.

ToR was issued by the Ministry vide letter no. J-11015/177/2005-IA.II (M) dated 10 Dec 2018 in pursuance of Ministry Notification S.O 804 (E) dated 14.03.2017. EAC after detailed deliberation on the information as presented by the PP observed that the Consultant and the Proponent did not present full EIA report as the case was to be considered for grant of EC beyond Sept, 2019 as well the specific ToR present made was found to be grossly inadequate in terms of damage assessment where proper weighted to water quality and air quality was not properly addressed. The components of CER was not properly addressed with year wise activity.

In view of above EAC **deferred** the project for want of following:

1. Revised quantification of damage assessment to all the environmental parameters.
2. Furnish full copy of EIA report adding chapter 13 before the committee.
3. General presentation on the standard ToR is to be made before the committee.
4. Benefit accrued during the violation period is to be submitted.

	<ol style="list-style-type: none"> 5. Worst case scenario considering total capacity/quantity under mining along with revised AQIP modelling. 6. Ground water intersection details along with clearance letter is to be submitted. 7. Hydrological studies as per the GEC 2015 is to be submitted and studies of micro water shed details of the mining area and ground water numerical and analytical model studies depicting the impact on ground water regime of the water shed area and the remedial plans to augment the damage due to mining shall be brought out. 8. Impact of mining dust on soil quality shall be studied. 9. Status of credible action as per the ToR is to be submitted. 10. Details of R & R implementation status is to be submitted. 11. EMP cost under capital and recurring head is to be submitted component wise. 12. Revised Form 2 application submitting details like OB management, details of final voids, legible copy of FC letter and PH advertisement 13. Garland drain, toe wall and slopes drains details with photograph is to be submitted. 14. Existing green belt with photographs shall be submitted. 15. Risk assessment and disaster management plan be submitted. 16. Coal linkage letter. 17. Status of credible action. 18. Whether mine is in critical polluted area? 19. An EMP indicating all environmental related features like Green Belt, surface water structures like garland drain, toe wall, check dam, settling ponds, safety zone. All the dumps including separate top soil dump, piezometers locations etc. and other features shall be submitted and also water danger plan with or without protection measures against inundation as per DGMS specified to be submitted. 20. Safety Management Plan of the mine being implemented to be submitted. 21. Compliance status of conditions enumerated in EC obtained in 2005/2006. 22. LULC analysis for the core and as well as buffer zone.
24.4.2	<p>Sivaganga Graphite Mining project with enhancement of production capacity from 60,000 TPA to 1,05,000 TPA Graphite ROM in the mine lease area of 236.85 Ha at Survey Nos. 89/1, 32/2&4, 3/14 & Ors. at Villages Pudupatti, Senthudayanathapuram and Kumarapatti, Taluk & District Sivaganga, Tamil Nadu by M/s Tamil Nadu Minerals Ltd. - Further consideration for Environmental Clearance</p> <p>[IA/TN/MIN/94181/2017 dated 04.02.2019] [F. No. 23-153/2018-IA.III (V)]</p>
24.4.2.1	<p>M/s Tamil Nadu Minerals Ltd. has made online application vide proposal no. IA/TN/MIN/94181/2017 dated 04.02.2019 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>
24.4.2.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Name of the project:- Sivaganga Graphite Mines of M/s. Tamil Nadu Minerals Limited 2. Name of the Company, Address Tele No. & E-mail Head of organization :- M/s. Tamil Nadu Minerals Limited (A Government of Tamil Nadu Undertaking) Thiru. Mahesan Kasirajan,I.A.S., Managing Director, M/s. Tamil Nadu Minerals Limited, 31 Kamarajar Salai, Chepauk, Chennai – 600005, Tamil Nadu 3. If a Joint venture, the names & addresses of the JV partners including their share :- NIL 4. Latitude and Longitude of the project :-

North: N- 9° 54'0.72"E78°24'4.32"
 East: N- 9° 53'59.64E78°27'0.36"
 South: N- 9° 53'24.00E78°25'26.04"
 West: N-9°53'11.76E78°23'40.20"

5. Whether the project is in the Critically Polluted Area (CPA) :- No

6. Cost of the project :- Rs. 3000 Lakhs

7. Employment generation/to be generated :-

S. No	Description	No of persons
1	Direct employment in Mine	70

Note: Direct employment in Beneficiation Plant 98 Nos and Indirect 200 Nos

8. Benefits of the project :-

- The graphite ore mining in Sivaganga area has been going on since 1986 and the mines have been continuously operated by TAMIN since then. The graphite ore is transported to TAMIN's beneficiation plant situated about 500m away from the mine lease boundary and the plant is rated to process 200TPD to yield 27.10 T of graphite concentrate of 96% F.C purity with 92.20% recovery.
- Graphite mining operations provided direct employment to about 70 persons and the graphite beneficiation plant about 98 persons. Indirectly about 200 persons will benefited by indirect employment prospects in allied sectors like logistical arrangements, green belt creation, trading opportunities, ancillary industries etc.,
- Improvements occur in personal income and life style of local people due to employment prospects, etc as mentioned above.
- Generation of self-employment through self-help groups.
- Improvement in Per Capita Income.
- The socio - Economic conditions of the village will enhance due to the project, hence the project should be allowed after considering all the parameters.
- It can thus be concluded that the project is environmentally compatible, financially viable and would be in the interest of construction industry thereby indirectly benefiting the masses.

9. Whether new or expansion project. If expansion: Expansion, From 0.6 Lakh TPA to 1.05 Lakh TPA

(ii) What is the % of expansion: 75 %

10. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF

- (i) (if this is a case for EC) :- ToR for project area of 319.01 Ha(Comprising 236.85Ha of ML area and 82.16 Ha external dump area outside the lease) for production capacity of 0.6 lakh TPA was obtained vide letter no. J.11015 /204/2010 – IA.II (M) dated 19th August 2010 and extension of validity for the same was obtained in 26th March 2013. For this proposal, Public Hearing was conducted on 27.06.2013 and Final EIA was prepared and submitted to MOEF&CC vide letter No. 11595/ML1/2006 dated 14.08.2013.
- (ii) In the meantime, as per the Indian Bureau of Mines manual on Appraisal of Mining Plan 2014, dumping has to be carried out within the lease area only. Hence the project area got reduced from 319.01 Ha to 236.85 Ha. Subsequently, production enhancement for 1.05 Lakh TPA is also planned.

(iii) Proponent applied for Environmental clearance for ML area of 236.85 Ha and also for increase in production capacity to 1.05Lakh TPA from 0.6 lakh TPA of Graphite ore. ToR for this expansion project issued by MoEF & CC by their letter No. J-11015/64/2015-IA.II (M) dated 28th May, 2015.

(iv) Environmental Clearance application is submitted under violation category vide proposal no IA/TN/MIN/64509/2017 dated 19th May 2018. Proposal acceptance received from Ministry on 20.06.2018. Proposal Considered during 9th meeting of EAC violation meeting held on 27-28 June 2018 & ToR issued vide No. 23-153/2018-IA.III (V) dated 13.11.2018.

11. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent) :- Not Applicable

12. If the project was considered in EAC, Pl.give dates of the meeting (s) :-

- For TOR - Item No 2.37 in Agenda for 32nd meeting of the reconstituted expert appraisal committee (non-coal mining), scheduled during April 30, 2015.
- For EC - Item No 2.22 in Agenda for 14th meeting of the reconstituted expert appraisal committee (non-coal mining), scheduled during January 31, 2017.
- Proposal Considered during 9th meeting of EAC violation meeting held on 27-28 June 2018 & ToR issued vide No. 23-153/2018-IA.III (V) dated 13.11.2018.
- ToR was received with One- month validation of Baseline data and exemption of Public Hearing vide No.23-153/2018-IA.III (V) dated 13.11.2018
- Final EIA Submitted under violation category vide proposal No. IA/TN/MIN/94181/2017 dated 04.02.2019.
- Proposal considered in 19th EAC(violation) held on 25-26th February 2019.
- Proposal deferred in 19th EAC (violation) due to additional details sought.
- Additional details sought by MS on March 12th 2019
- Additional details sought was submitted on April 26th 2019.
- Proposal Considered in 22nd EAC Agenda S. No.22.3.6
- Proposal deferred in 22nd EAC (Violation) due to additional details sought. Additional details sought by MS on 4th June 2019
- Additional details sought was submitted on 3rd July 2019
- Proposal again reconsidered and recalled in 24th EAC Meeting (22-24 July 2019) to be held on 23.07.2019 S. No.24.4.2

13. Type of Mine: (Open cast/Underground/mixed) :- Opencast Fully Mechanized Method

14. Capacity of the mine applied for :- Increase in production capacity to 1.05LTPA from 0.6 LTPA of Graphite.

15. ML Area 236.85 Ha

16. Date of approval of mine plan, mine closure plan, status & date :-

- The Mining Plan for Sivaganga Graphite Mine was approved by the Regional Controller of Mines, Indian Bureau of Mines, Chennai vide TN/PMT/MP/GM- 676, MDS, dated: 11.03.1994 over an extent of 242.46.5Ha.
- Subsequently, the First Phase of Scheme of Mining for the above said area was approved by the Controller of Mines, Indian Bureau of Mines, Bangalore vide TN/SG/GR/MS-75/SZ, dated: 20.07.2000 for the period pertaining to the years from 1999-2000 to 2003-2004 over an extent of 242.46.5Ha.

- Second Phase of Scheme of Mining pertaining to the years from 2004-2005 to 2008-2009 was also approved by the Controller of Mines, Indian Bureau of Mines, Bangalore vide TN/SG/GR/MS-260-SZ, dated: 24.12.2004 over an extent of 242.46.5Ha.
- The Scheme of Mining for Renewal of Lease over an extent of 236.85.0Ha was approved by the Regional Controller of Mines, Indian Bureau of Mines, Chennai-90 vide TN/59/GR/MS-SZ, dated: 20.07.2012 pertaining to the years from 2009-2010 to 2013- 2014 over an extent of 236.85.0Ha.
- Scheme of Mining including Progressive Mine Closure Plan for 1.05 LTPA graphite ore production approved vide letter No. TN/SGN/GR/MS-1123-MDS dated 03.09.2014, by Regional Controller of Mines, Indian Bureau of Mines, Chennai
 - Scheme of mining period: 2014-15 to 2018-19,
- The Review of Mining Plan for period of 2019-20 to 2023-24 has been approved by Regional Controller of Mines, Indian Bureau of Mines, Chennai vide letter.No.TN/SGN/GR/ROMP-1544.MDS ; dated 22.03.2019.

17. Date of Board's approval :- 22.03.2019

18. Date of Ground water clearance and surface water approval. :- NOC for drawl of ground water obtained from State and surface water resources centre, Public Works Department, Chennai vide letter No OT9/G-6/22/2019/NOC/Tirunelveli/2019 dated 28.03.2019.

19. Existing Ground water level in (M) :- Core Zone –30 to 35 m in many places based on type of soil, Phreatic water storage occurrences etc.,

20. Date of mine closure approval :- The Review of Mining Plan for period of 2019-20 to 2023-24 has been approved by Regional Controller of Mines, Indian Bureau of Mines, Chennai vide letter.No.TN/SGN/GR/ROMP-1544.MDS ; dated 22.03.2019.

22. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details. :- Uppar river - 1.28km, West. Few ponds spread over the Mine lease and the nearby areas.

Details of mine lease:-

<p>1. Date of entering into Original lease deed. G.O.Ms.No.1328 dated 24.12.1986 Lease deed signed 16.05.1987 for 20 years.</p> <p>2. Date of expiry of original lease deed:15.05.2007</p>	<p>1. Date of 1st lease renewal: Lease renewal application filed on 24.4.2006., As per Section 8A (5) of Mines & Mineral (Development & Regulations) Amendment Act , 2015 and Rule 3(1) of Mineral (Mining by Government Company) Rules 2015. The lease period deemed to have been extended up to 15.05.2037.</p> <p>2. Whether renewal or deemed renewal Deemed renewal</p> <p>3. Date of expiry of 1stlease renewal/deemed Renewal 15.05.2037</p>
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II Technical Details**23. Geological Reserve:**

- (i) Total geological reserve - 3.853 Million Tonnes
(ii) Mineable reserve - 3.211 Million Tonnes
(iii) Extractable reserve - 3.211 Million Tonnes
(iv) Percent (%) of extraction-83.34% (Total Geological Vs Mineable Reserves)
(v) Range of ground water level-
Core Zone -30-35 meters,

(vi) Total estimated water requirement - 40 KLD

(vii) Details of intersecting ground water level:

Present depth of mining 3 to 25 m. No water seepage observed now. Maximum proposed mine depth - 30 m. Due to less transmissivity, hydraulic discontinuity, occurrence of saturated water table mostly beyond 50m, no intersection of ground water table is envisaged.

24. Details of Deposits:

- (i) Depth of over body - 30m BGL considered now
(ii) Grade of ore - Flaky variety with 14% average Fixed Carbon
(iii) Stripping ratio - 1:3.32 (Ore to Waste T: m³)

25. Method of mining: - Conventional open cast Fully Mechanized Mining Technique.

26. Life of mine:

32.5 years (Considering the present proved mineable reserves, up to 30m depth. Further if the project resource is converted into proved category, the life of the mine is increase accordingly)

27. 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:

Base line monitoring were carried out during Post Monsoon season (October to December) of 2015. validation monitoring was carried out for one-month period as per ToR. All monitored values were found well within the prescribed limits.

28. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion-

Not Applicable

29. Details of O.B

- (i) External OB dumps : 6
(ii) No of OB dumps : 4
(iii) Area of each dump : 12.33 Ha. External dump area outside the Lease area
(iv) Height of each dump :- 7 to 18 m
(v) Quantity (in MCm) of OB in each dump:--
(vi) Year of back filling :--
(vii) No. of OB dumps reclaimed :--
(viii) If garland drains and settlement facility for runoff created:-- yes
(ix) Whether runoff water being utilized:--Yes

Existing External dump details are given below:

S.No	Name of the Waste dump	Length (M)	Width (M)	Height (M)	Area (m ²)	Volume (m ²)	Area in (Ha)	Quantity (MT)

1	Mining Waste Dump(Pit1)SE direction	51.94	30.76	7.60	1598	12142	0.16	21856
2	Mining Waste Dump(Pit1)SE direction	282.89	62.58	18.04	17703	319367	1.77	574260
3	Tailing Waste (Pit 1) SE direction	322.0	93.0	18.0	29946	539028	3.0	1078056
4	Top Soil dump (Magazine back side)	157.05	56.87	6.22	8931	55554	0.89	111107
5	Mining Waste (Pit 2) SW Direction	687.49	84.69	16.97	58224	988053	5.82	178496
6	Top Soil dump(Pit 2) NW direction	114.69	60.44	12.44	6932	86232	0.69	172465
Total					12334	2000376	12.33	2136240

30. Details of Internal Dumps:

- (i) Number of internal dumps : 2
(ii) Area of each dump : Northern side of the Pit-II extension (41.72Ha.)
(iii) Height of each dump : 20m with two benches each of 10m.
(iv) Quantity of wastes filled (MCm) : 3, 71, 240 Tonnes
No backfilling envisaged now.

31. Utilization potential of wastes -:

- (i) Within the mines :
(ii) Outside mines : 82.16 Ha.
(iii) Efforts made by proponent

The waste to be generated during entire mining is 11.32 Mil.Cu.m. Out of which 0.781Mil.Cu.m will be generated during the ensuing 5 year plan period. The waste encountered during scheme period is the overburden soil / inter burden and side burden. The top soil covering is being dozed and kept at a specific location of the lease area for growing vegetation, afforestation etc.

32. Details of final Mine Voids

- (i) Area : 67.88 Ha
(ii) Depth : 30m Below Ground Level

33. Details of mine:

- (i) Total mine area :67.88 Ha
(ii) Backfilled mine area of.....shall be reclaimed with plantation

Mining operation is presently planned up to a depth of 30 m from ground level. But as drilling operations have indicated the persistence of graphite ore beyond 30 m depth, extending down to 100 m, it is proposed not to close the mine & backfill at the expiry of present lease period. Hence, the life of the mine may extend further and as such backfilling is not planned now.

(iii) A void of **67.88 Ha** at a depth of **30m** which is proposed to be converted into a water body

(iv) Green belt created in ha.-5.98.50 Ha.

34. Details of Land usage
LAND USE DETAILS

S. No	Land use	Within ML Area(Ha)	Outside ML Area(Ha)	Total
1	Mining	34.03.5	--	34.03.5
2	Interburden/Side burden Dump	15.19.0	--	15.19.0
3	Storage for Topsoil	1.41.0	--	1.41.0
4	Infrastructure	0.72.0	--	0.72.0
5	Mineral stockyard	4.62.5	--	4.62.5
6	Mine Roads	2.61.5	--	2.61.5
7	Area underplantation (Green Belt)	6.51.0	--	6.51.0
8	Unutilized area	171.74.5	--	171.74.5

(i) Pre-mining : Government Poromboke & TAMIN's Patta lands

(ii) Post- Mining :

S. No	Land used during Mining	Land use (Ha)				Total
		Plantation	Water body	Public Use	Undistributed	
1	Mining	--	34.03.5	--	--	34.03.5
2	Inter burden/Side burden Dump	15.19.0	--	--	--	15.19.0
3	Storage for Topsoil	1.41.0	--	--	--	1.41.0
4	Infrastructure	--	--	0.72.0	--	0.72.0
5	Mineral stockyard	--	--	--	4.62.5	4.62.5
6	Mine Roads			2.61.5		2.61.5
7	Area under plantation (Green Belt)	6.51.0				6.51.0
8	Unutilized area				171.74.5	171.74.5
Total						236.85.0

Future mining operations till the end of the mine lease period will also be confined to 30 m depth only. But the graphite ore is available beyond 30 m depth, extending down to 100 m. Thus, it is proposed not to close the mine & backfill at the expiry of 30 years. Hence, the life of the mine may extend further and as such, mine closure is not planned now.

	(iii) Core area	:236.85 Ha
35.	<u>Details of Forest issues:</u>	Nil
36.	Costs of the project:	
	(i) Total capital Cost:	- Rs. 3000 lakhs (Beneficiation plant :2600 lakhs and Mine: 400 lakhs=3000 lakhs).
	(ii) Cost of Production:	-Dispatched directly to the beneficiation plant.
	(iii) Sale Price:	-Not considered
	(iv) CSR cost:	-Rs. 2.0 Lakhs per Annum
	(v) R&R Cost:	-Nil (Government Poromboke & Patta lands owned by TAMIN)
	(vi) No of PAFs:	- Nil
	(vii) Cost for implementing EMP:	
	Towards EMP measures, the capital cost will be Rs. 38 Lakhs and annual recurring cost - Rs. 8.5Lakhs. In case of any further necessity for funds for implementation of control measures arises, these will be met from operation cost without any constraint as and when required.	
37.	<u>Details of villages/habitation in mine lease area-</u>	Nil
38.	<u>Details of transportation of mineral</u>	
	(i) In pit:	By Tippers
	(ii) Surface to siding:	Not Applicable
	(iii) Siding to loading:	Not Applicable
	(iv) Quantity being transported by Road/Rail/conveyer /ropeway	- 100% by road
	(v) Proposed change in transportation means if any, give details	- Not Applicable
39.	<u>Details of reclamation:</u>	
	a. Afforestation shall be done covering an area of: 6.51.0 Ha at the end of mining. This will include:	
	(i) Reclaimed external OB dump (in ha)	: Nil
	(ii) Internal dump (in ha)	: 1.94.00 Ha
	(iii) Green belt (in ha)	: 6.51.0 Ha.
	(iv) Density of tree plantation (in no of plants)	: 1600 No per hectare
	(v) Void (in ha) at a depth of (in m) which is proposed to be converted into water Body:	:67.88 Ha/ 30 m
	(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.).	
	: As per current SOM	
	Mining	34.03.5 Ha
	Infrastructure	0.72.0 Ha
	Mine road	2.61.5 Ha
	(vii) Agriculture and horticulture:	Nil
	(viii) Fisheries:	Nil
	Presently 5.98.50 Ha is covered under green belt within the mine lease area and ultimately during the conceptual period an area of 6.51 Ha will be covered under green belt. External dumps (Existing and Proposed) along with re-handled top soil, Mineral	

stockyard, and possible un-utilised areas will be covered by afforestation/green belt. Besides, vast stretch of land outside the lease is also covered with plantation. Entire mined out area of 34.03.5 Ha will be left as water body now due to persistence of graphite beyond the present considered 30 m depth.

III. LEGAL ISSUES - Not applicable

40. Any court case pending. If so: (i). Environment (Protection) Act: The TNPCB has initiated to take credible action for violation of environmental law vide letter No T2/TNPCB/LAW /LAII /F.017158/2019 dated 16.07.2019. Other than this there is no court case pending for violation of the environmental laws.

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

Year	EC sanctioned capacity (MTPA)	Actual production	Excess production beyond the EC (MTPA) sanctioned capacity
This proposal is now applied for getting Environmental Clearance and year wise production since year 1994 is given below			

Year wise production details since year 1994 for graphite ore are shown below in tonnes

YEAR	PRODUCTION (IN TONNES)
Prior 1994 (1987 - 88)	3740.50
1994 – 1995	21329.008
1995 – 1996	15617.945
1996 – 1997	4658.985
1997 – 1998	39390.530
1998 – 1999	32655.850
1999 - 2000	17867.00
2000 - 2001	32464.00
2001 - 2002	50.320.00
2002 - 2003	41320.00
2003 - 2004	42627.00
2004 - 2005	42840.00
2005 - 2006	57200.00
2006 - 2007	58961.00
2007 - 2008	49308.00
2008 - 2009	59227.00
2009 – 2010	50764.00
2010 - 2011	49329.00
2011 – 2012	57205.00
2012 – 2013	67959.00
2013 – 2014	87995.00
2014 – 2015	71706.00
2015 – 2016	90275.00
2016 – 2017	92901.00
2017 – 2018	207

IV. PUBLIC HEARING ISSUES:

42. Date and Place of public hearing:

	<p>The Public hearing was conducted on 29.07.2016 in the Collectorate complex, Sivaganga district.</p> <p>43. The designation of officer presided over the PH The District Collector -Sivaganga, District Revenue Officer, Sivaganga district and the District Environmental Engineer - Tamil Nadu Pollution Control Board</p> <p>44. Number of representation received in writing from the district and outside of district. No representation received. Totally about 64 numbers of people were present for public hearing, of which about 11 persons expressed their views.</p> <p>V. Consultant;</p> <p>45. Name of the EIA consultant who prepared the EIA/EMP report. EIA/EMP report prepared by Creative Engineers & Consultant, Chennai – 600 059. In 2017, TAMIN Tender awarded to Hubert Enviro Care Systems (P)Ltd. As per obtained violation ToR one month base line validation. Studies conducted and EIA report prepared by M/s Hubert Enviro Care Systems (P) Ltd.</p> <p>46. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009. Yes.</p> <p>47. Name of specialists/consultants involved in making EIA report and in collecting data. M/s Hubert Enviro Care Systems (P)Ltd. Chennai</p> <p>VI. IMG of Ministry of coal (only for Coal Sector) Not Applicable</p> <p>VII. Other Information</p> <p>48. One page summary for TOR and EC separately as applicable. Executive Summary for EC is attached as Enclosure - 2</p> <p>49. Brief Background of the Project as per table:</p> <table border="1" data-bbox="432 1364 1458 1989"> <tr> <td data-bbox="432 1364 523 1626">1.</td> <td data-bbox="523 1364 831 1626">Details of PP and Group companies (a)Financial Position (b)Group companies (c)Legal issues (d) Past and current litigations</td> <td data-bbox="831 1364 1458 1626">It's a Government of Tamil Nadu Undertaking</td> </tr> <tr> <td data-bbox="432 1626 523 1989">2.</td> <td data-bbox="523 1626 831 1989">Social, economic and environmental aspects of the project in brief.</td> <td data-bbox="831 1626 1458 1989">This working mine for the last 3 decades is located in a remote area. There are no other industries other than this in the entire region. Environmental Benefits: ➤ All environmental mitigative measures are implemented by the project authorities. ➤ Green Belt is being developed in about 5.98.5Ha. Social Benefits:</td> </tr> </table>	1.	Details of PP and Group companies (a)Financial Position (b)Group companies (c)Legal issues (d) Past and current litigations	It's a Government of Tamil Nadu Undertaking	2.	Social, economic and environmental aspects of the project in brief.	This working mine for the last 3 decades is located in a remote area. There are no other industries other than this in the entire region. Environmental Benefits: ➤ All environmental mitigative measures are implemented by the project authorities. ➤ Green Belt is being developed in about 5.98.5Ha. Social Benefits:
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				<ul style="list-style-type: none"> ➤ Rs 2.0 lakhs per annum is earmarked for future CSR activities. ➤ 2% (60 Lakhs) of the project cost is allocated to community under CER Plan. ➤ Employment Benefits: Graphite mining operations provide direct employment to about 70 persons and the graphite beneficiation plant about 98 persons. Indirectly about 200 persons will benefit by indirect employment <p>Economical Benefits:</p> <ul style="list-style-type: none"> ➤ The Central and State Governments will also gain financially through receipts of income tax, sales tax, royalties, cesses, NMET etc. ➤ A part of above revenues will also accrue to the local panchayats, etc. In view of above aspects, the project assumes great important. ➤ The Graphite Mine is a captive mine, linked to the Graphite Beneficiation Plant of the project proponent. The Mine has to make uninterrupted supply of about 200 tonnes of graphite ore daily for production of Graphite concentration to be supplied to various industrial users for manufacture of crucibles, electrodes, pencils, refractory bricks, paints, etc.,. 	
24.4.2.3	Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:				
<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"> 1. Damage assessment as quantified by the PP is hypothetical, some logical, scientific reasoning should have been given while calculating/quantifying the damage for all the environmental attributes. Revised remediation plan as per the damage assessed, revised natural and community resource augmentation plan is to be submitted. 2. Damage assessment is to be calculated by considering the excavation of mineral and Over burden. 3. 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. 4. The committee advised the EIA consultant to prepare presentation before the committee as per the compliance of specific ToR and standard ToR conditions issued by the Ministry. 					

	<p>5. Impact on surface water due to inward flow of water from catchment area without garland drain/check dam is to be assessed.</p> <p>6. Justification for the Capital Cost.</p> <p>7. Based on the revised Capital cost, revised CER budget is to be submitted as per the Ministry OM dated 01.05.2018</p> <p>8. NOC from state ground water authority that project does not involve intersection of ground water table.</p> <p>9. A detail of Over Burden along with proper reclamation plan is to be submitted.</p> <p>10. 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>24.4.2.4</p>	<p>Observations and recommendations in the 22nd EAC meeting held on 21st -22nd May, 2019:</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> <ul style="list-style-type: none"> i. Damage assessment needs to be worked out from 93/94 instead of 2000/2001 as submitted by the PP. Though the profit accrued from 2000/2001 as per Hon.ble S.C order dated 02.08.2017 to be submitted. ii. The ROM is transported to beneficiation plant which is located at a distance approx. 550 m from the mining lease boundary. PP is advised to rework the cumulative impacts including the impact on water regime and the rejects handling and disposal to tailing ponds taking into consideration of the beneficiation plant. EAC noted that the beneficiation plant is operated with a throughput capacity of 200 TPD and the recovery is reported to be around 15 % of the input without prior environment clearance. iii. Status of credible action initiated under E(P) Act 1986 for the violation. iv. Reference land use/land cover study. v. Revise the calculation of damage assessment by considering the OB dumped outside the mining lease area. vi. Mining plan approval for dumping of OB outside the mine lease area. vii. EMP cost (Capital and recurring) with all the activities. viii. Revise the CER cost as per the Ministry OM dated 01.05.2018. ix. Submit the revised hierarchical system regarding reporting violation of Environmental norms. x. Submit the revised green belt development plan with cost location and area
<p>24.4.2.5</p>	<p>Observations and recommendations of the EAC in the present meeting (24th) held during 22nd -24th July 2019:</p> <p>PP along with the consultant made the detailed presentation on the information sought in 22nd EAC meeting. 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"> 1. Details of land use/land cover between 1994 to 2017 supported by the satellite imageries with land classification details. 2. Commitment from the PP to setup air quality monitoring stations in the three villages for augmenting the relevant remedial measures. 3. All the revenue expenditure related to periodic health camp for the community shall be revised to relevant capital expenditure in CER. 4. The remediation and the community resource augmentation plan shall be revised from Rs. 65 lakhs to Rs. 100.30 lakhs. 5. In case of ground water extraction as per the recent notification of CGWA, the PP has to give undertaking that they will comply with Notification. 6. Disposal of tillage shall be governed as per the CTO. 7. Production details of the year 1993-94 is to be submitted. 8. Undertaking that beneficiation plant is not under violation is to be submitted. 9. Economic benefit due to mining during violation period certified by auditor.
<p>24.4.3</p>	<p>Mining of Quartz and Feldspar Minerals over an extent of 56.68 Ha, located at Sy. No.415, Village Bandivankacharla, Taluk Kulkcherla, District Rangareddy, Telangana by M/s Sri Ravi Seelamsetty - Further consideration for Terms of Reference</p> <p>[IA/TG/MIN/73867/2018 dated 31.03.2018][F. No. 23-15/2019-IA.III (V)]</p>
<p>24.4.3.1</p>	<p>M/s Sri Ravi Seelamsetty has made online application vide proposal no. IA/TG/MIN/73867/2018 dated 31.03.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘B’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as tenure of SEIAA Telangana was completed at the time of earlier appraisal of the project.</p>
<p>24.4.3.2</p>	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project description: <p>The Proposal of Sri S. Ravi is for Mining of –Quartz and Feldspar from -Sri S. Ravi Mine- for production of 3,00,000 Tonnes /Annum (TPA) Quartz and Feldspar With Total Excavation of 3,50,432 TPA (Quartz and Feldspar: 3,00,000 TPA + Waste : 50432 TPA) from mining lease area of 56.68 Ha located at Bandivankacherla Village, KulkacherlaMandal, Ranga Reddy District, Telangana.</p> 2. Project Background <p>The proposal of Sri S. Ravi is for production of 3,00,000 Tonnes /Annum (TPA) Quartz and Feldspar With Total Excavation of 3,50,432 TPA (Quartz and Feldspar: 3,00,000 TPA + Waste : 50432 TPA) from Sri S. Ravi Mine - (ML Area 56.68 Ha, located at Survey No.415, of Bandivankacherla Village, KulkacherlaMandal, Ranga Reddy District, Telangana. The mining lease is located on Survey of India Topo-sheet no.56G/16. The area is bounded between the coordinates Latitude 17°01'50.01"N to 17° 2'45.83"Nand Longitude 77°49'19.38"E to 77°49'30.88"E.</p> 3. Category of the Project:

Project area is 56.68 Ha Category “B” as per MoEF&CC notification, S.O.3977 (E) dated 14.08.2018. The proposal is for appraisal at MoEFCC as there is no SEIAA, Telangana, the proposed project activity is covered under ‘Schedule 1(a) of EIA Notification, 2006 and is a category ‘B’ as per MoEFCC notification, S.O.3977 (E) dated 14.08.2018.

4. Violation Details &Sectorial EAC/SEAC Comments:

- The Mine was granted for Quartz and Feldspar for 20 years in favor of Kum. G.L. Nanditha on 04.06.2002.
- Lease was transferred and executed in favor of Sri S. Ravi on 31.10.2008
- Production details revealed that the mine was operating without obtaining the Environmental Clearance, till it has been stopped in October 2013.
- Sri S. Ravi submitted the necessary application to MoEF for approval of Terms of Reference.
- The proposal was considered in EAC meeting held during 25-26th February 2010. The TOR issued by MoEF vide letter no. J-11015/05/2010-IA.II (M) dated 9th March, 2010.
- Public Hearing was conducted on 04.01.2013.
- The Final EIA was submitted to the Ministry on 10.04.2013.
- The EAC Meeting was held during 25th September, 2013.

It was noted as a case of violation of E (P) A, 1986 as the mine was in operation without obtaining Environmental Clearance.

Based on the information furnished and presentation made by the PP and discussions held, the Committee decided to defer the proposal to be brought back to the committee after the following information is submitted

- (i) the details of preventive measures to be undertaken for occupational health of the workers,
- (ii) site specific conservation plan for the Scheduled-I species reported in the study area.
- (iii) Copy of Approved mining scheme for the period 2013-2018.

- Further MOEFCC has issued a letter no. J-11015/05/2010-IA.II [M] Dt. 31.12.2013. stating that (1) The matter relating to violation has been put to the Board of Directors of the Company or to the Managing Committee, for consideration of your environment related policy/plan of action and a written commitment in the form of a formal resolution is submitted to MoEF to ensure that violations of the Environment (Protection) Act will not be repeated (2) The State Government has initiated credible action on the violation against you under the Environment (Protection) act 1986 and evidence provided to MoEF of the action taken (3) You close down your mining operations with immediate effect. And also stated that while communications against (1) & (2) have been issued separately, these directions are being issued to ensure (3); and instructed Sri S. Ravi to stop the mining operations.

- Sri S. Ravi has submitted the reply to the above points in hard copy to MoEF& CC, Non- Coal Mining Committee on 17.01.2017.
- MOEF & CC vide letter no. J-11015/05/2010-IA.II [M] dated 17.07.2017 instructed Sri S. Ravi to submit online the proposal afresh as violation case. Later the proposal was submitted on 16.11.2017 under violation vide Proposal No. IA/TG/MIN/68696/2017.
- Since the proposal under violation was submitted on 16.11.2017, the proposal has been resubmitted again in compliance with MoEF& CC Office Memorandum Dated 16th March, 2018 on 31.03.2018 under violation vide Proposal No. IA/TG/MIN/73867/2018.

Present Status of the Project

- The Mine is not in operation from October 2013. Inspection report from Department of Mines and Geology stating that mining operation are stopped is issued vide letter No.3540/M/2008 dated 18.06.2015.
- As per the procedure of violation, a Case has been filed vide No.CC 54/2016 in the court of Judicial Magistrate of First class at Parigi on 15.06.2016 as per section 15 of Environment (Protection) Act.
The Credible Action has been initiated and Proof of Evidence was submitted to the Ministry by Principal Secretary to Government, Government of Telangana vide Letter dated 18.10.2016.

5. Application(Form-1&PFR)

Fresh application along with Form-1 and PFR was filed online vide proposal no. IA/TG/MIN/73867/2018 dated 31.03.2018 under violation category for Term of References (ToR) as per Ministry's Notification S.O 804 (E).

6. Details of Minerals:

Number of minerals: One

Whether mineral is major or minor: Minor

Status of same mineral before 2006 (major or minor): Major

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

Initially Mining lease for Quartz and Feldspar was granted on 04.06.2002 for 20 years (for the period from 03.12.2002 to 02.12.2022) in the name of G. L. Nanditha Subsequently, Mining lease was transferred in the name of Sri S. Ravi for Quartz and Feldspar on 31.10.2008 with validity period from 21.01.2009 to 02.012.2022 by Industries & Commerce Department, Govt of Andhra Pradesh.

8. Method of Mining & Mining Plan Details:

Method of Mining is opencast mechanised method

- The mining will be carried out by forming benches.
 - The entire Operation shall be done by forming benches of 6.0m height and width

more than height.

- The Mining Scheme was approved by Joint Director of Mines & Geology vide Lr. No. 1889/MS/RR/2013 dated 23.05.2013 for the period 2013-14 to 2017-18. The new scheme is under process.
- Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any,
 - Drilling is done with 115 mm dia holes with 3.5 m spacing and 3.0m Avg burden. The drilled holes are then blasted with Slurry Explosives & Ammonical Nitrate Fuel Oil Mixture.
 - Bench Height: 6.0m
 - Bench Width: more than bench height.
 - Ultimate pit limit: 103m (msl)
 - Ultimate pit Slope: 45°
 - There is no intersection of Ground water table
- **Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,**
 - The waste material comprises of Top soil & Schist Weathered rock waste. About 676940 Tonnes of waste is generated during the life of the mine.
 - The non-mineralized area within the mining lease will be used as temporary waste dump yard which will be rehandled for backfilling of the mined-out area at conceptual stage
- **Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, and greenbelt details.**
- Crushing and Screening Plant is proposed within the mine lease area.
 - Water requirement : 18 m³/day.
 - Proposed Greenbelt: Plan Period – 1.56 Ha; Conceptually – 3.50 Ha

Land use as per mining plan at the end of plan period and at conceptual stage.

S. No.	LAND PARTICULARS	PRESENT USE	CONCEPTUAL PERIOD AREA IN HA.
1	Area under Excavation	0.5200	21.072
2	Worked out pit	Nil	(14.572)*
3	Storage of Top Soil	Nil	0.0800
4	Overburden Dump	0.2000	6.4520
5	Mineral storage	0.1520	0.1520
6	Infrastructure (Workshop, Administrative Buildings)	0.1000	0.1000
7	Roads	0.2540	1.0000
8	Greenbelt	Nil	3.5000
9	Env. Protective measures	Nil	1.0000
10	Mineral Separation plant	0.4047	-
11	Area Cultivated	7.0172	-
12	Dump Area Plantation	Nil	3.0000
13	Others (Unutilized Area)	48.0321	20.2240
Total		56.6800	56.6800

*Not to be added to the total

9. Other Waste Generation, if any: Nil

10. Land Use (Forest/Agricultural/Waste): Govt. waste land

11. Details of past production since inception of mine authenticated by DMG
Past Production Details w.r.t DMG Letter No3540/ML/2008 dated 28.01.2019

12. Applicability of General Condition & Status of SEIAA:

General Conditions does not apply to this project. There are no wildlife sanctuaries within 10km radius from the subject mine lease area

Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any]:None within 10km radius

13. Project Cost &Employment: Project Cost : Rs.150 Lakhs, Employment : 33 persons

24.4.3.3	<p>Observations and recommendations of committee of 17th EAC meeting held on, 29-31 January, 2019:</p> <p>EAC during the appraisal observed that information presented before the EAC are not matching with the Form 1 application submitted by the PP. Hence committee deferred the proposal for want of revised Form 1.</p>
24.4.3.4	<p>Observations and recommendations of committee of 20th EAC meeting held on 28th-29th March, 2019:</p> <p>PP did not attend the meeting and requested to defer the proposal.</p>
24.4.3.4	<p>Observations and recommendations of committee in the 22nd meeting held on 21st -22nd May 2019:</p> <p>PP along with the consultant made the detailed presentation. Committee while deliberating on the DSS report of the Ministry, noted that entire mining lease area falls in the forest land, whereas PP claimed that no the forest land (FL) is involved. EAC, after detailed deliberation, deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> 1. State Forest department may ascertain whether mining lease area is falling in Forest. PP is advised to approach the State forest department to obtain above clarification. 2. If the FL is involved, PP has to submit the documentary proof regarding submission of forest land application.
24.4.3.5	<p>Observations and recommendations during the present EAC meeting (24th) held during 22nd -24th July 2019:</p> <p>PP along with the consultant made the presentation on the information sought in 22nd EAC meeting and interalia informed the following to the committee:</p> <p>The Mining Lease to the project was granted for Quartz and Feldspar Minerals over an extent of 56.68 Ha in Sy. No.415 of Bandivankacharla Village, Kulkcherla Taluk, Rangareddy District, Telangana State (formerly Andhra Pradesh) in favour of Kum. G.L. Nanditha for a period of 20 years and the mining lease will be valid up to 01.12.2022.</p> <p>The Director of Mines & Geology has recommended for transfer of Mining Lease by Kum. G.L. Nanditha for Quartz & Feldspar Mines and transferred the lease in favour of Sri Seelamsetty Ravi Chandra for Quartz and Feldspar Minerals over an extent of 56.68 Ha in Sy. No.415 of Bandivankacharla Village, Kulkcherla Taluk, Rangareddy District, Telangana State (formerly Andhra Pradesh) vide G.O.Ms. No.292 dated 31.10.2008 which is valid upto 02.12.2022.</p> <p>The proposal was considered in the sectoral EAC meeting held during 25-26th February 2010. The TOR issued by MoEF vide letter no. J-11015/05/2010-IA.II (M) dated 9th March, 2010. Proposal for EC was considered by the sectoral EAC in the meeting held on 25th September, 2013. It was noted as a case of violation of E (P) A, 1986 as the mine was in operation without obtaining Environmental Clearance.</p>

The Mine is not in operation from October 2013. Inspection report from Department of Mines and Geology stating that mining operation are stopped is issued vide letter No.3540/M/2008 dated 18.06.2015.

The Committee noted that the mine was operating without obtaining Environmental Clearance and Project Proponent has violated the provisions of Environmental Protection Act 1986.

The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- 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.
- 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.
- 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.
- iv.** Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v.** The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter 13 in the EIA report by the accredited consultants.
- vi.** 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.
- vii.** 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.
- viii.** One season fresh base line data is to be collected for preparation of EIA/EMP reports.
- ix.** Public Hearing in case of violation cases is mandatory and shall be conducted as the EIA Notification 2006 and as amended thereof.

	<ul style="list-style-type: none"> x. 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. xi. 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. xii. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines. xiii. 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 Report. xiv. Details of benefit accrued during the violation period along with capital cost of the project is to be submitted. xv. Mine plan approved by Indian Bureau of Mines to be submitted. xvi. DGMS permission is to be submitted for blasting at project site, if any. xvii. District Survey Report is to be submitted for minor mineral as per the EIA Notification 2006 as amended thereof. 						
24.4.4	<p>Expansion of Hospital Complex “Pushpawati Singhanian Hospital & Research Institute” at Press Enclave Marg, Sheikh Sarai, Phase-II, New Delhi by M/s Pushpawati Singhanian Hospital & Research Institute - Further consideration for Environmental Clearance</p> <p>[IA/DL/MIS/85531/2018 dated 20.12.2018] [F. No. 23-134/2018-IA.III (V)]</p>						
24.4.4.1	<p>M/s Pushpawati Singhanian Hospital & 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>						
24.4.4.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Proposal Expansion of Hospital Complex “Pushpawati Singhanian Hospital & Research Institute”</p> <p>2. Location Plot no.-02, Press Enclave Marg, Sheikh Sarai, Phase-II, New Delhi, Delhi-110017</p> <p>3. Project Brief</p> <p>Nature of Proposal :- Expansion Project (Violation)</p> <p>Total area :- Total plot area - 8,000m²</p> <p>Total Built-up area – 24,982.13m²</p> <p>Land use :- The break-up of land use is given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Land Use</th> <th style="width: 20%;">Area (m²)</th> <th style="width: 40%;">Percentage (% of plot area)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Land Use	Area (m ²)	Percentage (% of plot area)			
Land Use	Area (m ²)	Percentage (% of plot area)					

Ground Coverage	2971.80	37.10
Green Area	1227.46	15.34
Road and open area	3800.74	47.51
Total Plot area	8000.00	100.00

Project Components
Connectivity to the site

S.No.	Accessibility	Description	Distance & Direction
1.	Highway/ Road	Approach road NH-8 AH-1	Adjacent to site 6.11 Km SSE 8.92 Km, East
2.	Railway Station	Hazrat Nizamuddin	6.85 Km NE
3.	Airport	Indira Gandhi International Airport	11.81 km, West

4. Cost of the project :- Rs. 106.21 Crores

5. Whether the project is in Critically Polluted area :- No.

6. If the project is for EC under EIA Notification, 2006

a) For the first-time appraisal by EAC

(i) Date of TOR: F.No. 23-134/2018-IA-III (V) dated 26.07.2018.

(ii) Date of Public Hearing, Location NA

(iii) Major issues raised during PH and response of PP NA

b) Second appraisal

(i) Date of first /earlier appraisal NA

(ii) Details of the information sought by the EAC with the response of the PP

7. If the project is in CRZ area, NA

8. If the project involves diversion of forest land extend of the forest land status of forest clearance :- NA

9. If the project falls within 10 km of eco- sensitive area,

(i) Name of eco- sensitive area and distance from the project site.:- i) Asola Bhatti Wildlife Sanctuary is located at a distance of 3.47 Km, South of site & Okhla Bird Sanctuary is located at 7.65 Km, East of site

(ii) Status of clearance from National Board of Wildlife :- NA

10. Waste Management

- (i) Water requirement, source, status of clearance :- (i) Total water requirement after expansion will be 265 KLD in which freshwater requirement will be 135 KLD and Treated water reuse will be 130 KLD. Fresh water will be sourced from Delhi Jal Board.
- (ii) Waste water quantity, treatment capacity, detail :- (ii) Total quantity of wastewater generation shall be 145KLD (Domestic & Other: 137 KLD & Lab: 8 KLD). The 145 KLD of generated wastewater shall be treated in STP of capacity 120 KLD & 70 KLD and lab effluent will be treated in ETP of capacity 30 KLD.
- (iii) Recycling / reuse of treated water and disposal :- (iii) The treated water generation from STP will be 135 KLD out of which 135 KLD shall be reused for flushing, HVAC, Gardening& Miscellaneous purposes.
- (iv) Solid Waste Management :- (iv) Biomedical waste generated from complex shall be segregated and sent to approved recycler. At peak load, it is estimated to be 75 kg/day. 269 Kg/day of solid waste will be generated out of which 107 kg/day of organic waste shall be treated in Organic Waste Convertor. The non-biodegradable waste of 129 kg/day and 129 kg/day of plastic waste will be handed over to approved recycler
- (v) Hazardous Waste Management :- (v) Hazardous oil of 26 lit/month is being given to approved recycler as per The Hazardous & other Wastes (Management and Transboundary) Rules, 2016.

11. Details of water bodies, impact on drainage, if any :- No water exits within the site. Hence, there will be no changes in water bodies on the land. Natural contour and drainage pattern of the site will be disturbed due to construction of the project, therefore artificial contour shall be maintained. Storm water and surface runoff from the site is being channelized to 03 no of RWH pits constructed within the site.

12. Details of tree cutting :- No Trees shall be cut.

13. Energy conservation measures with estimated saving: - Energy Saving Measures:

- Adequate design to limit the losses in transmission and distribution system.
- Use of energy efficient devices like light sources such as LED lamps.
- Use of insulation on roof top to reduce air-conditioning load in Hospital Building.
- Use of capacitors at load centres to improve voltage and power factor to reduce distributional losses and to avoid penalty by state electricity authority.
- All high efficiency motors are being used in the complex.
- Air tunnels in the design to provide proper cross- ventilation for reducing power consumption.
- 1% solar power provision of connected load shall be provided.
- Solar lights will be installed for the streets.

14. Green belt development (20 % of construction projects and 33 % for others) :- The green belt for the proposed project is planned to provide a clean, healthy and beautiful green environment. 1227.46 m² (15.34 % of the plot area) of organized green area will be

	<p>developed within the project.</p> <p>15. Parking requirement with provision made :- Parking Required:- 331 ECS, Parking Provided: - 342 ECS</p>
24.4.4.3	<p>Observations and recommendations of committee in the 22nd meeting held on 21st-22nd May 2019:</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"> 1. EIA/EMP presentation shall be made in the presence of EIA Coordinator and functional area experts should be available in the meeting. 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. 3. EIA report is to be submitted in generic structure (Appendix III) of EIA notification with additional chapter 13 on damage assessment and remediation. 4. Details of non-biodegradable & hazardous waste along with their mitigation measures are to be submitted. 5. Approved conservation plan of Schedule I species is to be submitted. 6. Detailed presentation to be made before the committee along with ToR compliance. <p>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.</p>
24.4.4.5	<p>Observations and recommendations of the present EAC meeting held during 22nd- 24th July 2019:</p> <p>PP along with the consultant (Perfact Enviro Solutions Pvt Ltd) made the detailed presentation and inter alia informed the following to the EAC:</p> <p>The Proposed project is an Expansion of Hospital Complex “Pushpawati Singhania Hospital & Research Institute” is situated at Press Enclave Marg, Sheikh Sarai, Phase-II, New Delhi being developed by M/s Pushpawati Singhania Hospital & Research Institute.</p> <ul style="list-style-type: none"> • The land has been allotted by DDA on perpetual lease to Lakshmipat Singhania Medical Foundation for hospital purpose. The land was then transferred to Pushpawati Singhania 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

	<p>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.</p> <p>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.</p> <p>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.</p> <p>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:</p> <ol style="list-style-type: none"> 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. 9. The air quality data is more than prescribed standards and therefore proper mitigation measures shall be taken and submitted. 10. Details of organic waste utilization. 11. STP and ETP flow chart is to be submitted. 12. Resubmission of energy efficient measures during construction and operation phases. 13. Details of benefit accrued during violation period certified by the competent authority is to be submitted.
24.4.5	<p>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</p> <p>[IA/DL/MIS/91171/2017 dated 11.01.2019] [F. No. 23-96/2018-IA-III(V)]</p>
24.4.5.1	<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>
24.4.5.2	<p>Details of the project as per the submission of project proponent:</p>

1. Proposal: Enhanced Built-up Area of “The Leela Hotel” at Diplomatic Enclave, Africa Avenue, Chanakyapuri, New Delhi-110023 by M/s Hotel Leelaventure Ltd.

2. Location: Chanakyapuri, New Delhi

3. Project brief:

- **Nature of proposal (new/ expansion):** Expansion
- **Total area:** Total Area-818,070.73 sq.m. (Existing+ Expansion)
- **Land use:** Project is for enhanced built-up area of “The Leela Hotel”, the total Plot Area is 12140 m² & Built up Area is 62,985.83 m²
- **Project components:** Built up Area: 62,985.83 m²

STP Capacity: STP of 400KLD and ETP 100 KLD
 Parking: 818 ECS

➤ **Connectivity to the site etc.:**

S.No.	Particulars	Description	Distance and Direction
1	Nearest Highway/Roads	Africa Avenue Road Brig. Hoshiyar Singh Marg Ring Road Shanti Path NH-8	Adjacent towards East 70 m towards East 1.15 km towards South West 0.63 km towards West 2.55 km towards North West
2	Nearest Railway Station	Safdarjung Railway Station Hazrat Nizamuddin Railway Station	334 m towards North West 6.34 km towards East
3	Nearest Airport	Indira Gandhi International Airport Safdarjung Airport	7.5 km towards West 1.57 km towards East

4. Cost of the Project: 773.37 Crore for Enhanced Built-up area

5. Whether the project is in Critically Polluted area: No

6. If the Project is for EC under EIA Notification, 2006

a) For the first time appraisal by EAC

- i.) **Date of ToR:** ToR issued vide F.N.23-96/2018-IA-III (V) dated 27/12/2018
- ii.) **Date of Public Hearing, Location:** Not Applicable
- iii.) **Major issues raised during PH and responses of PP:** Not Applicable

b) Second appraisal

- i) **Date of first/earlier appraisal:** 27th November, 2018 (15th EAC meeting) for TOR
- ii) **Details of the information sought by EAC with the response of PP:** NA
- iii) **Date of Second appraisal:** 26th February, 2019 (19th EAC Meeting)
- iv) **Details of the information sought by EAC with the response of PP:**

Additional details sought (ADS) by member Secretary uploaded on MOEF&CC website on 06/07/2019.

7. If the Project is in CRZ area,

- i.) **Components in CRZ area:** Not Applicable
- ii.) **Recommendation of Coastal Zone Management Authority:** Not Applicable
- iii.) **Layout on CRZ map of 1:4000 scale prepared by an authorized agency:** Not Applicable

8. If the project involves diversion of forest land,

- i.) **Extend of the forest land:**Not Applicable as no forest land is involved.
- ii.) **Status of forest clearance:**Not Applicable as no forest land is involved.

9. If the project falls within 10 km of eco-sensitive area

- i) **Name of the eco-sensitive area and distance from the project site:** Not Applicable
- ii) **Status of clearance from NBWL:**Not Applicable

10. Waste Management

- i.) **Water Requirement:** 598 KLD (Total),361 KLD (Fresh water) after Expansion

Source-NDMC Water Supply

Status of Clearance-Permission Obtained from NDMC water supply

- ii.) **Wastewater quantity-** 302 KLD,
Treatment Capacity- STP of 400 KLD and ETP 100 KLD

11. Other details

- i.) **Noise Modeling with noise control measures for airports:** Acoustic enclosures is provided in Generators.

- ii.) **Details of water bodies, impact on drainage if any:**

River Yamuna	8.13 km towards East
Najafgarh Drain	12.80 km towards North West

- iii.) **Details of tree cutting:** No Tree cutting is required.
- iv.) **Energy conservation measures with estimated saving:** Solar Panels, Solar water Heaters, Solar street lighting and LEDs is provided.
- v.) **Green belt Development:** Total green area provided is 4,373.61 m²
- vi.) **Parking requirement with provision made:** 818 ECS will be provided in stilt and s parking

12. If the project involves foreshore facilities

- i.) **Shorelines study:** Not Applicable
- ii.) **Dredging details, disposal of dredge material:** Not Applicable
- iii.) **Reclamation:** Not Applicable
- iv.) **Cargo handling with dust control measures:** Not Applicable
- v.) **Oil spill contingent management plan:** Not Applicable

	<p>13. If the project involves Marine Disposal</p> <ul style="list-style-type: none"> i.) NOC from PCB in case of Marine disposal: Not Applicable ii.) Details of modeling study-details of outfall diffusers, numbers of dilution expected distance at which the outlet will reach ambient parameters: Not Applicable iii.) Location on intake/outfall, Quantity : Not Applicable iv.) Details of monitoring at outfall : Not Applicable v.) Any other relevant information : Not Applicable <p>14. Other Information</p> <ul style="list-style-type: none"> i.) Cost of the project:Rs. 773.37 Crores for Enhanced built-up area. ii.) Employment potential. The project is providing employment opportunity to local skilled, semi-skilled & unskilled people during both construction & operation phase. iii.) Benefits of the project: Physical, Economic, Social and Environmental benefits.
24.4.5.3	<p>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019</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"> 1. Separate remediation plan as per the damage assessment to be prepared without including the cost of Environment Management Plan. 2. Noncompliance of earlier EC conditions is to be compiled and certified by the concerned Regional office of MoEF&CC. 3. Capital cost details is to be submitted for the existing and expansion proposal with proper justification. 4. Revised CER as per the Ministry's OM dated 01.05.2018 be submitted as per the revised capital cost for expansion proposal. 5. Source of authorized water supplier shall be submitted. 6. Copies of MOU between the PP and authorized recycler shall be submitted for disposing of Non-Biodegradable and recyclable and hazardous waste. 7. Table showing the compliance to ECBC-2017 norms shall be submitted. 8. Solar power @ 1% of demand is required and commitment for the same shall be submitted. 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. 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 be prepared accordingly.
24.4.5.4	<p>Observations and recommendations of present EAC meeting held during 22nd- 24th July 2019:</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&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> <ol style="list-style-type: none"> 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. ii. Year wise and activity wise CER is to be prepared with emphasis on capital expenditure. iii. Economic benefits derived for the operational year (9 years) is to be submitted. iv. Action plan for noncompliance of EC conditions. v. Status of credible action initiation.
<p>24.4.6</p>	<p>M/s Jesons Industries Limited (Unit III) - Capacity expansion project for manufacturing of (Construction Emulsions, Synthetic Acrylic Polymer Emulsions, Industrial Synthetic Adhesives, Glue & Adhesives) at Survey No. 377/1/7, Zari Cause way Road, Behind stone Quarry , Village Kachigam, Daman, (Daman and Diu U .T.) by M/s Mr. Chandrakant M Patil - Re-consideration for Terms of Reference</p> <p>[IA/DD/IND2/68275/2017 dated 09.09.2017] [F. No. 23-113/2018-IA.III (V)]</p>
<p>24.4.6.1</p>	<p>M/s Jesons Industries Limited (Unit III) has made online application vide proposal no. IA/DD/IND2/68275/2017 dated 09.09.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under item 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
<p>24.4.6.2</p>	<p>Proposal of M/s Jesons Industries Limited (Unit III) was considered in the 20th EAC meeting held during 28th-29th March, 2019. EAC recommended for issuing Standard Term of Reference along with the specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).</p> <p>Recommendation of EAC were than processed on file for approval of the Ministry. During processing following queries were raised, accordingly proposal was listed in the agenda for reconsideration:</p> <ul style="list-style-type: none"> • Whether production was started or construction work started on site without prior EC? The details of violation with the chronology since inception is to be submitted • Details of Chemical products taken up since inception without EC. • The copy of CTO issued on 6th August, 1996 by Pollution Control Committee, Daman & Diu for manufacturing Polymers of vinyl acetate (600 MTPA), Vinyl co-polymers (600 MTPA), Acrylic Polymers (960 MTPA) and Poly vinyl alcohol solution (100 MTPA). • The copy of terms of reference (ToR) issued from UTEIAA, Daman & Diu on dated 29th August, 2018 and details of public hearing conducted on 28th December, 2018. The reason for issuing ToR from UTEIAA, Daman & Diu is to be submitted.

- Whether unit is located in the notified Industrial area? If yes, supporting documents are required to be submitted.
- Interstate distance from the project boundary with supporting documents issued by the competent authority is to be submitted

PP along with the consultant made the detailed presentation on the queries and informed the following:

The unit started the enhanced production from march 2016, without obtaining prior Environmental clearance.

The unit obtained with consent to operate vide Consent no. PCC/DMN/5-3629/96-97/1278 dated 06.08.1996 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing Polymers of vinyl acetate (600 MTPA), Vinyl co-polymers (600 MTPA), Acrylic Polymers (960 MTPA) and Poly vinyl alcohol solution (100 MTPA). The list of products and the capacity is mentioned in the following table. It may be noted that the products mentioned did not attract environmental clearance vide SO 60, 1994 EIA notification:

S.No	Name of Product	Unit	CTO Dated 06.08.1996
1	Polymers of vinyl acetate	TPA	600
2	Vinyl Co-polymers	TPA	600
3	Acrylic polymers	TPA	960
4	Poly Vinyl Alcohol solution	TPA	100
	Total		2260

Subsequently the unit sought expansion for the following products by obtaining prior environmental clearance:

S. No	Name of Product	Unit	Existing	After Expansion
1	Polymers of vinyl acetate	TPA	600	600
2	Vinyl Co-polymers	TPA	600	600
3	Acrylic polymers	TPA	960	22700
4	Poly Vinyl Alcohol solution	TPA	100	100
	Total		2260	24000

The unit however completed commissioning and expansion of capacity from March 2016. The list of products and capacity manufactured without obtaining prior EC are presented in the following table:

S. No	Name of Product	Unit	Permitted	Actual Production	Excess Production
1	Polymers of vinyl acetate	TPA	600	---	---
2	Vinyl Co-polymers	TPA	600	---	---
3	Acrylic polymers	TPA	960	14165	13205
	Total		2160	14165	13205

Out of four proposed products, three products; Polymers of Vinyl Acetate, Vinyl Co-Polymers and Acrylic Polymers are manufactured by synthetic route. Poly Vinyl Alcohol Solution is physical mixing of Poly vinyl alcohol power with water to form Polyvinyl alcohol solution.

	<p>Submitted Form I and prefeasibility report to Union Territory Environment Impact Assessment Authority (UTEIAA) on 04.06.2018 for expansion of manufacturing capacity from 188.33 MTPM to 2000 MTPM.</p> <p>The unit obtained Terms of Reference (ToR) vide letter no. UTEIAA-DD-2018-06-18 dated 29.08.2018 from UTEIAA. Public hearing was conducted by PCC of Daman and Diu on 28.12.2018 vide letter no. PCC/DDD/O-0720/WA/AA/KG/96-97/2018-19/PH EIA expansion dated 26.11.2018. Minutes of public hearing received from PCC of Daman and Diu on 11.01.2019.</p> <p>Proponent was suggested that UTEIAA has the authority to issue prior environmental clearance. However, the EAC meeting (Violation committee) held on 28.03.2019, observed that the project is category “A” as the industrial area was a private one without any notification, and that the UTEIAA was not empowered to issue TOR, and that the public hearing held, was invalid.</p> <p>In view of above submission by the PP, Committee observed that the said project/activity is covered under item “5 (f)” of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC as it is not located in the notified Industrial area. EAC further observed that PP has enhanced the production of Acrylic polymers beyond the capacity of CTO without taking the prior EC under the provisions of EIA Notification 2006 and as amended thereof. Hence violation of EIA Notification.</p> <p>Committee after detailed deliberation, reiterated its recommendation as made in 20th EAC meeting.</p>
Day 3: 24th July 2019	
24.5.1	<p>New Jamdapur Manganese Mine for production of 3,850 TPA in over an extent of 93.17 Ha, located at Survey. No. 25-32, 34, 35, 38 - 40 & 42, Village Jamadapur, Mandal & District Adilabad, Telangana by M/s Aditya Minerals Private Limited -Further consideration for Terms of Reference</p> <p>[IA/TG/MIN/74107/2018 dated 12.04.2018] [F. No. 23-16/2019-IA.III (V)]</p>
24.5.1.1	<p>M/s Aditya Minerals Private Limited has made online application vide proposal no. IA/TG/MIN/74107/2018 dated 12.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘B’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as tenure of SEIAA at Telangana was completed at the time of initial appraisal for Terms of Reference.</p>
24.5.1.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project Description</p> <p>The Proposal of M/s Aditya Minerals Private Limited (AMPL) is for Mining of Manganese Mineral of 3850 TPA with Total Excavation of 31661 Tonnes per annum (Waste Rock : 26163 TPA + Top soil : 1648 TPA + Ore : 3850 TPA) from mining lease area (93.17 Ha) located at Jamdapur Village, Adilabad Mandal& District, Telangana.</p> <p>2. Project Background</p>

The proposal of M/s Aditya Minerals Private Limited is for production of 3850 Tonnes per annum (TPA) of Manganese from New Jamdapur Mine (ML Area 93.17 Ha, located at Survey No. 25 to 32, 34, 35, 38 to 40 & 42, at Jamdapur Village, Adilabad Mandal & District, Telangana. The mining lease is located on Survey of India Topo-sheet no.56I/10. The area is bounded between the coordinates Latitude 78°30'52.1"N to 78°31'36.7"N and Longitude 19°43'59.1"E to 19°44'38.5"E.

3. Category of the Project: Project area is 93.17 Ha, Category "B" as per MoEF&CC notification, S.O.3977 (E) dated 14.08.2018. The proposal is for appraisal at MoEF&CC as there is no SEIAA, Telangana, the proposed project activity is covered under 'Schedule 1(a)' of EIA Notification, 2006 and is a category 'B' as per MoEF&CC Notification, S.O.3977 (E) dated 14.08.2018.

4. Violation Details & Sectorial EAC/SEAC Comments:

- The Mining Lease was granted on 14.02.1975 for 20 years for the period from 14.02.1975 to 13.02.1995
- First Renewal sanctioned Renewal on 18.04.2002 for 20 years w.e.f from 14.02.1995 to 13.02.2015.
- As per MMDR Amendment Act 2015, lease period is extended upto 13.02.2025 vide DMG, Govt of Telangana vide letter no. 15672/R3/2008 dated 29.03.2019.
- AMPL submitted the necessary application to MoEFCC for approval of Terms of Reference (vide proposal No IA/MIN/TG/23828/2014 dated 21 Jul 2014.
- The EAC Meeting was held during 22nd Meeting of the Reconstituted Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forests and Climate Change was held during August 26-27, 2014.
- It was noted that this is a case of violation of E(P)A, 1986 as mine operated since 1993-94 and enhanced the production without obtaining EC. Based on the information furnished and presentation made by the PP and discussions held, the Committee prescribed the TORs for undertaking detailed EIA study subject to fulfillment of procedure for violation as per provisions of E(P)A, 1986.
- MOEF vide Letter No. J-11015/204/2014-IA. II (M) dated 08.10.2014 directed to close down the mining operations.
- AMPL Vide Lr. No. AMPL/2014-15/97 dated 14.11.2014 requested Principal Secretary to Govt. to Initiate Credible Action.
- The Board Resolution dated 25-11-2014 stating that the mining operations will be stopped and will not be commenced unless EC, CFE & CFO is in place.
- As per the procedure of violation, a case has been filed in the court of Judicial Magistrate of First class at Adilabad on 19-6-2015 vide Case No.CC B/1372/2015 to take cognizance of offence under section 15 of Environment (Protection) Act.
- The Credible Action has been initiated and Proof of Evidence was submitted to the Ministry vide Letter dated 09.07.2015.
- The Terms of Reference was approved by MoEFCC for carrying out the Environmental Impact Assessment study vide letter No. J-11015/204/2014-IA.II (M) dated 31/12/2015.
- Public Hearing for this project was held on 15.11.2017 by Telangana State Pollution Control Board. The proposal was submitted online in EC Portal on 25th February 2018. This project falls under violation and now the present Proposal was submitted as per MOEF&CC Notification S.O. 804 (E) dated 14th March 2017 and MoEFCC Office Memorandum dated 16th March 2018.

5. Application(Form-1&PFR)

Fresh application was made online vide proposal no. IA/TG/MIN/74107/2018 Dated 12.04.2018 under **violation category** for Term of References(ToR)as per 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 'B' as per MoEFCC notification, S.O.3977 (E) dated 14.08.2018

6. Details of Minerals:

Number of minerals: One (Manganese Ore)

Whether mineral is major or minor: Major Mineral

Status of same mineral before 2006 (major or minor): Major Mineral

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

M/s Aditya Minerals (P) Ltd was granted mining lease for manganese ore on dated 14.02.1975 for 20 years (for the period from 14.02.1975 to 13.02.1995). Subsequently the first renewal was done for 20 years vide G.O.Ms. No.531dated23.10.2001 issued by Industries & Commerce Department and the same was executed vide proceeding no.2137/M/2001 dated 18.04.2002 for the period upto 13.02.2015.

As per MMDR amendment Act 2015, lease period is extended upto 13.02.2025 vide DMG, Govt of Telangana vide letter no. 15672/R3/2008 dated 29.03.2019

8. Method of Mining & Mining Plan Details:

- The mine is operated by means of opencast manual method.
- The Mining Plan was approved by IBM/DMG vide LR NoAP/ADB/MP/Mn-13/Hyd dated 17-11-2016 as per which the method of mining shall be opencast manual method.
- Modified Mining Plan was approved on 11.06.2019 vide letter No. AP/ADB/MP/Mn-13/Hyd (Incorporating Canal)

Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any,

- For OB removal, drill holes of 33 mm dia. will be drilled with jack hammer drills in a definite grid pattern with 0.9m spacing and 0.7m Avg burden. The drilled holes are then blasted with Gelatin & detonator
- Bench Height: 1.5m
- Bench Width: More than bench height
- Ultimate pit: 6m.
- Ultimate pit slope : not be more than 45 degrees
- The water table in the area is 50 m below the surface. The depth of mine will go up to 6 m only. Hence there is no intersection of Ground water.
-

Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,

- The waste material comprises of Top soil, waste rock & mineral waste. About 62,402 m³ of waste generation is anticipated during life of mine.
- Waste generated will be concurrently backfilled in the mined out area restoring to its original status for carrying out agricultural operations.

Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details.

- No beneficiation process is involved.
- Water requirement:3.0 m³/day.

- Land use as per mining plan at the end of plan period and at conceptual stage.

S.NO.	LANDUSE CATEGORY	Present	2016-20	2020-25 Life of the Mine
1	Top soil dump	0.06	0.06	0.06
2	Waste dumps (external)	-	-	-
3	Excavation	2.80	3.58	*4.86
4	Road	0.64	0.64	0.64
5	Built-up Area (Site services)	0.02	0.02	0.02
6	Afforestation	-	0.09	0.19
7	Reclamation (backfilling)*	-	(-)1.54	(-) 4.86
8	Undisturbed area	89.59	88.72	87.34
9	Other Mineral storage	0.06	0.06	0.06
	Total	93.17	93.17	93.17

**mined out area will be backfilled concurrently*

9. Other Waste Generation, if any:

- The waste material comprises of Top soil, waste rock & mineral waste. About 62,402 m³ of waste generation is anticipated during life of mine.
- Waste generated will be concurrently backfilled in the mined out area restoring to its original status for carrying out agricultural operations.

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

The New Jamdapur Manganese Mining lease area is spread over an extent of 93.17 ha. out of which 12.62 ha. is Govt. Waste Land and 80.55 ha is a private patta land (Private Agriculture Non Irrigated land)

11.Details of past production since inception of mine authenticated by DMG

Past Production Details w.r.t DMG Letter No493/GC/2018 dated 24.01.2019

YEAR	PRODUCTION IN TONNES
1993-94	880
1994-95	750
1995-96	250
1996-97	Nil
1997-98	Nil
1998-99	385
1999-00	1860

		2000-01	1002.365
		2001-02	100
		2002-03	740
		2003-04	1210
		2004-05	2230
		2005-06	2100
		2006-07	1500
		2007-08	3700
		2008-09	4103
		2009-10	1930
		2010-11	500
		2011-12	2296
		2012-13	2348
		2013-14	0
		2014-15	0
		2015-16	0
		2016-17	0
		2017-18	0
	<p>[Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any] None within 10km radius</p> <p>13. Project Cost & Employment: Project Cost: Rs.50.0 Lakhs Employment to 25 persons</p>		
25.5.1.3	<p>Observations and recommendations of committee of 17th EAC meeting held on held on, 29-31 January, 2019:</p> <p>The EAC observed that observed that f canal is passing within the lease and the mining involved Manganese. The EAC, after detailed deliberations on the information submitted and as presented by the PP defer the proposal for want of submission of following information:</p> <ol style="list-style-type: none"> 1. Certified production details from state DMG since inception of mine in accordance with financial year is to be submitted. 2. Canal is passing within the lease, therefore details about the protective measures to be taken is to be submitted. 3. Revised mining plan is to be submitted as canal is passing through the mining lease area. 4. Valid mine lease document is to be submitted. 5. Water quality analysis report is to be submitted in an around the mining lease area. 		
24.5.1.4	<p>Observations and recommendations during the present EAC meeting held on 22nd -24th July 2019:</p> <p>PP along with consultant (B.S. Envi-Tech Pvt Ltd, Secunderabad) made the detailed presentation before the committee.</p> <p>PP further informed that the project was earlier considered in the sectoral EAC Meeting held during 22nd Meeting of the Reconstituted Expert Appraisal Committee for Environmental</p>		

Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forests and Climate Change was held during August 26-27, 2014.

It was noted that this is a case of violation of E(P)A, 1986 as mine operated since 1993-94 and enhanced the production without obtaining EC. MOEF vide Letter No. J-11015/204/2014-IA. II (M) dated 08.10.2014 directed to close down the mining operations.

AMPL Vide Lr. No. AMPL/2014-15/97 dated 14.11.2014 requested Principal Secretary to Govt. to Initiate Credible Action. The Board Resolution dated 25-11-2014 stating that the mining operations will be stopped and will not be commenced unless EC, CFE & CFO is in place.

As per the procedure of violation, a case has been filed in the court of Judicial Magistrate of First class at Adilabad on 19-6-2015 vide Case No.CC B/1372/2015 to take cognizance of offence under section 15 of Environment (Protection) Act. The Credible Action has been initiated and Proof of Evidence was submitted to the Ministry vide Letter dated 09.07.2015.

The Terms of Reference was approved by MoEF&CC for carrying out the Environmental Impact Assessment study vide letter No. J-11015/204/2014-IA.II (M) dated 31/12/2015. Public Hearing for this project was held on 15.11.2017 by Telangana State Pollution Control Board.

EAC (violation) observed that mine was renewed w.e.f from 14.02.1995 and had enhanced the 1993-94 base year production of 880 tonnes during 1999-2000. Since at the time of renewal of mine lease, PP did not have valid prior Environment Clearance and had mined in subsequent years is a Violation of EIA Notification.

The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- 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
- 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.
- 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.

	<p>iv. Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter 13 in the EIA report by the accredited consultants.</p> <p>vi. 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.</p> <p>vii. 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.</p> <p>viii. Recently collected base line data (March-May 2019) may be used for preparation of EIA/EMP reports.</p> <p>ix. Public Hearing (PH) has been conducted on dated 15.11.2017 for the 3850 TPA of Manganese mineral covering all the issues, committee felt that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeat PH is not required. However, the PH shall not be more than three years older at the time of submission of EC application.</p> <p>x. 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.</p> <p>xi. 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> <p>xii. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.</p> <p>xiii. 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 Report.</p> <p>xiv. Details of benefit accrued during the violation period along with capital cost of the project is to be submitted.</p> <p>xv. Mine plan as approved by Indian Bureau of Mines to be submitted.</p> <p>xvi. DGMS permission is to be submitted for blasting at project site, if any.</p> <p>xvii. Protective measures for canal passing through the mine lease area shall be included in the EIA/EMP report.</p>
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	<p>xviii. Impact of mining particularly Sulphur content in the water quality both in core and buffer zone is to be studied in detail in EIA/EMP report.</p>
24.5.2	<p>M/s Sri Anjani Mines & Minerals for mining of Iron & Laterite Ore (M.L. Area 208.30 Ha) located at Sy. No. 324, Village Chabali and Sy. No. 628, Village Thummalur, Mandal Pendlimarri, District YSR Kadapa, Andhra Pradesh - Further consideration for Terms of Reference</p> <p>[IA/AP/MIN/74395/2018 dated 13.04.2018] [F. No. 23-261/2018-IA.III (V)]</p>
24.5.2.1	<p>M/s Sri Anjani Mines & Minerals has made online application vide proposal no. IA/AP/MIN/74395/2018 dated 13.04.2018 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>
24.5.2.2	<p>Details of the project as per the submission of project proponent:</p> <p>The proposal of M/s Sri Anjani Mines & Minerals is for Mining of Iron Ore and Laterite from Chabali iron Ore mine for total Excavation 0.50 Million Tonne per annum of Iron Ore and 0.10 Million Tonne per annum of Laterite [including 1.3406 million tons of Iron ore and laterite, Waste, O.B, Inter Burden, Top Soil etc] from mining lease area in 208.300 Ha located at Chabali & Thummalur Villages, Pendlimarri Mandal, YSR–Kadapa District, Andhra Pradesh State by M/s. Sri Anjani Mines & Minerals. The mining lease is located on survey of India Topo-sheet no. 57 J/11. The area is bounded between the coordinates Latitude 14°29'09.6"N to 14°29'09.5"N and Longitude 78° 34'54.6 E to 78° 34'52.0"E.</p> <p>The said project/activity is covered under category A of item 1a 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.</p> <p>The Mine lease area granted in 2004 from Mines and geology department from Government of Andhra Pradesh, but mine was started operations for excavation of mineral from 2005 without obtaining environmental clearance.</p> <p>We have submitted Form-I and Prefeasibility report to MOEF&CC for issue of TOR letter. We have made presentation before 18th EAC held during 20th to 21st March 2014.</p> <p>It was observed by the committee that this is a case of violation of E(P) A, 1986 and EIA Notification 2006 as the mine was operated from 2005 to 2013 without obtaining EC.</p> <p>Fresh application was made online vide proposal no. IA/AP/MIN/74395/2018 dated 13th April, 2018 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 1a of EIA Notification, 2006 and is a category 'A'. Number of minerals: Iron Ore (Major) and Laterite (Minor).</p> <p>Mine lease area for Iron ore and laterite over an extent of 208.300 Ha in Sy. No. 324 of Chabali village and Sy.No.628 of Thummalur village, Pendlimarri Mandal, YSR–Kadapa District, Andhra Pradesh State was granted by the Govt. of Andhra Pradesh in favour of M/s Sri Anjani Mines & Minerals, vide G.O. Ms. No. 260, I & C (M.III) Department, dated 3rd November 2004 for period of 20 years.</p>

Later the Mine lease area for Iron ore and laterite was executed by Department of Mines and Geology, Kadapa, Govt. of Andhra Pradesh vide Proceedings No. 2214/M3/2003 dated 27th November 2004 for a period of 20 years.

Earlier Method of excavation: The mine was operated by open cast other than fully mechanized (OTFM) method with drilling & Blasting using slurry and ANFO.

Proposed method of excavation: During the scheme period, it is proposed to continue the mining operation by mechanized method by drilling and blasting. Excavation of muck piles will be carried out by hydraulic excavators. It is proposed to continue the workings in the existing pits advancing towards south direction for systematic and scientific operations.

No other waste generated except OB and top soil.

The total mine lease area of 208.300 ha. is granted to M/s. Sri Anjani Mines & Minerals is Government batten land.

Authenticated past production data are obtained from the Dept. of Mines & Geology, Govt. of Andhra Pradesh vide its letter ref. No.2471/M1/2004 dtd.14.05.2019. The following are the details.

S.No.	Year	Quantity issued in MT		
		Iron ore Lumps	Fines	Laterite
1	2004-05	---	4980	---
2	2005-06	12875	30000	6000
3	2006-07	162700	27500	---
4	2007-08	223830	26900	---
5	2008-09	131200	41450	---
6	2009-10	18542	23600	---
7	2010-11	44136	10171	---
8	2011-12	23215	7466	---
9	2012-13	62650	54494	---
10	2013-14	30000	---	---
11	2014-15	25214	15400	---
12	2015-16	---	---	---
13	2016-17	---	---	---
14	2017-18	---	---	---
15	2018-19	---	---	---
Total		533362	241961	6000

General conditions will not applicable to this project. The ML area is more than 100 Ha., hence it will be appraised at Central. No Wildlife Sanctuary / Bird Sanctuary / National Park / Tiger Reserve/Elephant Corridor within 10km radius of the ML Area.

	The total mining cost for the proposed project is about Rs. 250 Lakhs. This includes the EMP cost. During operation phase, manpower requirement will be about 77 nos. including skilled and unskilled workers.
24.5.2.3	Observations and recommendations of committee of 14th EAC meeting held on held on, 22th - 24th October, 2018: Project proponent requested to defer the proposal.
24.5.2.4	Observations and recommendations of committee of 22th EAC meeting held on 21st - 22nd May 2019: PP along with the consultant made the detailed presentation before EAC. EAC after detailed deliberation recommended to defer the proposal for want of following information: 1. Revised Form I with revised capacity along with total excavation details. 2. State Forest department may ascertain whether mining lease area is falling in Forest. PP is advised to approach the State forest department to obtain above clarification. 3. If the FL is involved, PP has to submit the documentary proof regarding submission of forest land application. 4. Submission of mineral transport route plan. 5. Justification regarding project cost.
24.5.2.5	Observations and recommendations of the EAC during the 24th meeting held on 22nd - 24th July 2019: PP along with the consultant made the detailed presentation on the information sought in the 22 nd meeting before EAC. EAC after detailed deliberation recommended to defer the proposal for want of following information: Details of total excavation including mineral and ore, waste, over burden and internal burden, top soil etc and accordingly submit the revised Form 1.
24.5.3	Kaswa Ki Dhani Limestone Mine of M/s Special Limestone Pvt. Ltd. for mining of limestone (minor mineral) with production capacity of 0.45 MTPA in M.L. Area of 93.04 ha located at Village Kaswa Ki Dhani, Tehsil Merta, District Nagaur (Rajasthan) - Terms of Reference [Proposal No. IA/RJ/MIN/65145/2017] [F. No. J-11015/70/2017-IA.II (M)]
24.5.3.1	M/s Special Limestone Pvt. Ltd has made online application vide proposal no. IA/RJ/MIN/65145/2017 dated 13.09.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006.
24.5.3.2	Observations and recommendations of committee of 23rd EAC meeting held on 25th- 26th June, 2019: Project proponent did not attend the meeting.
24.5.3.3	Observations and recommendations during the present EAC meeting held on 22nd -24th July 2019:

	<p>During the meeting PP informed to the Committee members that proposal was submitted on 13.09.2017 in pursuance of the Ministry's Notification S.O 804 (E) dated 14.03.2017. PP further requested to transfer the proposal to SEIAA Rajasthan as it now falls under Category B due to Ministry Notification dated 14.08.2018.</p> <p>EAC deliberated on the PP request and observed that initially proposal was submitted as Category A project at the Central level. Also, based on the brief summary and Form 1 submitted to the Ministry no National Park, Wildlife Sanctuary, Biosphere Reserves, Elephant Corridor etc. exists within the 10 km radius of ML boundary, hence General Condition is not applicable. Subsequently with Ministry's Notification dated 14.08.2018, instant proposal became Category B proposal and transferred to the State on 30.11.2018.</p> <p>EAC informed PP to pursue further at the State level for Terms of Reference.</p>
24.5.4	<p>Mining and mineral separation of mineral in Block-III of M/s Kerala Minerals and Metals Ltd., located Villages Panmana & Chavara, Taluk Karungapally, District Kollam, Kerala (M.L. Area 88.119 ha) - Terms of Reference</p> <p>[F. No. J-11015/245/2014-IA.II (M)]</p>
24.5.4.1	<p>M/s Kerala Minerals and Metals Ltd. has made online application vide F. No. J-11015/245/2014-IA. II (M) seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as general condition applies.</p>
24.5.4.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project Description</p> <p>The Proposal of M/s (The Kerala Minerals and Metals Ltd) is for Renewal of Mining Lease for - "Beach sand minerals" (Ilmenite, rutile, Zircon, Sillimanite)-from-NK Block III -Chavara Ilmenite Mine of KMML and for enhancement of mineral sand production from 2,50,000 to 7,50,000Tonnes per annum(TPA) from mining lease area (88.113 Ha) located at Villages: Chavara, Panmana and Vadakumthalla, Tehsil: Karunagapally, District: Kollam, State: Kerala, by M/s The Kerala Minerals and Metals Ltd.</p> <p>1. Project Background</p> <p>The proposal of M/s The Kerala Minerals and Metals Ltd is for production of 7,50, 000Tons per annum (TPA) of 'Beach sand minerals' Ilmenite, rutile, , Zircon, Sillimanite and Monozite from- NK Block III - Chavara Ilmenite Mine of KMML- (ML Area :88.113 Ha, located at SurveyNo.:1 to 121, 31 to 632 (at Villages Chavara, Panmana and Vadakumthalla, Tehsil Karunagapally, District Kollam, State Kerala .The mining lease is located on Survey of India Topo-sheetno.58/D & 58 C/8.The area is bounded between the coordinates Latitude 08° 59' 31.76 N to 09° 01' 03.53 N and Longitude E 76° 31' 22.23" to E76° 31' 8.41".</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p> <p>The project falls under category B of EIA notification as per EIA notification 14th Aug 2018. The present study area falls in Coastal Regulation Zone as per CRZ notification 2011 (CRZ I, III and IV).</p> <p>4. Violation Details &Sectorial EAC/SEAC Comments:</p>

Started mining without obtaining EC. CC has asked for an EDS mentioning the project Attracts provisions of the Notification S.O 804(E) dated 14.03.17 and is to be considered as violation case. During the 33rd meeting of EAC for appraisal of non-coal mining, the committee deliberated the project is violation case and to be referred to violation sector.

5. Details of Minerals:

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor):
Illiminite, Rutile ,Zircon, Silliminite and Monozite (Major Minerals).

*Monozite rich tailings produced from MSP is stored separately as per directions of DAE and year marked for supply to IREL Ltd as per as per the modified license, letter no. AERB /CN/IPSD/SS/65A/2016/565.

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

Letter from the Deputy Director of Mines and Geology (Industries Department), G.O(Ms) No175/2010/ID vide order no. G.O (Ms) No 175/2010/ID dated 12.08.2010 and the time has been granted to execute the mine lease deed upto Sep 2019.

7. Method of Mining & Mining Plan Details:

The Mining Plan was approved by IBM/DMG/AMDER vide No. AMD/MRG/KMML/MP/203.3802 Ha dated 26th Nov 2015. The method of mining is open cast mining. The mining employed is beach washing and inland mining for the current project.

Beach Washing Method:

The beach sands will be collected by open cast method. Along the seashore, the washing will be collected generally up to a depth of 35 cm. Seasonal beach washings accretions are collected as per recommendation and sand budgeting studies carried out by NCESS.

Inland mining method:

Deposit of beach sand minerals in the inland area of beach will be mined by semi mechanized methods without drilling or blasting. This will be done by using a dredge or pontoon mounted Toyo pumps working in a manmade pond, by using conventional mining equipment like front end loader and shovels. Simultaneous refilling will be carried out as the mine progress. Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of groundwater table if any,:

No drilling or blasting. Groundwater intersection will occur during inland mining. But as the mining and reclamation goes hand in hand the impact is very limited.

Number of tops soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any:

No top soil dumps are generated as a part of this project. The reclamation of the mined area will be carried out as follows.

Beach Area:

The area used for Beach washing collection does not run out of mineral because the mineral is replenished periodically by the sea. So the same area continues to be used for beach sand washing collection for the last 70 years. So the area is never mined out. Hence the area cannot be reclaimed or rehabilitated as a mined out area.

Inland:

The tailing from the processing plant will be transported to the mining site for refilling the mine pit and will refill the pond progressively. Hence the mining method incorporates progressive reclamation of the mined area. In the refilled area, the tailings from the Old MS plant is also deposited by tipping trucks. The refilled area is levelled with Front End Loaders

Details of crushers/screen/beneficiation plant if any with capacity and numbers, water Requirement for the project, plantation details, green belt details.

Mineral Separation Plant (Mineral Beneficiation)

Mineral Separation Plant is located inside the mining lease area. In the mineral separation plant, based on physical properties like specific gravity, particle size, conductivity, magnetic susceptibility and surface attraction, the valuable minerals are separated from the gangue minerals/ impurities.

Water Usage:

Artificial Pond: 1776 MLD, (TS canal water will be utilized for this purpose)

MSP : 30m3 is taken and same amount is discharged except some minor evaporation loss as per mining plan.

Green Belt & Plantation Details:

Total area of green belt: 0.3568 Ha

% of total project area : 0.04

No. of plants to be planted: 500

Land use as per mining plan at the end of plan period and at conceptual stage

	Land Utilization of Block 3	Present Area (01/04/2016)	At the end of SOM (31/03/2021)
		Ha.	Ha.
1	Total ML area	88.1193	88.1193
2	Area Mined out	8.5	21.5
2a	Area back filled	7.5	21
2b	Area to be backfilled	1	nil
3	Area to be left as statutory barrier	31.9	31.9
4	Area occupied by plant, office etc. inside the barrier	14	14
5	Area occupied by plant, office etc. Outside the barrier	2	2
6	Area used for beach wash collection(part of barrier at beach)	24.3	24.3
7	Area used for storage of waste sand(apart of minable area)	3	3
8	Area lost due to sea erosion	18.3	18.3
9	Area not available for mining (2+3+5+8)	60.7051	73.7051
10	Balance area available for dredging/Mining [(1)- (8)]	27.4142	14.4142

9. Other Waste Generation, if any: No wastes necessitating mitigation measures are generated. As a part of mining tailings are generated, that is utilized for simultaneous refilling of mined out area.

10. Land Use (Forest/Agricultural/Waste): No forest land is present in mine lease area.

Land Use	Core Area	Buffer Area (10km)
Agriculture	n/a	203.939868
Builtup	-	4477.430428
Inland Waterbodies	-	3172.413389
Mixed Vegetation	-	7951.260811
Mining lease	88.1193	-
Lakshadweep Sea	-	15610.463780

11. Applicability of General Condition & Status of SEIAA:
No General conditions is applicable to this project. Ecological survey was conducted as part of EIA Studies and no schedule 1 species was observed in the study area.

12. Project Cost & Employment:

Total cost of project: 28.27 Crores (ongoing project approx.)
Employment:
Permanent employment 118
Temporary employment 447
No. of working days 330/year
Total (manpower) 565

24.5.4.3	Observations and recommendations of committee of 23rd EAC meeting held on held on, 25th- 26th June, 2019: Project proponent did not attend the meeting.
24.5.4.4	Observations and recommendations during the present EAC meeting held on 22nd- 24th July 2019. EAC observed that PP has not submitted hard and soft copy of Form 1 application along with prefeasibility report to the members and the Ministry, hence EAC deferred the proposal for want of following information: 1. Revised Form 1 application. 2. Prefeasibility report as per the ministry's guidelines. 3. Certified past production details by Director mines and geology since inception of mine. 4. Copy of mine lease documents. 5. Details of total excavation including mineral and waste. 6. Copy of affidavit in compliance to the Ministry's OM dated 30.05.2018. 7. Status of CRZ clearance.
24.5.5	Arasu Magnesite Mine of lease 96.34 ha (Magnesite 1,24,260 TPA & Dunite 1,33,698 TPA), located at Kurumbapatti RF, Thatayangarpatti Village, Omalur Taluk, Salem District, Tamil Nadu by M/s Tamil Nadu Magnesite Ltd. - Further consideration for Terms of Reference. [IA/TN/MIN/74485/2018] [F. No. J-11015/64/2018-IA.II(M)]
24.5.5.1	M/s Tamil Nadu Magnesite Ltd. has made online application vide proposal no. IA/TN/MIN/74485/2018 seeking Terms of Reference for the above mentioned proposed project. The proposed project activity is covered under item 1(a) of the Schedule to the EIA Notification, 2006.

24.5.5.2**Details of the project as per the submission of project proponent:****1. Project Description:**

The Proposal of M/s Tamil Nadu Magnesite Limited is for Mining of Magnesite and Dunite from Arasu Magnesite Mines for Total Peak Proposed Excavation of 26,73,950 Tonnes per annum (TPA) [including 1,24,260 TPA of Magnesite, 1,33,698 TPA of Dunite & 24,15,992 TPA of Waste] from mining lease area over an extent of 96.34 ha. located at Thatheingarpatti Village, Omalur Taluk, Salem District, Tamil Nadu State by M/s. Tamil Nadu Magnesite Limited.

2. Project Background

The proposal of M/s Tamil Nadu Magnesite Limited is for peak proposed production of 26,73,950 Tonnes per annum (TPA) (1,24,260 TPA of Magnesite, 1,33,698 TPA of Dunite & 24,15,993 TPA of Waste) from Arasu Magnesite Mines over ML Area- 96.34 Ha, located at Kurumbapatti Reserve Forest at Villages - Thatheingarpatti, Tehsil - Omalur, District - Salem, State – Tamil Nadu. The mining lease is located on Survey of India Topo-sheet No.58I/1&2. The area is bounded between the coordinates Latitude 11o44'46.33" N to 11o45'35.93" N and Longitude 78o08'54.10" E to 78o09'42.87" 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 at the time of application submitted to the Ministry and subsequently after Ministry Notification dated 14.08.2018, it became Category B.

4. Chronology:

- The Government of Tamil Nadu formed M/s. Tamil Nadu Magnesite Limited popularly known as TANMAG in January 1979 and handed over the area for carrying out mining of Magnesite and Dunite under Raising Contractor Status for and on behalf of Government of Tamil Nadu as per G.O. Ms. No.41, Industries Department, Dated: 10.01.1979.
- 1st Mining Plan Approved (1992-1997) vide letter TN/SLM/MG-13-SZ-MDS Dated: 21.04.1992
- Obtained CTO from TNPCB from 1993 to till date.
(Tamil Nadu Pollution Control Board Consent Order No. 1808212176713 Dated: 26.07.2018 & Proceedings No.T2/TNPCB/F.0285SLM/RL/SLM/A/2018 Dated: 26.07.2018 valid upto 31.03.2021)
- Obtained Explosive License for storage and handling as per Explosive Act, 1884 Dated: 28.07.1979 & possess valid license as per Explosive Rules, 2008
- Permission for adopting a system of deep-hole blasting and / or working opencast mines with the help of HEMM obtained under Regulation 106 (2) (b) as per MMR, 1961 vide Memo No. D/A4/6071 Dated: 21.11.1996.
- Meanwhile, The Hon'ble Supreme Court of India in W.P. (Civil) No. 202/95 read with W.P. (Civil) No. 171/96 has pronounced Interim Order on 12.12.1996 and as per the order, all ongoing non-forest activity within the forest land throughout the country without prior approval of the Central Government must cease forthwith as per Section 2 of The Forest (Conservation) Act, 1980.
- In accordance with the Supreme Court Order and as directed by DFO, Salem, vide his letter C. No. D1/9317/97(1), Dated: 30.01.1997, the mining activities were stopped from 19.02.1997.
- Government of Tamil Nadu Letter No. 47060/FRX/92-20, Dated: 13.03.1997 and

Ministry of Environment and Forest Letter No. 11.10.97/FC, Dated: 26.03.1997 granted temporary working permission for a period of 6 Months i.e. from 26.03.1997 to 25.09.1997.

- Government of Tamil Nadu vide G.O. (2D) No. 53, Environment and Forest (FRX) Department, Dated: 23.10.1997 and Ministry of Environment and Forest Letter No.8-53/97-FC, Dated: 25.09.1997 granted temporary working permission for a further period of 9 Months from 26.09.1997 to 25.06.1998.
- Obtained Forest Clearance from Ministry of Environment and Forests Dated: 23.06.1998 (Validity – 10 Years) Vide Letter No.8-53/97-FC
- 2nd Mining Plan Approved (1998-2002) vide letter TN/SLM/MP/MG-1293/S2 Dated: 29.06.2001
- Government of Tamil Nadu Environment & Forest (FRX) Department granted Mining Lease for a period of 10 Years vide G.O. (Ms.) No.234 Dated: 06/08/1998
- 3rd Mining Plan Approved (2003-2008) vide letter TN/SLM/MG/MS-344/S2 Dated: 28.05.2005
- Renewal of Forest Clearance from Ministry of Environment & Forest Dated: 14.07.2008 (Validity – 20 Years) vide letter 8/53/97-FC
- Government of Tamil Nadu Environment and Forests (FR.10) Department granted Renewal of Mining Lease for a period of 20 Years vide G.O.(Ms) No.79, E&F (FR.X) Dated:12.08.2008
- 4th Mining Plan Approved (2008-2013) vide letter TN/SLM/MP/MG-1815-MDS Dated: 05.10.2012
- FMCP Approved (2013) vide Letter TN/SLM/MP/MG/1815-MDS Dated: 05.10.2012
- 5th Mining Plan Approved (2013-2018) vide letter TN/SLM/MG/MS/922-MDS Dated: 16.12.2013
- 6th Mining Plan Approved (2018-2023) vide letter TN/SLM/MG/ROMP/1483-MDS Dated: 04.05.2018
- TANMAG received a letter No. Z-11013/89/2017-IA.II (M) Dated: 12.04.2018 from Advisor, Mining Sector (S), MoEF & CC, New Delhi requesting to close down the mining operations and apply for Environment Clearance under violation category. Arasu Magnesite Mines has closed its mining operations in compliance with directions of MoEF & CC and applied for Environment Clearance.
- Applied for Environmental Clearance online and attended the 33rd EAC meeting held on 22.06.2018
- Parivesh portal delisted Arasu Magnesite Mines as a case of violation.
- The project is included in the 23rd EAC meeting (Violation Category) Dated: 25.06.2019 under Agenda No: 23.3.5

5. Application (Form-1 & PFR)

Fresh application was made online vide Proposal No. IA/TN/MIN/74485/2018 Dated: 13.04.2018 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 'B'.
"Appraised at EAC (MoEF & CC) because of violation category"

Details of Minerals:

Number of minerals – Two (2) Minerals {Magnesite & Dunite}

Whether mineral is major or minor – Magnesite – Major Mineral
Dunite – Minor mineral

Status of same mineral before 2006 (major or minor) – Both the minerals were Major Mineral as per MMDR Act, 1957

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

Government of Tamil Nadu, Environment and Forest Department G.O. (Ms.) No. 234 Dated: 06.08.1998 Ordered– Grant of Lease over an extent of 177.96 Hectares in Forest Land at Kurumbambatti Reserve Forest, Shevaroy's South Range of Salem Division for Mining of Magnesite and Dunite for a period of 10 Years in favour of M/s. Tamil Nadu Magnesite Limited executed for 10 (Ten) Years w.e.f. 24.04.2000 and is valid till 05.08.2008

Government of Tamil Nadu, Environment and Forests (FR.10) Department G.O. (Ms.) No. 79 Dated: 12.08.2008, Diversion of 96.34 Hectares of Forest Land – Renewal of lease of forest land for Mining of Magnesite and Dunite in Salem Forest Division, Shevaroy's (South) Range, Kurumbambatti Reserve Forest, Salem District and Tamil Nadu State in favour of M/s. Tamil Nadu Magnesite Limited executed for a period of 20 (Twenty) Years w.e.f 05.10.2009 and is valid till 11.08.2028

7. Method of Mining & Mining Plan Details:

- The Review of Mining Plan was approved by IBM vide LR No TN/SLM/MG/ROMP-1483.MDS Dated: 07.05.2018. As per which the method of mining shall be opencast mechanized.
- Drill Hole length - 5.5 m
- Diameter of drill hole - 110 mm
- Blasting - Controlled Blasting using Slurry Explosives
- Bench Height and Width - 5 m x 5m
- Ultimate pit limit - 314 m AMSL
- Ultimate pit slope - 60°
- Intersection of Ground Water Table if any - **Yes**
(Water Table Level during Summer is 312m AMSL and Rainy Season 325m AMSL {Maximum Elevation – 372m AMSL and Ultimate Pit Limit – 314m AMSL})
- Number of Top Soil Dump - 1 Topsoil Dump, extent – 0.12 ha & Capacity 2400 m³
- Number of waste/reject dump - 4 Spoil Dumps, extent – 6.135 ha & Capacity
- Backfilling Plan if any - Backfilling in northern side of lease area is proposed after reaching ultimate pit limit
- Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, and green belt details - No crushers/screen/beneficiation plant
- Water requirement for the Project - 75 KLD
- Plantation Details - Planted 1,20,000 trees of native species
- Greenbelt Details - Area under Greenbelt development 14.16.2 ha
- Land use as per mining plan at the end of plan period and at conceptual stage

Sl. No.	Description	End of Plan Period	Conceptual Stage
1	Mining Area	66.51.5	66.51.5
2	Waste Dump	6.13.5	6.13.5

3	Infrastructure & Greenbelt Development area	14.16.2	14.16.2
4	Stock Yard	1.21.8	1.21.8
5	Mine Roads	0.02.5	0.02.5
6	Township Area	0.50.0	0.50.0
7	Others (Explosive Magazine)	7.78.5	7.78.5
Total		96.34	96.34

8. Other Waste Generation, if any:

Domestic effluent from the mine office will be discharged to septic tank and soak pit. There is no toxic effluent expected to generate in the form of solid liquid and gases and the no requirement of waste treatment.

9. Land Use (Forest/Agricultural/Waste):

It is an Reserve Forest Land

Forest Clearance vide letter F.No.8-53/97-FC Dated: 23.06.1998 for 10 years for diversion of 177.96 ha

Renewal of Forest Clearance vide letter F.No.8-53/97-FC Dated: 14.07.2008 for 20 years for diversion of 96.34 ha

Status of Forest Clearance – Valid till 13.07.2028

10. Details of past production since inception of mine authenticated by DMG: DGM Letter No. Roc No. 267/2018/Mines-A Dated: 14.06.2018.

11. Magnesite Production for the period of 1979 – 1998

Year	Magnesite Production (in tonnes)
1979-1980	1,05,000.00
1980-1981	1,20,000.00
1981-1982	1,30,000.00
1982-1983	1,04,000.00
1983-1984	1,10,000.00
1984-1985	1,03,000.00
1985-1986	1,29,000.00
1986-1987	1,20,000.00
1987-1988	89,000.00
1988-1989	1,23,000.00
1989-1990	1,05,500.00
1990-1991	1,10,000.00
1991-1992	1,03,000.00
1992-1993	90,000.00
1993-1994	62,000.00
1994-1995	60,000.00
1995-1996	74,000.00

1996-1997	77,000.00
1997-1998	71,800.00

2. DFO (Salem Forest Division) Letter No. C.No.3218/2019/D1 Dated: 18.06.2018

Magnesite Production for the period of 1998 –2019

Year	Magnesite Production (in tonnes)
1998-1999	43,266.80
1999-2000	69,463.66
2000-2001	78,300.97
2001-2002	62,545.43
2002-2003	50,402.47
2003-2004	64,931.75
2004-2005	1,13,467.38
2005-2006	1,18,255.06
2006-2007	1,06,866.26
2007-2008	1,21,254.24
2008-2009	1,17,260.87
2009-2010	1,27,274.76
2010-2011	98,327.11
2011-2012	1,07,586.68
2012-2013	1,07,899.63
2013-2014	84,050.28
2014-2015	1,39,396.20
2015-2016	1,07,119.09
2016-2017	76,264.70
2017-2018	86,394.85
2018-2019 (Upto 14.04.2018)	6549.87

3. DGM Letter No. Roc No. 267/2018/Mines-A Dated: 26.06.2018

Dunite Production for the period of 1992 – 1998

Year	Dunite Production (in tonnes)
1992-1993	230.00
1993-1994	1,770.00
1994-1995	4,760.00
1995-1996	6,050.00
1996-1997	4,050.00
1997-1998	3,550.00

4. DFO (Salem Forest Division) Letter No. C.No.3218/2019/D1 Dated: 18.06.2018

Dunite Production for the period of 1992 – 1998

Year	Dunite Production (in tonnes)
1998-1999	2392.93

1999-2000	5759.00
2000-2001	3441.00
2001-2002	3237.50
2002-2003	2612.75
2003-2004	830.00
2004-2005	3767.25
2005-2006	12,416.03
2006-2007	16,146.70
2007-2008	22,212.3
2008-2009	16,630.91
2009-2010	20,662.23
2010-2011	16,446.46
2011-2012	30,186.31
2012-2013	61,490.83
2013-2014	53,053.14
2014-2015	33,326.56
2015-2016	28,471.76
2016-2017	57,549.50
2017-2018	1,11,248.39
2018-2019 (Upto 14.04.2018)	5,957.96

12. Applicability of General Condition & Status of SEIAA:

No Interstate Boundary & Western Ghats Boundary within the radius of 10km

No National Park & Wild Life Sanctuary within the radius of 10km

No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km

No Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km

Not covered under HACA region and CRZ.

Status of SEIAA – Operational

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

The project doesn't come under Aravalli / Doon Valley

No Western Ghats Boundary within the radius of 10km

No Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km

14. Project Cost & Employment –

Project Cost –

Sl. No	Particulars	Cost in Rs
1	Leasehold Land	6,17,31,200
2	Infrastructure	39,35,218
3	Machineries	2,59,56,470
4	Environmental Control Equipment	3,47,690
5	Mine First Aid	3,552
6	Water Tank & Pipelines	3,27,485

		Total	9,23,01,615
	Employment –		
	Activity	No. of Manpower	
	Managerial and Administrative	7	
	Supervisory	12	
	Skilled, Semiskilled and Unskilled Worker		
	(1) Drilling	30	
	(2) Blasting	18	
	(3) Removal of ROM	42	
	(4) Sorting	303	
	(5) Dumping	41	
	(6) Stacking & Transportation of Mineral	47	
	Security Services	36	
	TOTAL	536	
24.5.5.3	<p>Observations and recommendations of committee of 23rd EAC meeting held on 25th-26th June, 2019:</p> <p>i. The project representative appeared before the committee without proper authorization from the project proponent without clarity that he will take all the decisions was not in order. Hence PP was advised to submit proper authorization letter.</p> <p>ii. PP has to submit the details of application submitted to the SEIAA along with copies of SEAC minutes of meeting.</p> <p>The EAC therefore deferred the proposal for want of above information.</p>		
24.5.5.4	<p>Observations and recommendations during the present EAC meeting (24th) held on 22nd-24th July 2019:</p> <p>PP along with the consultant made the detailed presentation before the committee. PP informed that initially the application for grant of ToR was submitted on 13.04.2018 in the Ministry. Subsequently, an essential detail was sought (EDS) on 04.05.2018 for which reply was submitted by the PP on 30.05. 2018</p> <p>EAC observed that both the minerals prior to 2006 were Major and PP had increased the base line production of 1993-94 level of Magnesite & Dunite in the year 1995-96 & 1994-1995 respectively without obtaining the prior Environmental clearance under EIA Notification 1994, hence violation of EIA Notification. The mining operations were stopped from 14.04. 2018.</p> <p>EAC after detailed deliberation on information submitted and as presented, recommended for the issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):</p> <p>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.</p> <p>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</p>		

	<p>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> <ul style="list-style-type: none"> 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. iv. Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation. v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter 13 in the EIA report by the accredited consultants. vi. 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. vii. 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. viii. One season fresh base line data is to be collected for preparation of EIA/EMP reports. ix. Public Hearing in case of violation cases is mandatory and shall be conducted as the EIA Notification 2006 and as amended thereof. x. 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. xi. 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. xii. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
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	<p>xiii. 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 Report.</p> <p>xiv. Details of benefit accrued during the violation period along with capital cost of the project is to be submitted.</p> <p>xv. Mine plan approved by Indian Bureau of Mines to be submitted.</p> <p>xvi. DGMS permission is to be submitted for blasting at project site, if any.</p> <p>xvii. District Survey Report is to be submitted for minor mineral as per the EIA Notification 2006 as amended thereof.</p> <p>xviii. Submit the details of reclamation for the surrendered forest land (81.62 ha).</p> <p>xix. Compliance of CTO conditions.</p>
24.5.6	<p>Capacity Expansion of Chlorinated paraffin plasticizer and Hydrochloric Acid (By product) Manufacturing Unit at Village DandilaKhurd, Garhwa Road, Tehsil Bishrampur, P.O. Rehla, District palamau, Jharkhand by M/s Manav Chemicals - Further consideration for Terms of Reference</p> <p>[IA/JH/IND2/63794/2017] [F. No. 23-7/2017-IA.III]</p>
24.5.6.1	<p>M/s Manav Chemicals has made online application vide proposal no. IA/JH/IND2/63794/2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
24.5.6.2	<p>Details of the project as per the submission of project proponent:</p> <p>The Project involves manufacturing of Chlorinated paraffin plasticizer and Hydrochloric acid (by product) having production capacity of (70 TPD) 25550 TPA and (140 TPD) 51100 TPA respectively by M/s Manav Chemicals at village- Dandila Khurd, Garhwa Road, Tehsil- Bishrampur, P.O. Rehla, Distt. Palamau (Jharkhand).</p> <p>The said project/activity is covered under category 'A' of item "5(f)" of the Schedule to the EIA Notification, 2006, as the project is located outside industrial area and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.</p> <p>The project was set up in the 2005 for production of Chlorinated paraffin plasticizer 15 TPD (5475 TPA) and Hydrochloric Acid 30 TPD (10950 TPA) after obtaining the NOC from Jharkhand state pollution control board on 16.07.2005.</p> <p>In the year 2010 the production capacity was increased to 30 TPD (10950 TPA) for Chlorinated paraffin plasticizer and 60 TPD (21900 TPA) for Hydrochloric acid after obtaining NOC from Jharkhand state pollution control board vide memo no. 3278 dated 28.07.2010. Latest CTO was valid till 31.12.2016. This is a violation of EIA notification</p>

2006 since this expansion was carried out without obtaining prior Environmental Clearance.

Now company is proposing expansion in production capacity of Chlorinated paraffin plasticizer by 40 TPD and Hydrochloric Acid by 80 TPD. After regularization and proposed expansion the final production capacity of Chlorinated paraffin plasticizer and Hydrochloric acid will become (70 TPD) 25550 TPA & (140 TPD) 51100 TPA.

PP applied for grant of ToR to MOEF&CC on 7th April 2017 under S.O. no. 804(E), dated-14.03.2017. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:-

- **Application for EC was submitted to EAC (Violation) :-**

The project was applied under violation
Applied on 7th April 2017
Accepted on 14th June 2017
Proposal no-(IA/JH/IND2/63794/2017)
File no- 23-7/2017-IA.III

- **Consideration of proposal by EAC (violation) for meeting :-** The proposal was considered in 1st EAC (violation) meeting dated 22nd June 2017 under agenda item no-3.6

- **Technical presentation for TOR :- 22/06/2017**

- **Final Observation of the EAC (violation) :-**

1)- The State Government of Jharkhand to ensure compliance of the directions under section 5 of the EP Act, 1986 issued by MoEF&CC.

2)- The State Government/SPCB shall take action against the project proponent under section 19 of the EP Act, 1986 and further, no Consent to Operate to be issued till the project is granted the EC.

3)- After ensuring the actions at (i) & (ii) above, grant of Terms of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) as enumerated in Annexure-II.

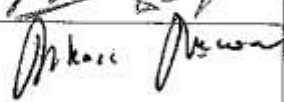
4)- The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

- **Action taken by the MOEF&CC / State Government :-** Credible action has been taken by State Government/SPCB against the project proponent under section 19 of the EP Act, 1986 & Closure Notice has been issued for the Project on 09.04.2019

	<ul style="list-style-type: none"> • Complaint case filed by the MOEF&CC / State Pollution Control Board: - On 09.04.2019 • Further consideration of the proposal by the EAC and recommendations:- Nil • Legal interventions, if any :- Nil <p>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>
24.5.6.3	<p>Observations and recommendations of committee of 1st EAC meeting held on 22nd June, 2017:</p> <p>The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for the following: -</p> <p>(i) The State Government of Jharkhand to ensure compliance of the directions under section 5 of the EP Act, 1986 issued by MoEF&CC.</p> <p>(ii) The State Government/SPCB shall take action against the project proponent under section 19 of the EP Act, 1986 and further, no Consent to Operate to be issued till the project is granted the EC.</p> <p>(iii) After ensuring the actions at (i) & (ii) above, grant of Terms of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) as enumerated in Annexure-II.</p> <p>(iv) 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>
24.5.6.4	<p>Observations and recommendations during the present EAC meeting held on 22nd -24th July 2019:</p> <p>PP along with consultant made the presentation on the information sought in the 1st meeting by the EAC. EAC after detailed deliberation deferred the project for want of following information:</p> <ol style="list-style-type: none"> 1. Latest compliance report of CTO.

	<p>2. Submit the certificate from the State PCB regarding stopping date of the expansion unit i.e 30 TPD (10950 TPA) for Chlorinated paraffin plasticizer and 60 TPD (21900 TPA) for Hydrochloric acid.</p> <p>3. Year wise production details from 2005 to till today.</p>
24.6.1	Discussion on any other items with permission of Chair
24.6.1	<p>Bandla Limestone mining project (M.L. Area 4.96 Ha) of M/s Friends Mineral, located at Mauza Shamah Pamta, Tehsil Paonta Sahib, District Sirmaur, Himachal Pradesh - Further consideration for Terms of Reference</p> <p>[IA/HP/MIN/74337/2018 dated 13.04.2018] [F. No. 23-263/2018-IA.III (V)]</p> <p>Following total excavation details shall be corrected in the 20th EAC minutes of meeting under para 20.4.6.2 (Project description):</p> <p><i>The Proposal of M/s Friends Minerals is for Mining of Lime stone from Bandla Limestone Mine for total Excavation 63, 181 Tonne per annum (TPA) [including 60021 TPA of Limestone and 3160 TPA Waste]</i></p> <p>PP has submitted the revised Form1 application to the Ministry with the above revised total excavation details.</p>

Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 24th meeting held on 22nd – 24th July, 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	 22/7
2.	Dr. G.V. Subrahmanyam	Member	 22/7/19
3.	Dr.A.L. Ramanathan	Member	 24/7
4.	Dr. M.V. Ramana Murthy,	Member	
5.	Shri K Gowarappan	Member	
6.	Dr.Dilip S. Ramteke,	Member	 22/7/19
7.	Dr. Poonam Kumria,	Member	 22.7.19
8.	Dr.Bharat Jain,	Member	
9.	Dr.SubrataMaity,	Member	 22/07-19
10.	Shri Ashok Agrawal	Member	
11.	Shri Raghu Kumar Kodali	Member Secretary	