

Minutes of 20th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 28th-29th March, 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: Thursday, 28th March, 2019

Time: 10:00 AM

20.1. Opening remarks of the Chairman

20.2. Confirmation of the minutes of the 19th meeting held on 25-26 February, 2019 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

20.3. Consideration of proposals

| S.No. | Proposals |
|--------|---|
| 20.1 | <p>Expansion of Selected Dhori Group of mines from 2.25 MTPA to 11 MTPA (peak) in Tehsil Bermo, District Bokaro, Jharkhand by M/s Central Coalfields Limited - Further consideration for Environmental Clearance</p> <p>[IA/JH/CMIN/68525/2017 dated 27.08.2018] [F. No. 23-80/2018-IA.III]</p> |
| 20.1.1 | <p>M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/68525/2017 dated 27.08.2018 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> |
| 20.1.2 | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. The proposal is for consideration of Expansion of Selected Dhori Group of Mines from 2.25 MTPA to 11 MTPA in project area of 264.85 ha of M/s Central Coalfields limited located in villages Turio, Makoli, Tarmi&Gunjardih. The land for project was acquired under Coal Bearing Area (Acquisition and Development) Act, 1957 under S.O. Nos: 717 dt. 13.02.1979, 5162 dt. 25.10.1985 & 3984 dt. 08.12.1989. 2. The project/activity is covered under category A; item I(A) of the Schedule of EIA Notification, 2006. 3. The Environmental Clearance was given to the project for a capacity of 2.25 MTPA by the Ministry on 24th January, 1992. 4. The project was planned for higher capacity of 8.25/11 MTPA in a project area of 264.85 Ha. The mining plan and mine closure plan for the same was approved by CCL Board on 29.12.2017. 5. Public hearing was held on 27.08.2016. 6. Details of Previous EAC: 7. As per the guidelines of MoEF&CC notification vide no: S.O. 804 dt. 14.03.2017, Form I along with brief description of project details was uploaded on 13-09-2017. 8. Selected Dhori Group of Mines was considered in EAC meeting (violation cases) on 21.03.2018. ToR was granted on 29.06.2018 vide F.No. 23-80/2018-IA (III). 9. EIA/EMP as per granted ToR including Damage Assessment Plan and Natural and Community Resource Augmentation Plan was submitted to MoEFCC. 10. Project title, location (plotNo./Village/Tehsil/District):-Selected Dhori Group of Mines(11 MTPA), within project area of 264.85Ha.The project is situated in the eastern part of East Bokaro coalfield and covered on Survey of India Toposheet Map no. 73 I/1 (RF 1:50000).Village: Turio, Makoli, Tarmi & Gunjardih, Tehsil: Bermo, Dist: Bokaro, State: Jharkhand |

Salient features of the project Land use pattern/Total plot area/built up area:-

- Total Project Area is 264.85 Ha. Proposed land use is as given below:-

| Sl. No | Land Use | Area (in Ha) | | |
|--------|--|---------------|--------------|---------------|
| | | Forest | Non-Forest | Total |
| 1 | Quarry | 183.35 | 28.24 | 211.59 |
| 2 | Infrastructure like W/S, Haul Road, Colony etc | 23.50 | 0.00 | 23.50 |
| 3 | Safety Zone | 5.38 | 21.23 | 26.61 |
| 4 | Tisrinallah | 0.00 | 3.15 | 3.15 |
| | Total | 212.23 | 52.62 | 264.85 |

- Total water requirement and its source: -

| Purpose | Peak Demand (m ³ /day) |
|--|-----------------------------------|
| Mine site | Selected Dhori Quarry |
| 1.Mine operation | - |
| 2.Land reclamation | 504 |
| 3.Dust suppression | 756 |
| 4.Drinking | 84 |
| 5.Green belt | 10 |
| 6.CHP | 186 |
| 7.Washerries | - |
| 8.Workshop | 60 |
| 9.Fire service | 371 |
| 10.Others (specify) | - |
| Total (A) | 1,971 |
| B.Township | |
| 1.Green belt | 124 |
| 2.Domestic | 622 |
| 3.Other (Service Building like GM office, Guest house, Hospital, Club, School etc) | 124 |
| Total (B) | 870 |
| Grand Total (A+B) | 2,841 |

- Waste water generation, treatment and disposal

| Type Source / | Quantity of Waste Water Generated (Kilo Litre per Day) | Treatment Capacity (Kilo Litre per Day) | Treatment Method | Mode of Disposal | Quantity of Treated Water Used in Recycling / Reuse (Kilo Litre per Day) | Quantity of Discharged Water (Kilo Litre per Day) |
|--------------------------|--|---|--|-----------------------------|--|---|
| Workshop (including CHP) | 36 | 36 | Effluent treatment Plant with Oil & grease trap, and settling tank | Nala Bund/ Agriculture land | 36 | nil |

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|---------------------------------|-----|--|---------------------------|---------------|-----|----------------|
| Domestic (domestic waste water) | 609 | | Septic tanks with soakpit | Land Disposal | Nil | 365 (Approx .) |
|---------------------------------|-----|--|---------------------------|---------------|-----|----------------|

- Municipal solid waste generated disposal: - The Municipal solid waste is disposed into the worked out quarry and covered with Over burden.
 - Power requirement and source: - The approximate requirement of power is 3.20 MVA. CCL has one regional sub-station at Kargali, where power is received at 33kV from DVC's Bokaro Thermal Power Station and stepped down to 11kV and 3.3kV and distributed to various projects. Selected Dhorri OCP receives power from Kargali Regional sub-station.
 - Proposed energy saving measures: -Office lights will be replaced by LED lights.
 - RWH:- A check dam on tisirallah at an approximate cost of 70 lakh proposed. Roof top rain water harvesting proposed in project office.
 - Car parking:- There is sufficient space available in office premises for passenger vehicles and space in workshop is used for heavy earth moving machines.
 - Investment /Cost of the project:-Rs. 145.81 Cr.
 - Benefits of the project:- This project is a major source for employment in that area. Direct employment to about 1600 and indirect employment to about 2500-3000 persons will be provided. It is required for meeting the demand of coal in country. It also contributes towards regional, state and national economy by means of Govt. taxes like royalty, clean energy cess etc., and development of neighboring villages under CSR programme.
 - Employment potential:- This project is a major source for employment in that area. Direct employment to about 1600 and indirect employment to about 2500-3000 persons will be provided.
 - National Park/ Wild Life Sanctuary in10 km radius:-No
 - Eco-Sensitive Zone in10 km radius area:-No
 - Details of Forest landTotal forest land for the current proposal is 212.23 Ha has been made/applied for mining. The detail of clearance is given below.
143.05 Ha of Forest land has been diverted vide letter no 8-122/90-FC, dt. 01-07-1996.
69.183 Ha of forest land has been diverted vide letter no 8-69/2004-FC, dt. 02-03-2009.
 - Ground water with drawl approval from CGWA:-The application under process
 - For other sources, firm commitment of the water supply :- agencyMajor water requirement for both domestic and industrial activities has been met by the mine discharge.
 - Undertaking to the effect that no activity has since been taken up:- The project has history of fire in coal seams. The fire was visible on the surface in the year 1964. A report to deal with the fire was prepared in February 1997 with the main recommendation of quenching of fire and digging out the same to conserve the blocked coal reserves. As per the report, the only solution of conservation of coal reserves and protection of environment was to excavate the maximum quantity of coal to protect it from propagation of fire in coal seams. Though active fire has been dug out, the symptoms of heating are still there and if production is not done at a faster rate, probability of coal seams catching fire will remain.
 - The mine produced more than EC capacity of 2.25 MTPA from 2001-02 mainly to deal with fire.
11. Appraisal by State Coastal Zone :- NA
 12. Details of earlier EC, if any and compliance there of:- J-11015/4/89-IA.II(M) dated 24.01.92.
 13. Details of earlier appraisal by EAC/SEAC; observation and compliance: - This Project was earlier appraised by EAC (Violation) on 22.03.2018 for the grant of ToR. The EAC recommended for ToR. Subsequently, ToR was granted for Selected Dhorri GoM on 29.06.2018.
 14. EAC was held on 28.08.2018 and EAC has made some observations on EIA EMP and desired to revise the EIA EMP.
 15. The EIA/EMP of Selected Dhorri Group of Mines (11 MTPA) was revised as per the observations made by EAC in its 12th meeting and uploaded to MoEFCC website on 07.01.2019.

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| | <p>16. Baseline data Generation in respect of Air, water and Noise was generated during Post Monsoon 2018 (22.10.2018 to 15.01.2019) as desired by EAC.</p> <p>17. Site inspection by R.O (MoEFCC), Ranchi was conducted on 15.09.2018 and report submitted vide letter no: 103-9/EPE/2695 dt 30.10.2018.</p> <p>18. The EAC has made the site inspection of Selected Dhorri Group of Mines on 19/20.01.2019.</p> <p>19. EAC was held on 29.01.2019 and EAC committee directed to submit additional information along with compliance of conditions specified during site visit.</p> <p>20. Reply of the additional details was submitted on 04.03.2019 on MoEF&CC portal along with compliance report of site visit.</p> <p>21. The project is vital for meeting the coal production program of Coal India Limited of 1 billion tonne and also to prevent the spread of fire and conservation of coal.</p> |
| <p>20.3.1.3</p> | <p>Observations and recommendations of committee of 12th EAC meeting held on held on, 28th-29th August 2018:</p> <p>The EAC during the meeting observed that project proponent has requested vide letter dated 03.08.2018 to the Ministry for amendment in the ToR letter issued on 29.06.2018 regarding waive off Public Hearing (PH) as it was conducted on 27.08.2016 and valid on the date of submission of EIA/EMP report to the Ministry. PP therefore, requested to appraise the project for Environmental clearance considering the earlier Public Hearing.</p> <p>The EAC, noted that PH has been conducted on dated 27.08.2016 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 in the instant case. Hence committee agreed to waive off PH condition in ToR letter issued on 29.06.2018</p> <p>However, committee after detailed presentation made by the PP observed the following shortcomings in the EIA/EMP report, hence recommended to <i>deferred</i> the proposal for want of submission of following information:</p> <ul style="list-style-type: none"> (i) Submission of basic information for EC as per proforma relevant to the coal Sector (ii) Latest certified compliance report from the regional office of MoEF&CC. (iii) Declaration from QCI/NABET consultant in EIA report. (iv) Indexing of all the chapters in EIA/EMP report. (v) Copy of MoU with other accredited laboratory for carrying out base line studies. (vi) Collection of one season (3 months) base line data (vii) Hydrological studies as per GEC 2015 guidelines to be prepared and submitted. (viii) NOC from CGWA for ground water withdrawal. (ix) Revised water balance needs to be prepared and submitted. (x) Copy of stage- I Forest Clearance. (xi) Revised land use plan to be submitted. (xii) Base line health status of villagers within 5 km of lease area. (xiii) Stage wise mining plans to be incorporated in EIA/EMP report. (xiv) Provision of STP for residential colonies and The EIA/EMP shall provide details of compliance to National Building code and other MOEF guidelines related to colony buildings. (xv) Year wise green belt plan to be prepared with cost and type of species. Preferably local species. Compensatory afforestation as per provision of the guidelines of statutory authority to be furnished (xvi) Preparation of damage assessment and remediation plan as chapter 13 in the EIA report and as per notification dated 14/03/2017 including the ecological damage and restoration of the same (xvii) Details of R&R to be incorporated in the EIA/EMP report. |

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| | <p>(xviii) 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>(xix) Revised EIA/EMP to be prepared and submitted by incorporating all the above points and also as per the generic structure of EIA notification,2006.</p> <p>(xx) Certificate of Ground water clearance from CGWA.</p> <p>(xxi) Copy of approved mining plan.</p> <p>(xxii) Filled in FORM-2 along with above points.</p> |
| <p>20.3.1.4</p> | <p>Observations and recommendations of committee of 17th EAC meeting held on held on, 29-31 January, 2019:</p> <p>PP along with the consultant CMPDI, made the detailed presentation on the sought information of the 12thEAC meeting held on held on 28th-29th August 2018. EAC after detailed deliberation on the information submitted and presented by the PP, <i>recommended to defer</i> the proposal for want of submission of following information:</p> <p>(i) Proponent was advised to generate scenario for air quality changes during the violation stage (production increase from 2.25 to 6 MTPA) considering both coal as well as OB excavated from the mine. Consultant was advised to generate scenario for the total excavation, validate the scenario and then rework on quantification of air quality for Violation scenario as well as proposed expansion. AQUIP modelling with calculation sheet and predicted GLC of PM10&PM2.5. for existing 2.25 MTPA and proposed expansion of 11 MTPA coal and 3.08 million of OB.</p> <p>(ii) Water consumption is very high in all the areas and has a lot of scope to reduce and conserve the same.</p> <p>(iii) Discharge water quality and the location to be submitted. (both upstream and downstream analysis)</p> <p>(iv) Points observed during the site visit by the subcommittee is to be addressed.</p> <p>(v) Compliance is to be obtained from regional office MoEF for the noncompliance of existing EC conditions.</p> <p>(vi) Revised water consumption considering controlled measures and the revised colony consumption as per norm shall be submitted with revised water balance.</p> <p>(vii) PM10/PM2.5 values are very high and detailed mitigation measures is to be submitted.</p> <p>(viii) Discharge water quality and the location to be submitted. (both upstream and downstream analysis).</p> <p>(ix) Geological reserve 112.07 MLT whereas mineable reserve 12.31 MLT – please clarify. (Very low MR).</p> <p>(x) Stripping ratio and total OB does not tally.</p> <p>(xi) Submit progressive mine production plan month wise for the first year of 11 million tones and the action plan to achieve</p> <p>(xii) Pre-mining land use under column 20,21,22 and final void under column 11,12,13,14 and OB dumps / internal dumps does not tally (Form 2).</p> <p>(xiii) Green belt has to be considered along Damodar River, water bodies and boundary and surrounding colony hence the plan has to be revised.</p> <p>(xiv) Back filling of 173 hectares with 3.4 MBCM of OB is not clear.</p> <p>(xv) Nearest distance of water body from the mine working shall be submitted in the plan.</p> <p>(xvi) No. of dumps in EIA is mentioned as 2 and in form-2 as 1. Please clarify.</p> |

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| | <p>(xvii) Progressive Stage plan of mining and in-pit filling with cross sections for the first year and second year considering the removal of old dumps also.</p> <p>(xviii) Land use shall be reconciled and resubmitted both pre and post.</p> <p>(xix) Colony area and population detail is to be submitted.</p> <p>(xx) Report of controlled blasting technique and subsequent DGMS approval.</p> <p>(xxi) Refer table 4.6 safety zone nalla sites, railway siding shall also be covered with green belt and plantation and hence revised land use plan shall be submitted.</p> <p>(xxii) Describe alternate mining technology and justify the proposed method.</p> <p>(xxiii) Mostly complaints in public hearing is about dust and plantation and blasting vibration cracks. Please submit the action plan in a tabular form with the budgetary provision.</p> <p>(xxiv) Proof for credible action initiated under section 19 of EP Act.</p> <p>(xxv) The budgetary estimate for damage assessment shall be revised accordingly with a 3-year action plan to be resubmitted on the following points.</p> <ul style="list-style-type: none"> • The Air quality impact prediction should be reassessed for 6.76 MTPA peak production without control measures and remediation shall commensurate with the same should be supported by isopleth and the impact on nearby habitations etc., The predicted values even without considering the OB handling is almost nearing the threshold value in colony and village which needs a dynamic remediation budget. • Damage by surface runoff and effective treatment of mine water sumps have to be reassessed by remediation measures suitably. • ETP has to be redesigned and the damage occurred so far has to be remediated. • Details of STP for the colony with water balance and the budgetary provision commensurate with the population shall be submitted • Details waste treatment and disposal in compliance with SW RULES 2016 shall be submitted. • LULC of the area pre 2000 and present shall be submitted with analysis and remediation accordingly. • Occupational health status needs to be reworked and submitted and the budget for remediation shall be reworked and likewise ecology. • Natural community resource augmentation plan needs to be reworked considering the non-provision of STP, compliance to SW2016 rules and national building code, the damage caused due to dumping solid waste of all categories and their action of covering it in the dumps of the colony needs reassessment remediation budget including energy conservation measures. The budget for provision of the above shall also be submitted. |
| 20.3.1.5 | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant made the detailed presentation on all the queries raised by the EAC in 17th EAC meeting held on 29-31 January, 2019. EAC after detailed deliberation defer the proposal for want of following information:</p> <ol style="list-style-type: none"> (i) Submission of Air Pollution Control Measure at workshop (ii) Submission of existing greenbelt details and proposed revised green belt details. (iii) Submission of revised water balance statement showing present consumption and proposed consumption. (iv) Length of existing toe wall and garland drain constructed and proposed to be constructed. (v) Submission of final mine close plan. (vi) Time bound action plan for noncompliance, partially complied and assure to comply earlier EC condition as per report of RO MOEF&CC. (vii) Details about Economic benefit derived due to violation. |

| | (viii)Submission of revised assessment of ecological damage, remediation plan and natural and community resource augmentation plan. | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|--------|-------------------------------|--------|-------------|-------|---|--------|--------|--------|--------|---|--------------------|-------|-------|-------|--------------------|------|-------|-------|---|-----------------|-------|------|-------|
| 20.3.2 | Expansion of Karo Opencast Coal mining project from 1.50 MTPA (peak) and setting up Karo Washery of 7 MTPA by M/s Central Coalfields Limited in a total area of 552.84 ha, located at villages Karo, Amlo, Kargali & Baid Karo, District Bokaro, Jharkhand - Further consideration for Environmental Clearance [IA/JH/CMIN/74033/2018 dated 27.08.2018] [F. No. 23-69/2018-IA.III] | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.3.2.1 | M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/74033/2018 dated 27.08.2018 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. | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.3.2.2 | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> The proposal is for consideration ofKaroexpansion OCP from 1.5 MTPA to 15 MTPA and Integrated Karo Washery of 7.0 MTPA in the project area of 552.84 Ha of M/s Central Coalfields limited. Project located in the villages Karo, Amlo, Kargali&BaidKaro in District Bokaro (Jharkhand). The land for project was acquired under Coal Bearing Area (Acquisition and Development) Act, 1957 under S.O. No: 944 dt. 24th March, 1984. The project/activity is covered under category A; item I(a) of the Schedule to the EIA Notification, 2006. The Environmental Clearance was given to the project for a capacity of 1.50 MTPA within an area of 226.33 Ha by the Ministry vide letter No.J-11015/544/2009-IA-II(M) dated 24th December, 2014. The project was planned for higher capacity of 11/15 MTPA along with an integrated Karo washery of 7 MTPA in a project area of 552.84 Ha. The mining plan and mine closure plan was approved by CCL board on 10.06.2016. Public hearing was held on 05.01.2016. Details of Previous EAC: 1.50 MTPA within an area of 226.33 Ha by the Ministry vide letter No.J-11015/544/2009-IA-II(M) dated 24th December, 2014. As per the guidelines of MoEF&CC notification vide no: S.O. 804 dt. 14.03.2017, Form I along with brief description of project details was uploaded to MoEFCC. Expansion of Karo OCP and Integrated Washery was considered in EAC meeting (violation cases) on 21.03.2018.ToR was granted on 17.07.2018 vide F.No. 23-69/2018-IA (III). EIA/EMP as per granted ToR including Damage Assessment Plan and Natural and Community Resource Augmentation Plan was submitted to MoEFCC. Project Title, location (Plot No./Village/Tehsil/District) : Karo Expansion OCP(15 MTPA) & Integrated washery (7 MTPA), Plot / Survey / Khasra No. The geological blocks are covered on Survey of India Toposheet Map no. 73E/13. Village- Karo, Amlo, Tehsil- Bermo, District- Bokaro <ul style="list-style-type: none"> Salient features of the project Land use pattern/Total plot area/built up area:- Proposed land use of Core Zone Area: 552.84 Ha. <table border="1"> <thead> <tr> <th>Sl. no</th> <th>Particulars of land (Area Ha)</th> <th>Forest</th> <th>Non- Forest</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Quarry</td> <td>185.07</td> <td>110.68</td> <td>295.75</td> </tr> <tr> <td rowspan="2">2</td> <td>External OB dump-1</td> <td>24.73</td> <td>13.27</td> <td>38.00</td> </tr> <tr> <td>External OB dump-2</td> <td>5.00</td> <td>52.24</td> <td>5 .24</td> </tr> <tr> <td>3</td> <td>Infrastructures</td> <td>36.77</td> <td>8.31</td> <td>45.08</td> </tr> </tbody> </table> | Sl. no | Particulars of land (Area Ha) | Forest | Non- Forest | Total | 1 | Quarry | 185.07 | 110.68 | 295.75 | 2 | External OB dump-1 | 24.73 | 13.27 | 38.00 | External OB dump-2 | 5.00 | 52.24 | 5 .24 | 3 | Infrastructures | 36.77 | 8.31 | 45.08 |
| Sl. no | Particulars of land (Area Ha) | Forest | Non- Forest | Total | | | | | | | | | | | | | | | | | | | | | |
| 1 | Quarry | 185.07 | 110.68 | 295.75 | | | | | | | | | | | | | | | | | | | | | |
| 2 | External OB dump-1 | 24.73 | 13.27 | 38.00 | | | | | | | | | | | | | | | | | | | | | |
| | External OB dump-2 | 5.00 | 52.24 | 5 .24 | | | | | | | | | | | | | | | | | | | | | |
| 3 | Infrastructures | 36.77 | 8.31 | 45.08 | | | | | | | | | | | | | | | | | | | | | |

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|---------------------|--|--------|--------|--------|
| 4 | Road, nala diversion, green belt/vacant land & safety zone | 52.53 | 32.72 | 85.25 |
| 5 | Residential colony* | 0.00 | 5.00 | 5.00 |
| 6 | Conveyer to Kargali Washery/siding * | 7.50 | 19.02 | 26.52 |
| Total Land Required | | 311.60 | 241.24 | 552.84 |

*Land requirement outside core zone

Buffer Zone:

| Classes | | Buffer Zone | |
|------------------|-------------------------------|-------------------------|---------------|
| Level-I | Level-II | Area (Km ²) | % of Total |
| Forest Land | Dense Forest | 66.22 | 14.70 |
| | Open Forest | 48.29 | 10.72 |
| | Total Forest Land | 114.51 | 25.42 |
| | Scrubs | 91.16 | 20.24 |
| Plantation Area | Social Forestry | 5.56 | 1.23 |
| | Plantation on OB | 1.91 | 0.42 |
| | Plantation on Backfill | 2.86 | 0.63 |
| | Total Plantation Area | 10.33 | 2.29 |
| Agriculture Land | Crop land | 51.42 | 11.42 |
| | Fallow Land | 111.69 | 24.80 |
| | Total Agriculture Land | 163.11 | 36.21 |
| Waste Land | Waste Land | 30.86 | 6.85 |
| | Sand Body | 5.63 | 1.25 |
| | Fly Ash Pond | 0.95 | 0.21 |
| | Barren Rocky Land | 0.00 | 0.00 |
| | Total Waste Land | 37.44 | 8.31 |
| Mining Area | Coal Quarry | 4.52 | 1.00 |
| | Barren OB Dump | 4.58 | 1.02 |
| | Back Fill | 2.13 | 0.47 |
| | Coal Dump | 0.63 | 0.14 |
| | Water Filled Qry | 2.24 | 0.50 |
| | Total Mining Area | 14.10 | 3.13 |
| Settlements | Urban Settlements | 6.80 | 1.51 |
| | Rural Settlements | 4.03 | 0.89 |
| | Industrial Settlements | 1.76 | 0.39 |
| | Total Settlement Area | 12.59 | 2.79 |
| Water Body | River/ Ponds | 7.21 | 1.60 |
| | Total Area | 450.45 | 100.00 |

• Total water requirement and its source

| Purpose | Present water Supply of Existing Karo OCP (m ³ /day) | Peak Water Demand of Karo Expansion OCP (m ³ /day) |
|-------------------------|---|---|
| INDUSTRIAL | | |
| HEMM Washing | 230 | 230 |
| CHP/Industrial Premises | 80 | 330 |
| Workshop | 20 | 100 |

| | | |
|-------------------------------|-----|---|
| Fire Service | 160 | 650 |
| Haul Road watering | 240 | 1000 |
| Land Reclamation & Plantation | 70 | 70 |
| Total | 800 | 2380 |
| DOMESTIC (Township) | | |
| Housing | 400 | 405 |
| Service Building | 40 | 40 |
| Process & Loss | 40 | 45 |
| Total | 480 | 490 |
| Washery | | 1590 (to be supplied from GatiNala Check dam) |

Source: Surface / Ground Water / Sea / Others

- **Waste water generation, treatment and disposal**

| Type / Source | Quantity of Waste Water Generated (Kilo Litre per Day) | Treatment Capacity (Kilo Litre per Day) | Treatment Method | Mode of Disposal |
|-------------------------|--|---|--|--|
| Mine discharge | 4700 | 4700 | Settling tank | Re-use for industrial and domestic purposes, and artificial recharge |
| Residential and related | 370 | 370 | Septic tanks with soak pit | Sewage disposal |
| Workshop | 430 | 430 | ETP with Oil and Grease Trap and settling tank | Reuse after treatment |

- **Municipal solid waste generated disposal facility**

| Item | Quantity per Annum | Mode of Disposal |
|------|---|--|
| OB | 90.42 Million m ³ of overburden (OB) will be generated from Karo OCP | 56.26 Million m ³ will be dumped internally (back-filled) and rest (34.13 Million m ³) will be dumped externally covering an area of 95.24 Ha |

- **Power requirement and source:-** 7.5 MVA. The power at 33 kV level will be made available through an overhead transmission line (OHTL) from proposed sub-station of Karo OCP located at a distance of about 0.5 km from the washery site. During construction period, power shall be supplied from the Excavation workshop of Karo OCP, which is at a distance of 0.5 km (approx.) through overhead line.
- **Proposed energy saving measures:** - The project will replace the existing lighting system with LED lights.
- **RWH:** -Check dam on Godonallah constructed at an amount of Rs 72.76 Lakh.

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| | <ul style="list-style-type: none"> • Car parking: - Parking space provided at the project office and pit office for Light and commercial vehicles. Parking space provided at workshop for Heavy Earth Moving Machines. • Investment /Cost of the project: -Rs. 1626.92 crore for Karo Expansion OCP &Rs. 269.88 crore for Karo Washery. • Benefits of the project: -This project has become a major source for both direct and indirect employment in that area. The project has given direct employment to 114 the land losers within the mine lease area as per company's norms. It is required for meeting the demand of coal in country. It also contributes towards regional, state and national economy by means of Govt. taxes like royalty, clean energy cess etc., and development of neighboring villages under CSR programme and generation of direct and indirect employment. As against 311.60 Ha of forest land to be diverted, 317.63 Ha of land in the project area is proposed to be covered with plantation. Additionally, 42.58 Ha of mine void will be converted into water body which will benefit the community. • Employment potential: - This project has helped the local villagers in economic growth by direct and indirect employment. The project has given direct employment to 114 the land losers within the mine lease area as per company's norms. • National Park/ Wild Life Sanctuary in 10km radius:-Nil • Eco-Sensitive Zone in 10 km radius area:- Nil • Details of Forest land :- Forest land- 311.60 Ha including 7.50 Ha in conveyor layout outside core zone. <ul style="list-style-type: none"> ▪ FC granted for 77.43 ha forest land in core zone diverted vide letter number: F.No.8-22/2003- FC Dated 31st March 2004. ▪ FC applied for 226.67 ha forest land in core zone on 9.03.2006. Proposal recommended by MoEF&CC for Stage-I clearance in FAC meeting held on 25.01.2018. ▪ Stage I for diversion of 7.50 Ha. of land for Conveyor to Kargali Washery/ siding is under process. <ol style="list-style-type: none"> 11. EAC was held on 28.08.2018 and EAC has made some observations on EIA EMP and desired to revise the EIA EMP as per observations made. 12. The EIA/EMP of Expansion of Karo OCP and Integrated Washery was revised as per the observations made by EAC and granted Terms of Reference in its 12th meeting held on 28.08.2018 and uploaded to MoEFCC website on 07.01.2019. 13. One Month Baseline data Generation in respect of Air, water and Noise was done during the period (16.09.2018 to 15.10.2018) as desired by EAC. 14. Site inspection by R.O (MoEF&CC), Ranchi was conducted on 15.09.2018 and report submitted vide letter no: 103-477/ROR-2015/2698 dt 02.11.2018. 15. The EAC team has made the site inspection of Karo OCP on 20.01.2019. 16. EAC was held on 29.01.2019 and EAC committee directed to submit additional information along with compliance of conditions specified during site visit. 17. Reply of the additional details was submitted on 25.02.2019 on MoEF&CC portal along with compliance report of site visit. 18. The project is vital for meeting the coal production program of Coal India Limited of 1 billion tonne, construction of coal Washery & supply of beneficiated coal to thermal power plants. |
| 20.3.2.3 | <p>Observations and recommendations of committee of 12th EAC meeting held on held on, 28th-29th August 2018:</p> <p>The EAC during the meeting observed that project proponent (PP) has requested vide letter dated 03.08.2018 to the Ministry for amendment in the ToR letter issued on 17.07.2018 regarding waive off public hearing as it was conducted on 05.01.2016 and valid on the date of submission of EIA/EMP</p> |

report to the Ministry. PP therefore, requested to appraise the project for Environmental clearance considering the earlier Public Hearing.

The EAC, noted that Public Hearing (PH) has been conducted on dated 05.01.2016 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 in the instant case. Hence committee agreed to waive off Public Hearing (PH) condition in ToR letter issued on 17.07.2018

However, committee after detailed presentation made by the PP observed the following shortcomings in the EIA/EMP report, hence recommended to *deferred* the proposal for want of submission of following information:

- (i) Submission of basic information for EC as per proforma relevant to the coal sector
- (ii) Latest certified compliance report from the regional office of MoEF&CC.
- (iii) Declaration from QCI/NABET consultant in EIA report.
- (iv) Indexing of all the chapters in EIA/EMP report.
- (v) Copy of MoU with other accredited laboratory for carrying out base line studies.
- (vi) Validation of base line data with one-month monitoring as data submitted in the EIA is two years old.
- (vii) Hydrological studies as per GEC 2015 guidelines to be prepared and submitted.
- (viii) NOC from CGWA for ground water withdrawal.
- (ix) Revised water balance needs to be prepared and submitted.
- (x) Integrated impact assessment of mine and coal washeries on environmental attributes.
- (xi) Copies of stage- I Forest Clearance.
- (xii) Revised land use plan to be submitted.
- (xiii) Base line health status of villagers within 5 km of lease area.
- (xiv) Stage wise mining plans to be incorporated in EIA/EMP report.
- (xv) Provision of STP for residential colonies.
- (xvi) The colony construction shall comply National Building code, MSW RULES-2016, EC BC-2016, and other MOEF guidelines related to green belt, solar energy, rain water harvesting, etc.
- (xvii) Alternative technology available for coal washing and justification for selecting the present technology and also to submit proposal for reduction of tailings leading to size reduction of ponds and consequent leachate control measures to be detailed in the EIA/EMP.
- (xviii) submit proposal for reduction of tailings leading to size reduction of ponds and consequent leachate control measures to be detailed in the EIA/EMP
- (xix) Year wise green belt plan to be prepared with cost and type of species.
- (xx) Preparation of damage assessment and remediation plan as chapter 13 in the EIA report as per notification dated 14/03/2017.
- (xxi) Details of R&R to be incorporated in the EIA/EMP report.
- (xxii) Certificate of Ground water clearance from CGWA for mining operations and also permission from concerned authority for utilization water from Gati Nala Check dam for washeries.
- (xxiii) 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.
- (xxiv) Revised EIA/EMP to be prepared and submitted by incorporating all the above points and also as per the generic structure of EIA notification, 2006.

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| | <p>(xxv) Copy of approved mining plan (xxvi) Filled in Form-2 along with above information.</p> |
| <p>20.3.2.4</p> | <p>Observations and recommendations of committee of 17th EAC meeting held on held on, 29-31 January, 2019:</p> <p>PP along with the consultant CMPDI, made the detailed presentation on the sought information of the 12th EAC meeting held on held on 28th-29th August 2018. EAC after detailed deliberation on the information submitted and presented by the PP, recommended to <i>defer</i> the proposal for want of submission of following information:</p> <ol style="list-style-type: none"> 1. Proponent was advised to generate scenario for air quality changes during the violation stage considering both coal as well as OB excavated from the mine. Consultant was advised to generate scenario for the total excavation, validate the scenario and then rework on quantification of air quality for Violation scenario as well as proposed expansion. 2. Points observed during the site visit by the subcommittee is to be addressed. 3. Impact of Karo Nallah diversion on catchment area and its discharge in River. 4. Water quality of Karo Nallah and its impact on River water quality after discharge River stretch for its quality from upstream to downstream from discharge point of Karo nallah with river should be monitored. 5. Air quality modelling for complete expansion including waste is to be reworked by PP including prediction of impact with and without control measures. 6. Permission from CGWA and statutory authority for drawl GW as well as Surface water from the river is to be obtained. 7. Compliance is to be obtained from Regional office MoEF for existing noncompliance of EC conditions. 8. Details of water requirement under column 15 and waste water management under column 16 does not clearly tally (Form 2). 9. Pre mining land use and post mining land use under 20,21 & 22 shall be clarified especially difference between private land and revenue land and govt. land. Present status of R&R (Form 2). 10. Geological reserves not mentioned (Form 2). 11. Final void under column 12 & 16 should be reconciled (Form 2). 12. Pros and Cons of alternative mining technology shall be enumerated and submitted. 13. Pros and cons of alternative technology for coal beneficiation and the advantages of the selected technology over others. 14. Submit Monthly production plan for the first 5 years how it can be achieved to the peak of 15MTPA since the expansion is a 10 fold increase. 15. The rectification plan for the existing workings shall be submitted. 16. The diversion and beautification of Karo nalla with design details and the protective measures shall be submitted. 17. Relocation of Karo Pond to other place with all the features like site selection criteria and the construction details including water treatment details shall be submitted. 18. The present community Karo pond is in a highly polluted stage and the plan for immediate remediation shall be submitted with budgetary estimate. 19. Controlled blasting technique with DGMS approval shall be submitted since habitation are in close proximity. |

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| | <p>20. Provision of Suitable STP and solid waste management for the colony with zero waste concept with budgetary estimates shall be submitted besides compliance to national building code and ECBC 2007.</p> <p>21. Improving catch drains, Toe drains and walls shall be with proper construction and periodical desilting program shall be submitted.</p> <p>22. Slope stability study report for the dumps and as well as the quarry shall be submitted.</p> <p>23. Proof for credible action initiated under section 19 of EP Act</p> <p>24. The budgetary estimate of damage assessment shall be revised accordingly with a 3-year action plan to be resubmitted on the following points:</p> <ul style="list-style-type: none"> • Cost of damage assessment proposed by PP, must not include EMP cost. PP is advised to properly revise budget for damage assessment by rearranging the environmental components (ecology, soil management, dust control, dump management etc.). • Damage Assessment and Remediation: The Air impact assessment shall consider handling of OB, infill dumping apart from peak production of 1.95 MTPA coal reworked and submitted without and with control measures and remediation towards without control measures. • LULC analysis pre and post mining and the remediation plan. • Damage and relevant remediation budget calculation for utilization of surface and ground water without approval so far during the violation period with quantity • Community and natural resources augmentation plan shall be revised accordingly. |
| <p>20.3.2.5</p> | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant made the detailed presentation on all the queries raised by the EAC in 17th EAC meeting held on 29-31 January, 2019. EAC after detailed deliberation recommended to defer the proposal for want of following information:</p> <ol style="list-style-type: none"> (i) Submission of Control of Measure to bring the air quality within stipulated standards. (ii) Status of Stage-I Forest Clearance for diversion of 7.50 Ha of land for conveyer belt. (iii) Submission of Minutes of Stage-I Forest Clearance regarding the said proposal involves inclusion of coal Washery land also. (iv) Length of existing of toe wall and garland drain constructed and proposed to be constructed. (v) Submission of Details Energy Conservation measures and use of Solar Power. (vi) Submission of Declaration. (vii) Time bound action plan for noncompliance, partially complied and assure to complied earlier EC condition as per report of RO MOEF&CC. (viii) Details about Economic benefit derived due to violation. (ix) Submission of revised assessment of ecological damage, remediation plan and natural and community resource augmentation plan |
| <p>20.3.3</p> | <p>Setting up LPG storage with bottling facility by M/s Indian Oil Corporation Limited (IOCL) at S.F. Nos. B37/pt to B43/pt, B50/pt, B51/pt, C30 to 41 etc, at SIPCOT Industrial Growth Centre, Village Gangaikondan, Taluk & District Tirunelveli (Tamil Nadu) - Further consideration for Environmental Clearance</p> <p>[IA/TN/IND2/91262/2018 dated 11.01.2020] [F. No. 23-86/2018-IA.III (V)]</p> |
| <p>20.3.3.1</p> | <p>M/s Indian Oil Corporation Limited (IOCL) has made online application vide proposal no. IA/TN/IND2/91262/2018 dated 11.01.2020 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under item 6(b) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p> |
| <p>20.3.3.2</p> | <p>Details of the project as per the submission of project proponent:</p> |

1. Project title, location (plot No. / Village / Tehsil / District):- Setting up LPG storage with bottling facility by M/s Indian Oil Corporation Limited (IOCL) at S.F Nos. B37/pt to B43/pt, B50/pt, B51/pt, C30 to C41 at SIPCOT Industrial Growth Centre, Village Gangaikondan, Taluk & District Tirunelveli, Tamil Nadu.
2. Salient features of the project
 - Land Use – The total area occupied by bulk LPG storage & bottling facility is approx. 42 Acres and has been leased to M/s Indian Oil Corporation Ltd by SIPCOT Industrial Growth Centre – Gangaikondan.
 - Total water requirement and its source :- Total fresh water requirement is 4m³/day will be met from SIPCOT Industrial Growth Centre, Gangaikondan village.
 - Waste water generation, treatment and disposal: - No Effluent will be generated as it is a LPG storage and distribution facility. Washing water generated from cylinder washing will be diverted to sedimentation traps and clarified waste water will be reused for cylinder washing. 2.4 KLD sewage will be generated, which will be disposed through septic tanks & soak pits.
 - Municipal solid waste generated disposal facility
 - Power requirement and source :- Power requirement for the plant will be 450 kVA and will be met from Tamil Nadu State Electricity Board (TNEB). The unit has 2 DG sets of 750kVA & 250kVA capacities, will be used as standby during power failure.
 - Proposed energy saving measures:- In order to harvest Solar Energy, roof top 30 kWp solar PV panels have been installed. Additionally, all conventional light fittings have been replaced with LED light fittings to reduce energy consumption. An investment of Rs. 52,29,000/- has been made under these Natural Augmentation Plans.
 - RWH :- Storm water drains are provided all along the boundary and adjacent to internal roads and connected to RWH system. Sizes of rain water harvesting tanks are 2 X 4 m with depth of 5 m (2 on-site & 1 truck parking area) and have been filled with brick bats to collect the water in case of heavy rain.
 - Car parking:- Truck parking area is 6.7 Acres.
 - Investment/Cost of the project :- The total project cost is Rs 78.58 crores.
 - Benefits of the project:- This LPG plant operation will help to fulfil the rising demand of LPG and implementation of the Government of India scheme, such as "*Pradhan Mantri Ujjwala Yojana*". Tamil Nadu was having LPG penetration of 84 percent when the project started. With operation of this Plant will increase the percentage further. Instead of other fossil fuels such as wood, coal, diesel and furnace oil etc., LPG can be used as an alternative to protect the environment by reduction of greenhouse gas emissions.
 - Employment potential:- About 50 numbers of local skilled, semi-skilled and unskilled labourers got employment during the construction period. During operational phase, about 60 local people will get direct and more than 200 people will get indirect employment opportunity.
3. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- 6(b) under Category (A)
4. Why appraisal/ approval is required at the Central level:- Due to the applicability of general conditions (Notified Wildlife Sanctuary located within 5 km radius from project site).
5. National Park/ Wild Life Sanctuary in 10 km radius area:- Gangaikondan Spotted Deer Sanctuary at a distance of 0.92 km.
6. Eco-Sensitive Zone in 10 km radius area:- None
7. Details of Forest land involved, if any:- None

8. ToR Details:- The project proposal was considered by the Expert Appraisal Committee (Industry-2) in its 6th meeting held during 19-20 April, 2018 and recommended Terms of References (ToR) for the Project. The ToR has been issued by Ministry vide F.NO. 23-86/2018-IA.III (V) dated 21st May, 2018.

9. Details of Public Hearing and main issues raised / response of the PP:- Public Hearing for the project has been conducted by the Tamil Nadu State Pollution Control Board on 14.12.2018 at Meeting Hall, 2nd floor, District Collectorate, Kokkirakulam, Tirunelveli – 627009. The main issues raised during the public hearing are related to employment opportunities and demand of LPG Cylinder for household and commercial purposes/supplies.

10. Land use planning:-

| S. No. | Land use/ | Area |
|-------------------|-----------------------------|-----------|
| 1. | Plant building area | 1.73 |
| 2. | Non-plant building area | 2.26 |
| 3. | LPG Storage area | 0.8 |
| 4. | Truck Parking Area | 6.7 |
| 5. | Driveway & pathway area | 1.48 |
| 6. | Future expansion area | 8 |
| 7. | Green belt development area | 13.86 |
| 8. | Open area | 7.17 |
| Total Area | | 42 |

11. Ground water withdrawal approval from CGWA:- NA

12. For other sources, firm commitment of the water supply agency:- Water requirement for the plant operation is sourced through SIPCOT industrial growth centre. The lease deed agreement was signed by including the water supply system.

13. Undertaking to the effect that no activity has since been taken up:- This project attracts Violation Notification S.O.804 (E) dated 14.03.2017. The plant was commissioned without obtaining prior environmental clearance.

14. Appraisal by State Coastal Zone Management Authority (SCZMA):- NA.

15. Details of earlier EC, if any and compliance thereof: - Nil

16. Details of earlier appraisal by EAC / SEAC; observation and compliance:- Apprised on 18th meeting of EAC for violation Proposals dt 15.02.2019. All observations by EAC were compiled and Reply submitted.

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| <p>20.3.3.3</p> | <p>Observations and recommendations of committee of 18th EAC meeting held on held on, 15th February, 2019:</p> <p>The Project Proponent and the accredited Consultant M/s. ABC Techno Labs India Pvt. Ltd. made a detailed presentation on the salient features of the project. EAC based on the information submitted and as presented by the PP, <i>deferred</i> the proposal for want of following information:</p> <ul style="list-style-type: none"> (i) Latest status of Wildlife Clearance as Gangaikondan Spotted Deer Sanctuary located is located at a distance of 0.92 KM from the project site. (ii) Submit the public hearing issues raised and commitment made by PP in tabular form with time bound action plan (iii) Justification for higher noise level, proper mitigation to reduce the same is to be submitted. (iv) Fifteen days' base line data for all the environmental attributes near to the proposed site is to be submitted in compliance with CPCB guidelines as suggested by the EAC. (v) Location of sampling station on the topo sheet for air, water, noise and soil is to be submitted. (vi) Submission of details of flora and fauna with schedule numbers. (vii) Submission of air quality impact prediction modeling with ground level concentration at each station by considering vehicular emission, construction activity involving impacts all the relevant activities during construction. (viii) Proof of credible action is to be submitted. (ix) Revised EMP cost is to be prepared and submitted. (x) Safety aspects need to be revisited as far as risk assessment with risk curves due to inadvertent failures and explosions super imposed over the project site and SOP for different situations of failures in the plant and machinery and tankers. (xi) Revised damage assessment, remediation plan, natural and community resources documentation plan as suggested by the EAC is to be prepared and submitted considering all the ecological attributes during construction and operation and with GLC of AAQ impact assessment with and without control measures during operation. (xii) Corporate Environment Responsibility (CER) to be prepared as per the Ministry O.M dated 01.05.2018. (xiii) Revised green belt plan for additional 6700 trees need to be prepared and submitted. (xiv) Revised EIA/EMP is to be submitted as per the generic structure. (xv) Pollution load (Air & Noise) exerted due to vehicular transportation during LPG gas filling. (xvi) Impact due to parking of LPG transport vehicles on the vicinity of the project site. (xvii) Impact due to spillages of LPG during transportation on soil and water. (xviii) Facilities are to be provided for the manpower involved on the LPG transport vehicles for their stay at parking place and their impact on the surroundings. |
| <p>20.3.3.4</p> | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant, made the detailed presentation on the information sought in the 18th EAC meeting held on 15th February 2019. The Committee after detailed deliberations, sought the following additional information:</p> <ol style="list-style-type: none"> 1. Submission of revised SOPs for handling different accidental situations including vehicle break down and machineries in the plant are to be submitted. 2. Revised damage assessment, remediation plan, natural and community resources augmentation plan as suggested by the EAC is to be prepared and submitted considering all |

- the ecological attributes during construction and operation phase.
3. Revised CER to be prepared as per the Ministry's OM dated 01.05.2018 for the next five years.
 4. Revised EMP cost is to be submitted.

EAC advised PP to submit the reply on above observations before the committee on 29th March, 2019. The project proponent on the advice of the committee provided the above required information and present before the EAC on 29th March, 2019.

Based on the information furnished by the project proponent, the Committee **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 Rs 1,60,32,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

➤ Remediation plan & budgetary provisions

| Particulars | Revised Budget Allocation |
|----------------------------|---|
| Air Environment | <ol style="list-style-type: none"> 1. Regular monitoring of ambient air quality near sensitive area and site (once in 3 months) - Air Quality monitoring (@Rs. 8000 per season x 4 for 2 years samples i.e. Rs. 32000 x 2 locations = Rs. 64000). 2. Creating awareness and distributing brochures on vehicular emissions and its air pollution – Rs 50,000. 3. Vehicle Check up camp @ Rs 20,000 per camp and Rs 40,000 Annual. <p>Total contribution cost for Air Environment Rs 1,54,000/-</p> |
| Water Environment | <ol style="list-style-type: none"> 1. Rs 1,00,000 for restoration of abandoned wells 2. RS 5,00,000 Rain Water storage Tank 2 @ plant for (Rs 2,50,000 x 2 nos.) 3. Community water Management (Rs, 27,00,000) <p>Total contribution cost for Water Environment Rs 33,00,000/-</p> |
| Noise Environment | <ol style="list-style-type: none"> 1. Proposal to more trees in the bottling plant and vicinity. Rs 6,70,000 2. Gardener for planting & maintenance Rs. 1,20,000/-. <p>Total contribution cost for Noise Environment Rs 7,90,000/-</p> |
| Socio economic Environment | <ol style="list-style-type: none"> 1. Toilet facility for nearby villages under swatch Bharat Plan - Rs 10,00,000/- 2. Drinking water facility - Rs.1,00,000/- <p>Total contribution cost for Socio Environment Rs 11,00,000/-</p> |
| Ecological Environment | <ol style="list-style-type: none"> 1. Water storage pond within the nearest Reserve Forest, Our unit will render financial assistance based on the District Forest Administration estimate. - Rs, 11,00,000 /- 2. Awareness campaign on wildlife protection act for the nearby villages - Rs 2,00,000 3. Biodiversity Monitoring - Rs 2,00,000 4. Afforestation - Rs 10,00,000 <p>Total contribution cost for Ecological Environment Rs 25,00,000/-</p> |

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| Land Environment | <p>1. To improve the soil fertility, food and degradable waste inside the plant will be composted and used as Manure - Rs. 6,00,000</p> <p>2. Distribution of leaflets (Rs 20,000) and MS bins (Rs.5000 X 50 Nos.= 2,50,000) for proper segregation of waste at the source and to protect the Land Environment – Rs. 2,70,000/-</p> <p>Total contribution cost for Land Environment Rs 8,70,000/-</p> |
| | Total budget for remediation plan : Rs 87,14,000/- |

➤ Year wise implementation of Remediation plan with budgetary provisions

| S.No | Activity | I Yr | II Yr | III Yr | Total (Rs.) |
|---------------------|--|-------------------------------------|-----------|-----------|--------------------|
| | | Cost breakup during operation Phase | | | |
| 1 | Remediation Measures on Air Environment | 50,000 | 50,000 | 54,000 | 1,54,000 |
| 2 | Remediation Measures on Water Environment | 10,00,000 | 11,00,000 | 12,00,000 | 33,00,000 |
| 3 | Remediation Measures on Noise Environment | 2,60,000 | 2,60,000 | 2,70,000 | 7,90,000 |
| 4 | Remediation Measures on Ecological Environment | 4,00,000 | 3,50,000 | 3,50,000 | 11,00,000 |
| 5 | Remediation Measures on Socio economic Environment | 8,50,000 | 8,50,000 | 8,00,000 | 25,00,000 |
| 6 | Remediation Measures on Land Environment | 2,90,000 | 2,90,000 | 2,90,000 | 8,70,000 |
| Total budget | | | | | 87,14,000/- |

➤ Natural Resource Augmentation Plan

| Activity | Cost breakup during operation Phase | | | Total Budget |
|--|-------------------------------------|----------|-----------|--------------|
| | I Yr | II Yr | III Yr | |
| Planting of more trees of native species are proposed to be planted in consultation with District Forest Officials at the bottling plant and nearby areas. | 3,18,000 | 3,00,000 | 3,00,000 | 9,18,000 |
| Additionally two Rain water harvesting bore well are proposed to be installed to maximize rain water harvesting potential. | 7,00,000 | 7,00,000 | 10,00,000 | 24,00,000 |

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| Total (Rs) | 33,18,000 |
|-------------------|------------------|

➤ **Community Resources Augmentation Plan**

| Activity | Cost breakup during operation Phase | | | Total Budget (Rs) |
|--|-------------------------------------|-----------|-----------|-------------------|
| | I Yr | II Yr | III Yr | |
| Community Resources Augmentation schemes to be finalised in consultation with District/ Government Authorities | 10,00,000 | 15,00,000 | 15,00,000 | 40,00,000 |
| Total | | | | 40,00,000 |

➤ **Summary of Remediation Plan & Natural and Community Resource Augmentation Plan**

| S.No | Cost Break Up | Amount (Rs) | | | |
|--------------|---|--------------------------|-----------|-----------|-----------|
| | | I Yr | II Yr | III Yr | Total |
| 1 | Cost proposed on Remediation plan | 28,50,000 | 29,00,000 | 29,64,000 | 87,14,000 |
| 2 | Cost proposed on Natural Resource Augmentation Plan | 10,18,000 | 10,00,000 | 13,00,000 | 33,18,000 |
| 3 | Cost proposed on Community Resource Augmentation Plan | 10,00,000 | 15,00,000 | 15,00,000 | 40,00,000 |
| Total | | Rs. 1,60,32,000/- | | | |

- I. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 1,60,32,000/-**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 1, 60, 32,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- II. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- III. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 1,60,00,000/-
- IV. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- V. The PP shall 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 to the MoEF&CC prior to the grant of EC.
- VI. Wildlife clearance is to be obtained from NBWL.
- VII. Any other specific conditions (Comments from EAC members)

20.3.4

Proposed expansion of M/s Shogun Organics Ltd at Plot No. D-18, MIDC Kurkumbh, Taluka Daund, District Pune (Maharashtra) by M/s Shogun Organics Limited - Further consideration for Environmental Clearance

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|--------------------------|---|------------------------|-----------------|-----------------|--------------|--------------------------|----------|----|--------|------------------------|---------|------|----------|
| | [IA/MH/IND2/64652/2017 dated 09.04.2018] [F. No. J-11011/241/2017-IA-II(I)] | | | | | | | | | | | | |
| 20.3.4.1 | M/s Shogun Organics Ltd has made online application vide proposal no. IA/MH/IND2/64652/2017 dated 09.04.2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under Schedule 5 (b) of the EIA Notification, 2006 and the proposal was appraised at Central level.. | | | | | | | | | | | | |
| 20.3.4.2 | <p>Details of the project as per the submission of project proponent:</p> <p>1. Project title, location (plot No./ Village/ Tehsil/ District): Environmental Clearance For Expansion of M/s Shogun Organics Ltd. located at Plot no D- 18, Kurkumbh MIDC, TalukaDaund, District Pune, Maharashtra.</p> <p>2. Salient features of the project: The project is located in Notified Industrial Area, MIDC Kurkumbh.</p> <ul style="list-style-type: none"> • Land use pattern/ Total plot area/ built up area: <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-left: 20px;">○ Area in sq.m.</td> <td style="padding-left: 20px;">Existing</td> <td style="padding-left: 20px;">Proposed</td> <td style="padding-left: 20px;">Total</td> </tr> <tr> <td>○ Total Plot Area</td> <td>1,06,384</td> <td>--</td> <td>106384</td> </tr> <tr> <td>○ Built-up Area</td> <td>9048.82</td> <td>3375</td> <td>12423.82</td> </tr> </table> • Total water requirement and its source <ul style="list-style-type: none"> ○ Source of water – MIDC Kurkumbh. ○ Water requirement: Existing – 13.8 CMD ○ Proposed – 48.63 CMD ○ Total – 62.43 CMD. • Wastewater generation, treatment and disposal <p>Effluent The sewage effluent will be treated in an STP of 6 CMD capacity. The treated effluent will be used for gardening and the sludge will be used as a manure for developing the green belt.</p> <p>The industrial effluent will be totally recycled and it will be Zero Liquid Discharge system, wherein the entire treated effluent will be reused for cooling tower make-up.</p> <p>The effluent will be treated in an ETP having capacity of 18 CMD. The ETP comprises of aeration tank followed by evaporator with centrifuge. The distillate from the evaporator will be sent through sand filter followed by carbon filter.</p> <p>The residue from the centrifuge will be disposed through CHWTSDF, Ranjangaon.</p> • Municipal solid waste generated disposal facility: The municipal waste will be disposed through local municipal facility. • Power requirement and source: - Source – MSEDCL, Existing – 95 KW, Proposed – 130 KW, Total - 225 KW • Proposed energy saving measures: - There are total 82 street lights in factory plot. Each street light is with 36 Watt LED. • RWH:- Roof top rain water harvesting has been provided over a roof top area of 1106 sq. m., a dedicated RWH tank of 100m³ capacity has been provided. • Car parking: - Area of about 10638 sq. m will be dedicated as parking area. • Investment/Cost of the project:- Existing Cost – 8.85 Crores, Proposed cost – 5.65 Crores Total Cost – 14.5 Crores • Benefits of the project:- 1) The plant is located at Notified Industrial Area & the proposed activity being executed within the existing premises, no human displacement or habitat loss is envisaged. 2) Improvement in locale specific socio-economic aspects. | ○ Area in sq.m. | Existing | Proposed | Total | ○ Total Plot Area | 1,06,384 | -- | 106384 | ○ Built-up Area | 9048.82 | 3375 | 12423.82 |
| ○ Area in sq.m. | Existing | Proposed | Total | | | | | | | | | | |
| ○ Total Plot Area | 1,06,384 | -- | 106384 | | | | | | | | | | |
| ○ Built-up Area | 9048.82 | 3375 | 12423.82 | | | | | | | | | | |

- 3) It will help in improving the infrastructural facilities
- 4) Company will employ around 68 number of persons. The company would try to employ the local people under skilled workers and worker section to boost the economic condition of the surrounding area.
- 5) Under CER activities the company will focus on locale specific aspects such as education & skill development, Health awareness to the people, water and sanitation and various social activities.

Education & Skill development:

- Provisions of uniform, books, and stationary, necessary equipments etc, to the schools of nearby areas.
- Conduction of trainings for youth & women empowerment.

Health Awareness:

- Organize free medical checkup camp for the villagers
 - Health Awareness campaigns will be organized.
- 6) The project will also contribute in increase in revenue in form of various taxes which will be paid to government time to time. Company will also export their products to other country that also can be benefitted to the country by increase in revenue generated from taxes
 - 7) The CER activities planned by company can be considerably very beneficial for health, education, development of village and poor people etc.

Thus a significant benefit to the socio-economic environment is likely to be created due to the expansion project and the project will help in developing the national income

- **Employment potential: - Existing – 27, Proposed – 41, Total – 68**

3. Project/ activity covered under item of Schedule to the EIA Notification, 2006:- The project is covered under Schedule ‘5 (b)’, Category – ‘A’ of the EIA Notification, 2006.

4. Why appraisal /approval is required at the Central level :- The project is covered under Schedule ‘5 (b)’, Category – ‘A’ of the EIA Notification, 2006. As stated in the Section 4 (ii) of the EIA Notification, 2006, “ *All projects or activities included as Category ‘A’ in the Schedule, including expansion and modernization of existing projects or activities and change in product mix, shall require prior environmental clearance from the Central Government in the Ministry of Environment and Forests (MoEF) on the recommendations of an Expert Appraisal Committee (EAC)*” to be constituted by the Central Government for the purposes of this notification;”

5. National Park/ Wild Life Sanctuary in 10 km radius area:- There are no National Parks and Wildlife Sanctuaries within 10 km radial distance from the project site.

6. Eco-Sensitive Zone in 10 km radius area :- There are no Eco – Sensitive zones within 10 km radial distance from the project site.

7. Details of Forest land involved, if any:- It is not a forest land. The project is located in a notified Industrial Area, Kurkumbh MIDC. The land has been purchased by M/s Shogun Organics Ltd. from MIDC, Kurkumbh.

8. ToR Details:- ToR granted by MoEF under violation vide letter no – F. No J-11011/241/2007-IA II (I) dated 23rd January, 2018.

9. Details of public hearing and main issues raised / response to the PP :- The Public Hearing was carried out on 5th September, 2018 at site premises of M/s Shogun Organics Ltd at Plot no – D/18, MIDC Kurkumbh, Taluka – Daund, District – Pune.

10. Ground water withdrawal approval from CGWA :- Ground water will be not exploited for the said project.

11. For other sources, firm commitment of the water supply agency:- Water will be obtained from MIDC, Kurkumbh. Letter has been obtained from MIDC, Kurkumbh for providing the required quantity of water.

12. Undertaking to the effect that no activity has since been taken up:- Undertaking mentioning the same has been obtained.

13. Appraisal by State Coastal Zone Management Authority (SCZMA): Not Applicable

14. Details of earlier E.C :- Not Applicable

15. Details of earlier appraisal by EAC; observation and compliance:- 6th reconstituted expert appraisal committee (industry) held during 5th March, 2013 – 7th March, 2013.

MoM – ToR granted for M/s Shogun Organics Ltd.

1st Expert Appraisal Committee meeting dated 30-11-2015 to 01-12-2015.

MoM - The project will be considered for taking action as per Ministry's O. M no. J-11013/41/2006-IA II (I) dated 12th December, 2012 and 27th June, 2013.

6th Expert Appraisal Committee (Industry-2) Meeting held during 30th March to 2nd April 2016.

MoM - PP has again requested for amendment in TOR. The Committee was of the view that proposal shall be considered on merit of the case after finalization of procedure registered for violation.

EAC meeting for cases with respect to violation of EIA Notification.

ToR was granted under violation cases of EIA Notification.

6th expert appraisal committee (Violation) held during 19th – 20th April, 2018.

MoM – Case deferred for submission of EIA report.

7th expert appraisal committee (Violation) held during 17th – 18th May, 2018.

MoM – Case was deferred for conducting Public hearing and for submission of additional information. The compliances of the same were done, PH was carried out on 5th September, 2018, the MoM of PH and the reply of the project proponent along with the additional information sought by EAC was uploaded on the portal.

15th expert appraisal committee (Violation) held during 27-29th November, 2018

Case was deferred for submission for additional documents and information.

17th meeting of EAC, (Violation Cases) held on 29th – 31st January, 2018.

Case was deferred for submission for additional documents and information.

20.3.4.3**Observations and recommendations of committee of 7th EAC meeting held on held on 17th - 18th May 2018:**

Above proposal was considered in 7th meeting held during 18.05.2018 wherein After detailed deliberations on the technical and public hearing issues, the EAC recommended the following:

Public hearing:

The committee noted that proposed project is located in the notified Industrial area. As per EIA notification 2006, the activities/projects located in the notified industrial areas are exempted from public hearing. However, the present proposal has been established as violation case. All such violation cases are required to undergo public hearing as per the orders of Hon'ble High court of Madras dated 13.10.2017 in WP NO.11189 of 2017 titled "Puducherry Environmental Protection Association Vs Union of India even though they are located in notified industrial areas. The committee also noted that as per the orders of Hon'ble High court of Madras dated 14.03.2018 W.M.P NoS.3361AND 3362 of 2018 and W.M.P.No 3721 of in WP NO.11189 of 2017, the public hearing in respect of category 8(a) only exempted as under ; "24 In this view of this matter, considering that sub-clause (i) (d) of stage iii of paragraph 7(i) of parent notification as contained in item No. 8(a) of the schedule being housing projects, we deem it necessary to clarify that projects and project proponents falling under this category alone shall be governed by the 'public consultation' clause in the parent notification." In view of the above observations the committee recommended that M/s Shogun Organics Ltd. is required to undertake public hearing as per the provisions EIA notification, 2006.

The committee has sought the following additional information:

1. Risk assessment should be made covering entire inventory, part inventory for Toxic and Fire hazards per the damage anticipated in case of solvent used for the reaction for products manufacturing and storage related.
2. Disaster management plan covering mitigation measures, sensor deployment, automatic control machines to shut the inventory as well as process in case of indication of toxic leakages.
3. Proper safety and disaster management plan should be prepared to avoid any catastrophic effect.
4. Revised water balance.
5. Green belt development plan.
6. Worst case scenario related to the Air and Water should be given in case of reactor failure or damage done for the reactor.
7. Toxicity test (bio assay) is required for the treated effluent.
8. Analytical data related to surface & groundwater was found to be not up to the mark: Ionic balance was not matching.
9. Soil analysis data to be rechecked (related to texture & CEC).
10. Impacts and the Mitigation of impacts of project activities during construction and operation on the above components, for which the study has been conducted, to be included separately in specific chapter/s;
12. Positive and Negative (if any) aspects of the project/project activities need to be assessed and included specifically in Conclusion;
13. Impacts of the project due to 'Violation' to be assessed/narrated qualitatively and quantitatively and financial analysis/assessment/commitment with Budgetary provisions to be included separately.
14. Details of damage assessment, remediation plan and natural and community resource augmentation plan along with budgetary requirement.
15. The details of Corporate Environment Responsibility (CER) as per ministry's office memorandum F.No. 22-65/2017-IA.III dated 1st May, 2018 based on the issues raised during the public hearing and

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| | also issues emerged during the social impact assessment studies along with time bound action plan and budgetary requirement. |
| 20.3.4.4 | <p>Observations and recommendations of committee of 15th EAC meeting held on held on 27th-29th November, 2018:</p> <p>The project proponent along with the consultant made a detailed presentation on the additional information sought during the last 7th EAC meeting held on 18.05.2018. The Committee after detailed deliberations deferred the proposal and sought the following additional information:</p> <p>(i) The response of the project proponent to the issues raised during the public hearing should be replied appropriately and to be resubmitted and the same should be reflected in the chapter of the Environment Management Plan of Environment Impact Assessment.</p> <p>(ii) Revised CER based on the issues raised during the public hearing and emerged in the social impact assessment covering the activities, timelines and budgetary requirement should be submitted.</p> <p>(iii) The Risk Assessment report with Risk Curve in the event of explosion/accident of the inventory of Toxic and Hazardous chemicals as per the DOW index summary sheet. (iv)</p> <p>(iv) NOC from MIDC for the additional water requirements.</p> <p>(v) Certificate of acceptance by MIDC for accommodating the effluent discharge during emergency.</p> <p>(vi) The coverage of green belt and plantation shall be to the extent of 33% of the total plot area against the proposed green belt of 11,825 sqm area. The density of the plant to be increased as per the guidelines of the Ministry. Selection of the Trees/Plant as per the CPCB guidelines.</p> <p>(vii) Detailed consequences and the action plan in case of reactor failure or damage/worst case scenario (SOPs).</p> <p>(viii) Toxicity test report (bioassay test) of the treated effluent.</p> <p>(ix) Analytical data related to surface and ground water and soil.</p> <p>(x) The ecological impacts, mitigation and the remediation measures during construction/operation phase furnished by the PP is found to be inadequate in the following:</p> <ol style="list-style-type: none"> a. Assessment of air pollution during earlier construction, operation and during / post expansion. b. Comparison of LULC pre construction and present. c. Ground water and surface water pollution during construction and operation. d. Land environment. e. Ecological damages of flora and fauna. f. Occupational health impacts during construction/post expansion. g. Community and natural resources augmentation plan. h. Benefits accrued due to violation. |
| 20.3.4.5 | <p>Observations and recommendations of committee of 17th EAC meeting held on held on, 29-31 January, 2019:</p> <p>PP and consultant made a detailed presentation on the proposal. The EAC after detailed deliberation on the information submitted by the PP and consultant and as presented, <i>deferred</i> the proposal for want of the following submission:</p> <p>1) Air quality impact modelling needs to be redone with input figures during construction with and without control measures and remediation should address and budget shall be revised accordingly.</p> |

- 2) The period of construction being 2 years as submitted by PP, the damage to water regime by covering a constructed area of about 9048 sq mtr and from 2008 to 2016 for surface and ground water regime over the total area including the buildings and without RWH system in place. The qty shall be computed based GEC95/15 and reworked and remediation shall work out accordingly.
- 3) Damage to top soil regime over the built up area and soil remediation budget shall be reworked not only for inside a particular patch but for the surrounding (withn 500 mtrs radius) from the plant towards failure of emission systems.
- 4)Provision of RWH system for the whole area and the budget.
- 5) LULC Analysis for 1998/2016 for buffer and as well core.
- 6) Infra development for both the affected villages and GB surrounding them and the budget for that to be covered towards remediation budget apart from others like surface harvested RW for them for agri and other use.
- 7) Economic benefit accrued to the PP during violation period from the operation/production and as per the audited Balance sheet for 8 years.
- 8) The budgetary estimate of damage assessment shall be revised accordingly with a 3 year action plan to be resubmitted.
- 9) CER budget should be provided along with time bound action plan.

20.3.4.6

Observations and recommendations of EAC in the present meeting:

PP along with the consultant made the detailed presentation on the information sought in the **17th EAC meeting held on 29-31 January, 2019**. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, the Committee observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan of Rs 52,05,000/-. However, on review of economic benefit accrued during violation period as submitted by PP during presentation, the net profit is Rs. 786.25 lakhs. Hence EAC recommended an additional cost Rs. of 25.00 lakhs to be invested by PP towards Remediation plan and Natural and Community Resource Augmentation plan.

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

- I. EAC recommended for an amount of Rs 77,05,000/- 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

| Sr. No | Component | Measures to be taken | Funds allocated (INR) |
|--------|---------------|---|-----------------------|
| 1 | Air Pollution | Plantation of 1000 trees @ 375 per tree in downward direction of MIDC Kurkumbh before Kurkumbh and Pandharewadi village and its maintenance for 1 year. | 3,75,000 |
| | | Organising one Health checkup for people in Firangai Devi Nagar | 2,00,000 |
| | | Six monthly Ambient Air Monitoring at Kurkumbh village and Pandharewadi villages for 3 years (6 locations) @ 6660 per monitoring x 18 nos. | 1,20,000 |

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|---|---------------------------------|--|----------------------|----------------------|---------------------|
| | | Plantation of 350 and 270 trees to be done near Patas and Kurkumbh villages along the NH-65 respectively on both sides and maintenance for 1 year @ 403 per tree x 620 trees | 2,50,000 | | |
| | | Total cost of remediation plan for air pollution (INR) | 9,45,000 | | |
| 2 | Water Pollution | Construction of one settling tank of 3 m x 3 m x 2 m for a stream joining the nalla in Kurkumbh village to prevent flow of debris. | 40,000 | | |
| | | Above ground 15 KL rain water harvesting tanks will be provided to Kurkumbh primary school | 2,20,000 | | |
| | | Above ground 8 KL rain water harvesting tanks will be provided to Patas school | 1,10,000 | | |
| | | Construction of check bund of 4.5 m (W) x 1.5 m (D) over a nalla in Kurkumbh | 3,50,000 | | |
| | | Construction of check bund of 3.5 m (W) x 1.5 m (D) over a nalla in Pandharewadi | 3,50,000 | | |
| | | Restoration of 3 nos. of degraded wells in Kurkumbh and Pandharewadi area @ 50,000 each | 1,50,000 | | |
| | | Total cost of remediation plan for water pollution | 12,20,000 | | |
| 3 | Soil Pollution | Soil remediation in a barren stretch of agricultural land of 3698 sq. m. in the south direction of the plot | 3,70,000 | | |
| 4 | Occupational Health | Organising one Medical checkups in Kurkumbh and Pandharewadi villages each. Membership of Rotary Club of Kurkumbh for a period of 20 years. | 2,50,000 | | |
| 5 | Noise Pollution | Plantations of 175 trees at Talati/Panchayat Office of villages of Pandharewadi and Kurkumbh @ 400 each | 70,000 | | |
| 6 | Ecology and Biodiversity | Plantation of 600 fruit bearing native trees to be planted in the amenity spaces of the MIDC to attract birds and butterflies and maintenance of the same for 1 year. @ 333 Rs per tree. | 2,00,000 | | |
| Total (INR) | | | 30,55,000 | | |
| ➤ Year wise break up of remediation plan | | | | | |
| Sr. No | Component | 1 st year | 2 nd year | 3 rd year | Total (Cost in INR) |
| 1 | Air Pollution | 3,15,000 | 3,65,000/- | 2,65,000/ | 9,45,000 |

| | | | | | |
|---|--------------------------|------------|------------|-----------|-----------|
| 2 | Water Pollution | 3,90,000/- | 3,70,000/- | 4,60,000 | 12,20,000 |
| 3 | Soil Pollution | - | - | 3,70,000 | 3,70,000 |
| 4 | Occupational Health | 2,50,000 | - | - | 2,50,000 |
| 5 | Noise Pollution | - | 70,000 | - | 70,000 |
| 6 | Ecology and Biodiversity | 1,00,000 | 1,00,000 | - | 2,00,000 |
| 7 | Total (INR) | 10,55,000 | 9,05,000 | 10,95,000 | 30,55,000 |

➤ **Year wise breakup of Natural Resource Augmentation plan and Budgetary Allocation**

| Natural Resource Augmentation plan and Budgetary Allocation | | | | | |
|--|--|----------------------------|----------------------------|----------------------------|--------------------|
| Sr. No | Activity | 1st Year | 2nd Year | 3rd year | Total (INR) |
| 1. | Provision of 16 nos. of solar street lights in Kurkumbh and Pandharewadi village @ 25000 per street light. | 1,50,000 | 1,50,000 | 1,00,000 | 4,00,000 |
| 2. | Maintenance of village roads in nearby villages | 50,000 | 50,000 | 1,00,000 | 2,00,000 |
| 3. | Funds will be given to Maharashtra Forest Department for building of water holes in the sanctuary. | 50,000 | 1,00,000 | 50,000 | 2,00,000 |
| 4. | Arranging annual training program and workshops for rain water harvesting and use of drip irrigation system in Kurkumbh and Pandharewadi village | 50,000 | 50,000 | 50,000 | 1,50,000 |
| | Total (INR) | 3,00,000 | 3,50,000 | 3,00,000 | 9,50,000 |

➤ **Year wise break-up of Community Resource Augmentation plan**

| Community Resource Augmentation Plan | | | | | |
|---|--|----------------------------|----------------------------|----------------------------|--------------------|
| Sr. No | Activity | 1st Year | 2nd Year | 3rd year | Total (INR) |
| 1. | Provision of 400 LPH R.O plant in Kurkumbh and Pandharewadi Gram Panchayat Office. | - | 1,00,000 | 1,00,000 | 2,00,000 |
| 2. | Funds to be given in nearby villages for distribution of medicine at cheaper rates | 20,000 | 10,000 | 20,000 | 50,000 |

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|----|---|----------|----------|----------|-----------|
| 3. | Development of water holes near the periphery of Vadane, Kutwalwadi and Supe villages for herders which will reduce the conflict and frequent entry of herders inside the sanctuary for grazing cattle. | 80,000 | 30,000 | 40,000 | 1,50,000 |
| 4. | Provision of 8 beds and 2 stretchers in Primary health care centre at Kurkumbh | 50,000 | 50,000 | 50,000 | 1,50,000 |
| 5. | Funding for construction of overhead tank of 2.5 lakh litres in Kurkumbh village | 2,50,000 | - | - | 2,50,000 |
| 6. | Construction of one common toilets and urinals in Kurkumbh and Pandharewadi area | - | 2,00,000 | 2,00,000 | 4,00,000 |
| | Total (INR) | 4,00,000 | 3,90,000 | 4,10,000 | 12,00,000 |

Summary

| Total amount of remediation plan, natural resource and community resource augmentation plan | | | | | |
|--|--------------------------------------|----------------------------|----------------------------|----------------------------|--------------------|
| Serial no | Aspects | 1st Year | 2nd Year | 3rd Year | Total (INR) |
| 1 | Damage Assessment Plan | 10,55,000 | 9,05,000 | 10,95,000 | 30,55,000 |
| 2 | Natural Resource Augmentation Plan | 3,00,000 | 3,50,000 | 3,00,000 | 9,50,000 |
| 3 | Community Resource Augmentation plan | 4,00,000 | 3,90,000 | 4,10,000 | 12,00,000 |
| 4 | Total (INR) | 17,55,000 | 16,45,000 | 18,05,000 | 52,05,000 |

- II. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 52,05,000/- + Rs. 25,00,000/-** (additional cost).
- III. PP has to submit Remediation plan and Natural and Community Resource Augmentation plan for an additional amount of **Rs 25,00,000/-** before issue of EC.
- IV. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 77,05,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- V. 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.
- VI. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 32,00,000/- to be implemented.
- VII. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- VIII. The PP shall 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

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| | <p>Protection Act 1986 to the MoEF&CC prior to the grant of EC.</p> <p>IX. Action plan to be implemented in case of reactor failure or damage.</p> <p>X. 5195 numbers of trees to be planted (native/fast growing/pollution abating species) under green belt plan in an area of 35,124.3 sq.m (it includes existing and proposed)</p> |
| 20.3.5 | 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 - Terms of Reference[IA/DD/IND2/68275/2017 dated 09.09.2017] [F. No. 23-113/2018-IA.III (V)] |
| 20.3.5.1 | 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 as general condition applies. |
| 20.3.5.2 | <p>Details of the project as per the submission of project proponent:</p> <p>The Project proposed to expand the manufacturing capacity of (Construction emulsions, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives) from 188.33 MTPM to 2000 MTPM by M/s. Jesons Industries Limited (Unit III) in an area of 961.78sq. mts at Sy. No. 377/1 (16 A), Kachigam Village, Daman, (Daman and Diu U.T).</p> <p>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 the site is within 5 km of Interstate boundary even though the site is located in industrial area.</p> <p>The plant/unit was earlier set up 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. Subsequently, the unit is reported to be in operation with consent to operate renewed from time to time by the PCC. The consent to operate is presently valid up to 31.07.2021. (Consent order No. PCC/DDD/O-720/WA/AA/KG/96-97/314 dt. 14.07.2017)</p> <p>The proposal is to manufacture (Construction emulsions, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives) with a total capacity of 2000 MTPM.</p> <p>The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under;</p> <ol style="list-style-type: none"> 1 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). 2 The unit is reported to be in operation with consent to operate renewed from time to time by the PCC. The consent to operate is presently valid up to 31.07.2021. (Consent order No. PCC/DDD/O-720/WA/AA/KG/96-97/314 dt. 14.07.2017). 3 The unit obtained Terms of Reference (ToR) vide letter no. J-11011/226/2015-IA II (I) dated 05.03.2016 with public consultation for expansion of manufacturing capacity from 188.33 MTPM to 2000 MTPM in existing site area of 961.78 sq. mts (0.23 acres). 4 Draft EIA was submitted to PCC of Daman & Diu dated 26.10.2016 for conducting public hearing. Administration of Daman and Diu (Department of Environment and Forest, Secretariat, Fort Area, Moti Daman, Daman) informed that notification no. PCC/DMN/13-(Part IV)/98-99/2014-15/1199 dated 09.10.2015 issued by UT government restricted new unit or expansion projects. |

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| | <p>5 The unit obtained with consent to establish vide Consent no. PCC/DDD/O-720/WA/AA/KG/96-97/159 dt. 09.06.2017 for manufacturing of Glue from Starch (by physical mixing and blending only) - 20000 MTPA and subsequently obtained consent to operate vide consent no. PCC/DDD/O-720/WA/AA/KG/96-97/811 dt. 15.02.2018 valid till dt. 31.01.2019.</p> <p>6 Form I and Pre-Feasibility report submitted online vide Proposal No. IA/DD/IND2/68275/2017 dated 09.09.2017 to Violation committee as the unit started the work onsite without prior EC under EIA notification, 2006.</p> <p>7 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>8 The unit obtained Terms of Reference (ToR) vide letter no. UTEIAA-DD-2018-06-18 dated 29.08.2018 from UTEIAA.</p> <p>9 Draft EIA was submitted against ToR received from UTEIAA to PCC of Daman & Diu and Dadra & Nagar Haveli dated 22.10.2018 for conducting public hearing.</p> <p>10 TOR obtained from MoEFCC vide letter no. J-11011/226/2015-IA II (I) dated 05.03.2016 was withdrawn on 05.11.2018 vide letter no. DD/IND2/27111-2015.</p> <p>11 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/PHEIA Expansion (Dt. 26/11/2018)</p> <p>12 Minutes of public hearing received from PCC of Daman and Diu on 11.01.2019</p> <p>13 The unit applied for consent to operate renewal vide Consent no. PCC/DDD/O-720/WA/AA/KG/96-97/811 dt. 15.02.2018 valid till dt. 31.01.2019 for manufacturing of Glue from starch (by physical mixing and blending only) – 20000 MTPA with ACK.No.:267114, but the process is still awaiting.</p> |
| <p>20.3.5.3</p> | <p>Observations and recommendations of committee of 7th EAC meeting held on 17th - 18th May 2018:</p> <p>The project proponent was absent without prior intimation.</p> |
| <p>20.3.5.4</p> | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant made the detailed presentation on the proposal before the EAC. EAC noted that proposed site is located in industrial zone of Daman union Territory and PP has started the production onsite without obtaining Environmental Clearance (period: 2007 to 2015) and hence violation of EIA Notification 2006 and as amended time to time. 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 issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment 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 for expansion project to be issued till the project is granted EC for the expansion.</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 with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</p> <p>(iii) Assessment of ecological damage with respect to air, water, land and other 27 environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly</p> |

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| | <p>notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</p> <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation. (v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) 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>(viii) Validation of present base line data with one-month fresh base line monitoring of all the environmental attributes</p> <p>(ix) Project cost to be certified by the concerned authority.</p> <p>(x) Source of water and permission from the competent authority to be submitted.</p> |
| 20.3.6 | M/s Jesons Industries Limited (Unit I) - 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 - Terms of Reference [IA/DD/IND2/68276/2017 dated 09.09.2017] [F. No. 23-114/2018-IA.III (V)] |
| 20.3.6.1 | M/s Jesons Industries Limited (Unit I) has made online application vide proposal no. IA/DD/IND2/68276/2017 dated 09.09.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 5 (f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level. |
| 20.3.6.2 | <p>Details of the project as per the submission of project proponent:</p> <p>The Project proposed to expand the manufacturing capacity of (Construction emulsions, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives) from 750 MTPM to 2555 MTPM by M/s. Jesons Industries Limited (Unit I) in an area of 2927.08 sq. mts at Sy. No. 377/1/7, Kachigam Village, Daman and Diu Tehsil, district and state.</p> <p>The said project/activity is covered under “5 (f)” of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA as the site is within 5 km of Interstate boundary even though the site is located in industrial area.</p> <p>The plant/unit was earlier set up with consent to establish vide Consent no. PCC/DDD/G-2255/KG/WA/99-2000/803 dated 12.11.1999 from Pollution control committee (PCC) of Daman & Diu and Dadra & Nagar Haveli. Subsequently, the unit is reported to be in operation with consent to operate renewed from time to time by the PCC. The consent to operate is presently valid upto 28.02.2018. (Consent order No. PCC/DDD/G-2255/WA/AA/KG/99-00/331 dt. 29.07.2015)</p> <p>The proposal is to manufacture (Construction emulsions, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives) with a total capacity of 2555 MTPM.</p> <p>The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under;</p> <ol style="list-style-type: none"> 1 The unit obtained with consent to establish vide Consent no. PCC/DDD/G-2255/KG/WA/99-2000/803 dated 12.11.1999 from Pollution control committee (PCC) of Daman & Diu and Dadra & Nagar Haveli for manufacturing Synthetic Adhesives (3000 MTPA) and textile Auxiliaries (5400 MTPA) and subsequently obtained consent to operate vide consent no. PCC/DDD/G-2255/WA/KG/99-2000/758 dated 12.07.2000. |

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| | <p>2 The unit obtained with consent to establish vide Consent no. PCC/DDD/G-2255/WA/AA/KG/99-00/748 dated 17.11.2011 for manufacturing of Primary Ink (By mixing and blending without chemical reaction and usage of diazo dyes) - 600 MTPA and subsequently obtained consent to operate vide consent no. PCC/DDD/G-2255/WA/AA/KG/99-00/31 dated 08.04.2013.</p> <p>3 The unit renewed consent to operate vide consent no. PCC/DDD/G-2255/WA/AA/KG/99-00/117 dated 10.04.2014 for manufacturing Synthetic Adhesives (3000 MTPA), textile Auxiliaries (5400 MTPA) and Primary Ink by mixing and blending (600MTPA).</p> <p>4 The unit obtained Terms of Reference (ToR) vide letter no. J-11011/127/2015-IA II (I) dated 05.08.2015 with public consultation for expansion of manufacturing capacity from 755 MTPM to 2555 MTPM in existing site area of 2927.08 sq. mts (0.72 acres).</p> <p>5 Draft EIA was submitted to PCC of Daman & Diu dated 26.10.2016 for conducting public hearing. Administration of Daman and Diu (Department of Environment and Forest, Secretariat, Fort Area, Moti Daman, Daman) informed that notification no. PCC/DMN/13-(Part IV)/98-99/2014-15/1199dated09.10.2015issued by UT government restricted new unit or expansion projects.</p> <p>6 The unit obtained with consent to establish vide Consent no. PCC/DDD/G-2255/KG/WA/AA/99-00/189 dated 15.06.2017 for manufacturing of Paint (by mixing and blending) – 19000 MTPA and Glue from starch (by physical mixing and blending only) – 5000 MTPA and subsequently applied for consent to operate dated 15.09.2017 with ACK.No.:8778 but the process is still awaiting.</p> <p>7 Form I and Pre-Feasibility report submitted online vide Proposal No. IA/DD/IND2/68276/2017 dated09.09.2017 to Violation committee as the unit started the work onsite without prior EC under EIA notification,2006.</p> <p>8 Submitted Form I and prefeasibility report to Union Territory Environment Impact Assessment Authority (UTEIAA) on 04.06.2018 for expansion of manufacturing capacity from 750 MTPM to 2555 MTPM.</p> <p>9 The unit obtained Terms of Reference (ToR) vide letter no. UTEIAA-DD-2018-05-17 dated 29.08.2018 from UTEIAA.</p> <p>10 TOR obtained from MoEFCC vide letter no. J-11011/127/2015-IA II (I) dated 05.08.2015 was withdrawn on 05.11.2018 vide letter no.DD/IND2/27107-2015.</p> <p>11 Draft EIA was submitted against ToR received from UTEIAA to PCC of Daman & Diu and Dadra & Nagar Haveli dated 22.10.2018 for conducting public hearing.</p> <p>12 Public hearing was conducted by PCC of Daman and Diu on 28.12.2018 vide letter no. PCC-DD-G2255-WA-ILG-96-97/18-19/PH-EIA Expansion (Dt. 26/11/2018)</p> <p>13 Minutes of public hearing received from PCC of Daman and Diu on 11.01.2019</p> |
| <p>20.3.6.3</p> | <p>Observations and recommendations of committee of 7th EAC meeting held on held on 17th - 18th May 2018:</p> <p>The project proponent was absent without prior intimation.</p> |
| <p>20.3.6.4</p> | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant made the detailed presentation on the proposal before the EAC. EAC noted that proposed site is located in industrial zone of Daman union Territory and PP has started the production onsite without obtaining Environmental Clearance and hence violation of EIA Notification 2006 and as amended time to time. 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 issuing Standard Term of Reference</p> |

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| | <p>along with the following specific Term of Reference for undertaking EIA and preparation of Environment 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 for expansion project to be issued till the project is granted EC for the expansion.</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 with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</p> <p>(iii) Assessment of ecological damage with respect to air, water, land and other 27 environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</p> <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation. (v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) 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>(viii) Validation of present base line data with one-month fresh base line monitoring of all the environmental attributes.</p> <p>(ix) Project cost to be certified by the concerned authority.</p> <p>(x) Source of water and permission from the competent authority to be submitted.</p> |
| <p>20.3.7</p> | <p>Expansion of Medapalli Opencast Expansion project at Ramagundam Area-I, Village Medapalli, Mandal Ramgundam, District Pedapalli, Telangana by M/s The Singareni Collieries Company Ltd. - Further consideration for Terms of Reference [IA/TG/CMIN/74390/2018 dated 13.04.2018] [F. No. 23-278/2018-IA.III (V)]</p> |
| <p>20.3.7.1</p> | <p>M/s The Singareni Collieries Company Ltd. has made online application vide proposal no. IA/TG/CMIN/74390/2018 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> |
| <p>20.3.7.2</p> | <p>Details of the project as per the submission of project proponent:</p> <p>The Project Proponent made a detailed presentation on the salient features of Medapalli Opencast Coal Mine Expansion Project.</p> <p>2. The project involves extraction of coal @ 3.0 MTPA(peak 4.09 MTPA) (Proposed for 5.00 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 1145.03 hectares at Medapalli Village, Ramagundam Taluka/Mandal, Peddapalli District, Telangana (State).</p> <p>3. The said project is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee.</p> <p>4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: No</p> <p>5. River Godavari forming North Eastern boundary of the block, drains the area along with its ephemeral tributaries. The Highest Flood Level (HFL) of Godavari River was recorded as 138.55</p> |

m above MSL (Corresponding to 838.55 m of assumed Level) during the monsoon on 20.10.1995. Large portion of the block is covered under this HFL of the river and the same was protected with a bund between River and mine.

6. Details of Forest issues, if any: Nil

7. Details of Consent to Operate:

(i) Whether Consent to operate obtained (Yes/No)? **Yes**

(ii) Date of issue: **21.04.2018**

(iii) Valid up to: **31.03.2021**

(iv) Submit Copies of all Consent to operate obtained since inception

8. Mine Capacity in ROM (Run of Mine): 3.00 MTPA (Peak 4.09 MTPA) (Proposed for 5.00 MTPA)

9. Whether the proposal is mining of Minor minerals project (Yes/No)? No

10. Whether the proposal is mining of Major minerals project (Yes/No)? Yes

11. No. of Mineral to be Mined with name: One (Coal)

12. Details of mine lease: - Medapalli Mining lease

(i) Date of entering into original lease deed: 20.06.1991

(ii) Date of expiry of original lease deed: 09.12.2021

13. Details of DGMS permission, if any: - Obtained

14. Details of past production of mine since its inception duly in tabular form:

| Year | EC Capacity (MTPA) | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) | |
|---------|--------------------|--------------------------|--|------|
| 1994-95 | 1.25 | 0 | - | |
| 1995-96 | | 0.36 | - | |
| 1996-97 | | 0.48 | - | |
| 1997-98 | | 0.56 | - | |
| 1998-99 | | 0.59 | - | |
| 1999-00 | | 0.85 | - | |
| 2000-01 | | 0.73 | - | |
| 2001-02 | | 1.00 | - | |
| 2002-03 | | 1.41 | 0.16 | |
| 2003-04 | | 1.44 | 0.19 | |
| 2004-05 | | 1.57 | 0.32 | |
| 2005-06 | | 1.48 | 0.23 | |
| 2006-07 | | 1.36 | 0.11 | |
| 2007-08 | | 2.50 | 0.16 | |
| 2008-09 | | 4.09 | 3.09 | - |
| 2009-10 | | | 3.32 | - |
| 2010-11 | | | 4.18 | 0.09 |
| 2011-12 | 3.57 | | - | |
| 2012-13 | 3.99 | | - | |
| 2013-14 | 2.74 | | - | |
| 2014-15 | 3.87 | | - | |
| 2015-16 | 4.59 | | 0.50 | |
| 2016-17 | 4.65 | | 0.56 | |
| 2017-18 | 4.67 | | 0.58 | |

15. Details of Violation: Production capacity enhanced (as stated in the table above) without prior EC

16 The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under: (Note: *Do not furnish details in Annexures*)

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| | <ul style="list-style-type: none"> (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: 13.04.2018 (ii) Date of appraisal of EAC/SEAC meetings so far: Fresh Proposal (iii) Observations/recommendations of the EAC/SEAC in each meeting: Not applicable (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (v) Complaint case filed by the State Government/State Pollution Control Board: Nil (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Not applicable (viii) Legal interventions, if any: Nil |
| <p>20.3.7.3</p> | <p>Observations and recommendations of committee of 15th EAC meeting held on 27th-29th November, 2018:</p> <p>The EAC after the presentation by the PP observed that present proposal is for regularisation of earlier EC granted vide dated 22.06.1992 & 02.07.2008 for 1.25 MTPA & 3.0 MTPA (4.09 peak) respectively. Based on the production detail PP has gone for enhanced production beyond EC capacity from 2002 to 2008, 2010-2011 and 2015-2018. Also, PP has proposed for reduction in mine lease area from 1171.55 Ha (earlier EC) to 1145.03 Ha in the present expansion proposal.</p> <p>The EAC after detailed deliberation <i>deferred</i> the proposal for want of following information:</p> <ul style="list-style-type: none"> (i) KML file showing earlier and present proposed mining lease area. (ii) Clarification for decrease in Mine Lease area and a table showing Pre-Mining and Present land use details for earlier EC proposal and present proposal. (iii) Comparison table for details of land use status after mine closure stage for earlier EC proposal and present proposal. (iv) Submission of affidavit in compliance of Hon'ble Supreme Court order dated 02.08.2017. |
| <p>20.3.7.4</p> | <p>Observations and recommendations of present EAC:</p> <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 15th EAC meeting held on 27th-29th November, 2018 till the required submission is made by PP.</p> <p>The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal especially on the information sought in the earlier meeting. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP):</p> <ul style="list-style-type: none"> (i) (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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. |

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| | <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 EMP comprising 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 in the EIA report by the accredited consultants. (vi) The PP is required to conduct public hearing as per EIA notification, 2006. (vii) One season base line data is to be collected and reported in the EIA/EMP report. (viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC (ix) 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. (x) 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. (xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan. (xii) Copy of approved mining plan is to be submitted. (xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/ecological restoration shall be completed within three years and to prepared accordingly. (xiv) 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>20.3.8</p> | <p>Expansion of Jawahar Khani-5 Opencast Coal Mine Project from production capacity of 2.5 MTPA to 3.5 MTPA of M/s Singareni Collieries Company Ltd., located Village Sudimalla & Usirakayapalli, Mandal Yellandu, District Bhadradi Kothagudem, Telangana - Further consideration for Terms of Reference [IA/TG/CMIN/74333/2018 dated 12.04.2018] [F. No. 23-257/2018-IA.III (V)]</p> |
| <p>20.3.8.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74333/2018 dated 12.04.2018 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> |
| <p>20.3.8.2</p> | <p>Details of the project as per the submission of project proponent: The Project Proponent made a detailed presentation on the salient features of Jawahar Khani-5 Opencast Coal Mine Project.</p> |

2. The project involves extraction of coal @ 2.5 MTPA (Proposed for 3.5 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 490.14 hectares at Sudimalla and Usirikayalapalli Villages, Yellandu Taluka/Mandal, Bhadradri Kothagudem District, Telangana (*State*).
3. The said project is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee.
4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: **No**
5. River/ water body is flowing at a distance ofin..... direction: Two small streamlets are flowing over the mining block area. Both the streamlets have been realigned and joined to Bugga Vagu.
6. Details of Forest issues, if any: **Nil**
7. Details of Consent to Operate:
 - (i) Whether Consent to operate obtained (Yes/No)? **Yes**
 - (ii) Date of issue: **03.01.2018**
 - (iii) Valid up to: **31.12.2022**
 - (iv) Submit Copies of all Consent to operate obtained since inception
8. Mine Capacity in ROM (Run of Mine): **2.5 MT (Proposed for 3.5 MTPA)**
9. Whether the proposal is mining of Minor minerals project (Yes/No)? **No**
10. Whether the proposal is mining of Major minerals project (Yes/No)? **Yes**
11. No. of Mineral to be Mined with name: **One (Coal)**
12. Details of mine lease: -
 - (i) Date of entering into original lease deed: 15.04.1974
 - (ii) Date of expiry of original lease deed: 14.04.2004
 - (iii) Date of 1st lease renewal: 15.04.2004
 - (iv) Whether renewal or deemed renewal: **Renewal**
 - (v) Date of expiry of 1st lease renewal/deemed renewal: 14.04.2024
13. Details of DGMS permission, if any: - **Obtained**
14. Details of past production of mine since its inception duly in tabular form:

| S. No | Year | As per EC | Actual In MT | Excess in MT |
|-------|---------|-----------|--------------|--------------|
| 1. | 2012-13 | 2.00 | 1.470 | -- |
| 2. | 2013-14 | 2.00 | 2.076 | 0.076 |
| 3. | 2014-15 | 2.00 | 1.391 | -- |
| 4. | 2015-16 | 2.00 | 2.514 | 0.514 |
| 5. | 2016-17 | 2.50 | 2.692 | 0.192 |
| 6. | 2017-18 | 2.50 | 2.962 | 0.462 |
| Total | | | | 1.244 |

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| | <p>15. Details of Violation: Production exceeded in 2013-14 and from 2015-16 to 2017-18.</p> <p>16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:</p> <ul style="list-style-type: none"> (ix) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: 12.04.2018 (x) Date of appraisal of EAC/SEAC meetings so far: Fresh Proposal (xi) Observations/recommendations of the EAC in each meeting: Not applicable (xii) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (xiii) Complaint case filed by the State Government/State Pollution Control Board: Nil (xiv) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil (xv) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Not applicable (xvi) Legal interventions, if any: Nil |
| <p>20.3.8.3</p> | <p>Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:</p> <p>Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.</p> <p>However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.</p> <p>Therefore, instant proposal is <i>deferred</i> till the required submission is made by PP. In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.</p> |
| <p>20.3.8.4</p> | <p>Observations and recommendations of present EAC:</p> <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 13th EAC meeting held on held on 18th-20thSeptember 2018 till the required submission is made by PP. The EAC further noted that present proposal is for expansion from 2.5 MTPA to 3.5 MTPA instead of 2 to 2.5 MTPA as mentioned in project title in the agenda and therefore recommended for the necessary correction in the agenda.</p> <p>The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP):</p> <ul style="list-style-type: none"> (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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. |

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| | <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 EMP comprising 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 in the EIA report by the accredited consultants. (vi) The PP is required to conduct public hearing as per EIA notification, 2006. (vii) One season base line data is to be collected and reported in the EIA/EMP report. (viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC (ix) 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. (x) 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. (xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan. (xii) Copy of approved mining plan is to be submitted. (xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/restoration/conservation plan shall be completed within three years and to be prepared accordingly. (xiv) 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>20.3.9</p> | <p>Ravindra Khani-5 (RK-5) Incline Underground Coal Mine Expansion Project (0.50 MTPA peak) of M/s Singareni Collieries Company Ltd., located in villages Naspur & Thallapalli in Mancherial Mandal and in village Kankur, Jaipur Mandal, District Adilabad, Telangana - Further consideration for Terms of Reference [IA/TG/CMIN/74096/2018 dated 09.04.2018] [F. No. 23-251/2018-IA.III (V)]</p> |
| <p>20.3.9.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74096/2018 dated 09.04.2018 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> |
| <p>20.3.9.2</p> | <p>Details of the project as per the submission of project proponent:</p> |

1. The Project Proponent made a detailed presentation on the salient features of Ravindra Khani-5 Incline Underground Coal Mine Expansion Project.
2. The project involves extraction of coal @ 0.5 MTPA (Proposed for 0.5 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 376.20 hectares at Naspur, Thallapalli and Kankur Villages, Mancherial Taluka/Mandal, Mancherial District, Telangana (*State*).
3. The said project/activity is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal.
4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: **No**
5. River/ water body is flowing at a distance ofin..... direction. **Nil**
6. Details of Forest issues, if any: 337.15 ha, Final(Stage-II) Approval Obtained
7. Details of Consent to Operate:
 - (i) Whether Consent to operate obtained (Yes/No)? **Yes**
 - (ii) Date of issue: **06.08.2016**
 - (iii) Valid up to: **30.06.2021**
 - (iv) Submit Copies of all Consent to operate obtained since inception
8. Mine Capacity in ROM (Run of Mine): **0.5 MTPA (Proposed for 0.5 MTPA)**
9. Whether the proposal is mining of Minor minerals project (Yes/No)? **No**
10. Whether the proposal is mining of Major minerals project (Yes/No)? **Yes**
11. No. of Mineral to be Mined with name: **One (Coal)**
12. Details of mine lease: -
 - (i) Date of entering into original lease deed: 05.08.1931
 - (ii) Date of expiry of original lease deed: 04.08.1961
 - (iii) Date of 1st lease renewal: 05.08.1961
 - (iv) Whether renewal or deemed renewal: **Renewal**
 - (v) Date of expiry of 1st lease renewal/deemed renewal: 31.12.1984
 - (vi) Date of 2nd lease renewal: 22.05.2000
 - (vii) Whether renewal or deemed renewal: **Renewal**
 - (viii) Date of expiry of 2nd lease renewal / deemed renewal: 21.05.2010
 - (ix) Date of 3rd lease renewal: 22.05.2010
 - (x) Whether renewal or deemed renewal: **Renewal**
 - (xi) Date of expiry of 3rd lease renewal / deemed renewal: 21.05.2030
13. Details of past production of mine since its inception duly in tabular form:

| Year | 1993-94 Baselevel / EC Capacity | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) |
|------------------|--|--------------------------------|--|
| Up to 1989-90 | Base level starts from 1993-94 | - | - |
| 1990-91 | | - | - |
| 1991-92 | | - | - |
| 1992-93 | | - | - |
| 1993-94 | 0.234 | 0.234 | 0.000 |
| 1994-95 | | 0.236 | 0.002 |
| 1995-96 | | 0.221 | - |
| 1996-97 | | 0.214 | - |
| 1997-98 | | 0.226 | - |
| 1998-99 | | 0.268 | 0.033 |
| 1999-00 | | 0.341 | 0.106 |
| 2000-01 | | 0.404 | 0.170 |
| 2001-02 | | 0.496 | 0.262 |
| 2002-03 | | 0.467 | 0.233 |
| 2003-04 | | 0.489 | 0.254 |
| 2004-05 | | 0.451 | 0.217 |
| 2005-06 | | 0.443 | 0.208 |
| 2006-07 | | 0.471 | 0.237 |
| 2007-08 | 0.469 | 0.234 | |
| 2008-09 | 0.50 | 0.514 | 0.014 |
| 2009-10 | | 0.518 | 0.018 |
| 2010-11 | | 0.524 | 0.024 |
| 2011-12 | | 0.534 | 0.034 |
| 2012-13 | | 0.689 | 0.189 |
| 2013-14 | | 0.648 | 0.148 |
| 2014-15 | | 0.447 | - |
| 2015-16 | | 0.469 | - |
| 2016-17 | | 0.445 | - |
| 2017-18 | | 0.336 | - |

14. Details of Violation: Production exceeded as shown in the above table.

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| | <p>15. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:</p> <ul style="list-style-type: none"> (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: 09.04.2018 (ii) Date of appraisal of EAC/SEAC meetings so far: Fresh Proposal (iii) Observations/recommendations of the EAC/SEAC in each meeting: Not applicable (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (v) Complaint case filed by the State Government/State Pollution Control Board: Nil (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Nil (viii) Legal interventions, if any: Nil |
| <p>20.3.9.3</p> | <p>Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:</p> <p>Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.</p> <p>However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.</p> <p>Therefore, instant proposal is <i>deferred</i> till the required submission is made by PP. In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.</p> |
| <p>20.3.9.4</p> | <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 13th EAC meeting held on held on 18th-20thSeptember 2018 till the required submission is made by PP.</p> <p>The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) subject to submission of revised Form1:</p> <ul style="list-style-type: none"> (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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. <p>(iii) Assessment of ecological damage with respect to air, water, land and other environmental</p> |

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| | <p>attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</p> <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>(v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) One season base line data is to be collected and reported in the EIA/EMP report.</p> <p>(viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC</p> <p>(ix) 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>(x) 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>(xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.</p> <p>(xii) Copy of approved mining plan is to be submitted.</p> <p>(xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/ restoration along with conservation plan using native fast growing/pollution abating species shall be completed within three years and to be prepared accordingly.</p> <p>(xiv) 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>20.3.10</p> | <p>Expansion of Srirampur-3 & 3A (SRP-3 & 3A) Incline Underground Coal Mine Expansion Project (0.4 MTPA peak) in ML area 299 Ha of M/s Singareni Collieries Company Ltd., located Villages Theegalpahad, Naspur, Thallapalli and Singapur, Mandal Mancherial, District Adilabad, Telangana - Further consideration for Terms of Reference</p> <p>[IA/TG/CMIN/74099/2018 dated 09.04.2018] [F. No. 23-252/2018-IA.III (V)]</p> |
| <p>20.3.10.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74099/2018 dated 09.04.2018 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> |
| <p>20.3.10.2</p> | <p>Details of the project as per the submission of project proponent:</p> |

1. The Project Proponent made a detailed presentation on the salient features of Srirampur-3 & 3A Incline Underground Coal Mine Expansion Project.
2. The project involves extraction of coal @ 0.4 MTPA (Proposed for 0.4 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 299 hectares at Srirampur Village, Naspur Taluka/Mandal, Mancherial District, Telangana (*State*).
3. The said project/activity is covered under of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee
4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: **No**
5. River/ water body is flowing at a distance ofin..... Direction:**Nil**
6. Details of Forest issues, if any: **76 ha, Final(Stage-II) Approval Obtained**
7. Details of Consent to Operate:
 - (i) Whether Consent to operate obtained (Yes/No)? **Yes**
 - (ii) Date of issue: **05.08.2016**
 - (iii) Valid up to: **30.06.2021**
8. Mine Capacity in ROM (Run of Mine): **0.4 MTPA (Proposed for 0.4 MTPA)**
9. Whether the proposal is mining of Minor minerals project (Yes/No)? **No**
10. Whether the proposal is mining of Major minerals project (Yes/No)? **Yes**
11. No. of Mineral to be Mined with name: **One (Coal)**
12. Details of mine lease: -
 - (i) Date of entering into original lease deed: 1. 05.08.1931 (NGML) 2. 29.07.1980 (IML) 3. 28.06.2008 (SML)
 - (ii) Date of expiry of original lease deed: 1. 04.08.1961 (NGML) 2. 28.07.2000 (IML) 3. **27.06.2038 (SML)**
 - (iii) Date of 1st lease renewal: 1. 05.08.1961 (NGML) 2. 24.07.2000 (IML)
 - (iv) Whether renewal or deemed renewal: **Renewal**
 - (v) Date of expiry of 1st lease renewal/deemed renewal: 1. 31.12.1984 (NGML) 2. **23.07.2020 (IML)**
 - (vi) Date of 2nd lease renewal: 22.05.2000 (NGML)
 - (vii) Whether renewal or deemed renewal: **Renewal**
 - (viii) Date of expiry of 2nd lease renewal / deemed renewal: 21.05.2010 (NGML)
 - (ix) Date of 3rd lease renewal: 22.05.2010 (NGML)
 - (x) Whether renewal or deemed renewal: **Renewal**
 - (xi) Date of expiry of 3rd lease renewal / deemed renewal: **21.05.2030 (NGML)**
13. Details of DGMS permission, if any: - **Obtained**
14. Details of past production of mine since its inception duly in tabular form:

| Year | 1993-94 Baselevel / EC Capacity | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) | |
|---------------|---------------------------------|--------------------------|--|-------|
| Up to 1987-88 | | - | - | |
| 1988-89 | Base levels starts from 1993-94 | 0.016 | | |
| 1989-90 | | 0.058 | | |
| 1990-91 | | 0.080 | | |
| 1991-92 | | 0.138 | | |
| 1992-93 | | 0.198 | | |
| 1993-94 | | 0.259 | 0.259 | |
| 1994-95 | | | 0.251 | |
| 1995-96 | 0.240 | | | |
| 1996-97 | 0.241 | | | |
| 1997-98 | 0.267 | | 0.008 | |
| 1998-99 | 0.301 | | 0.042 | |
| 1999-00 | 0.299 | | 0.04 | |
| 2000-01 | 0.318 | | 0.059 | |
| 2001-02 | 0.333 | | 0.074 | |
| 2002-03 | 0.331 | | 0.072 | |
| 2003-04 | 0.383 | | 0.124 | |
| 2004-05 | 0.392 | | 0.133 | |
| 2005-06 | 0.382 | | 0.123 | |
| 2006-07 | 0.259 | | 0.391 | 0.132 |
| 2007-08 | | 0.407 | 0.148 | |
| 2008-09 | 0.4 | 0.402 | 0.002 | |
| 2009-10 | | 0.361 | | |
| 2010-11 | | 0.363 | | |
| 2011-12 | | 0.350 | | |
| 2012-13 | | 0.357 | | |
| 2013-14 | | 0.350 | | |
| 2014-15 | | 0.312 | | |
| 2015-16 | | 0.285 | | |
| 2016-17 | | 0.281 | | |
| 2017-18 | | 0.286 | | |

15. Details of Violation: Production exceeded as shown in the above table.

16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:

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| | <ul style="list-style-type: none"> (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: 09.04.2018 (ii) Date of appraisal of EAC/SEAC meetings so far: Fresh Proposal (iii) Observations/recommendations of the EAC/SEAC in each meeting: Not applicable (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (v) Complaint case filed by the State Government/State Pollution Control Board: Nil (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) an (vii) d (v) above. If yes, furnish details: Nil (viii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Not applicable (ix) Legal interventions, if any : Nil |
| <p>20.3.10.3</p> | <p>Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:</p> <p>Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.</p> <p>However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.</p> <p>Therefore, instant proposal is <i>deferred</i> till the required submission is made by PP.</p> <p>In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.</p> |
| <p>20.3.10.4</p> | <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 13th EAC meeting held on held on 18th-20thSeptember 2018 till the required submission is made by PP.</p> <p>The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) subject to submission of revised Form1:</p> <ul style="list-style-type: none"> (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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 |

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| | <p>accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.</p> <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>(v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) One season base line data is to be collected and reported in the EIA/EMP report.</p> <p>(viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC</p> <p>(ix) 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>(x) 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>(xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.</p> <p>(xii) Copy of approved mining plan is to be submitted.</p> <p>(xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage//restoration plan shall be completed within three years and to be prepared accordingly.</p> <p>(xiv) 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>20.3.11</p> | <p>Expansion of Vakipalli Mine (VKP) Underground Coal Mining Project (0.35 MTPA) in ML area 205.34 Ha of M/s Singareni Collieries Company Ltd., located Village Vakilpalli, Mandal Kamanpur, District Peddapalli, Telangana - Further consideration for Terms of Reference [IA/TG/CMIN/74123/2018 dated 10.04.2018] [F. No. 23-253/2018-IA.III (V)]</p> |
| <p>20.3.11.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74123/2018 dated 10.04.2018 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> |
| <p>20.3.11.2</p> | <p>Details of the project as per the submission of project proponent:</p> <p>1. The Project Proponent made a detailed presentation on the salient features of Vakilpalli Underground Coal Mine Project.</p> <p>2. The project involves extraction of coal @ 0.45 MTPA (Proposed for 0.35 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 205.34 hectares at Vakilpalli Village, Kamanpur Taluka/Mandal, Peddapalli District, Telangana (<i>State</i>).</p> |

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

4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: **Yes**

5. River/ water body is flowing at a distance ofin..... direction. **Nil**

6. Details of Forest issues, if any: **27.12 ha, Final(Stage-II) Approval Obtained.**

7. Details of Consent to Operate:

(i) Whether Consent to operate obtained (Yes/No)? **Yes**

(ii) Date of issue: **18.05.2017**

(iii) Valid up to: **31.03.2022**

(iv) Submit Copies of all Consent to operate obtained since inception

8. Mine Capacity in ROM (Run of Mine): **0.45 MTPA (Proposed for 0.35 MTPA)**

9. Whether the proposal is mining of Minor minerals project (Yes/No)? **No**

10. Whether the proposal is mining of Major minerals project (Yes/No)? **Yes**

11. No. of Mineral to be Mined with name: **One (Coal)**

12. Details of mine lease: -

(i) Date of entering into original lease deed: 17.10.1927

(ii) Date of expiry of original lease deed: 16.10.1957

(iii) Date of 1st lease renewal: 17.10.1957

(iv) Whether renewal or deemed renewal: **Renewal**

(v) Date of expiry of 1st lease renewal/deemed renewal: 31.12.1984

(vi) Date of 2nd lease renewal: 01.01.1985

(vii) Whether renewal or deemed renewal: **Renewal**

(viii) Date of expiry of 2nd lease renewal / deemed renewal: 31.12.2014

(ix) Date of 3rd lease renewal: 01.01.2015

(x) Whether renewal or deemed renewal: **Renewal**

(xi) Date of expiry of 3rd lease renewal / deemed renewal: 31.12.2034

13. Details of DGMS permission, if any: - **Obtained**

14. Details of past production of mine since its inception duly in tabular form:

| Year | EC Capacity((M TPA) | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) |
|---------|---------------------|--------------------------|--|
| 1993-94 | | 0.555 | 0.105 |
| 1994-95 | | 0.528 | 0.078 |
| 1995-96 | | 0.418 | |
| 1996-97 | | 0.757 | 0.307 |
| 1997-98 | | 0.564 | 0.114 |

| | | | |
|---------|-------|-------|-------|
| 1998-99 | 0.45 | 0.348 | |
| 1999-00 | | 0.297 | |
| 2000-01 | | 0.208 | |
| 2001-02 | | 0.195 | |
| 2002-03 | | 0.165 | |
| 2003-04 | | 0.393 | |
| 2004-05 | | 0.349 | |
| 2005-06 | | 0.456 | 0.006 |
| 2006-07 | | 0.290 | |
| 2007-08 | | 0.410 | |
| 2008-09 | | 0.545 | 0.095 |
| 2009-10 | | 0.588 | 0.138 |
| 2010-11 | | 0.45 | 0.316 |
| 2011-12 | 0.432 | | |
| 2012-13 | 0.505 | | 0.055 |
| 2013-14 | 0.430 | | |
| 2014-15 | 0.351 | | |
| 2015-16 | 0.351 | | |
| 2016-17 | 0.312 | | |
| 2017-18 | 0.211 | | |

15. Details of Violation: Production exceeded as shown in the above table.

16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:

- (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: **10.04.2018**
- (ii) Date of appraisal of EAC/SEAC meetings so far: **Fresh Proposal**
- (iii) Observations/recommendations of the EAC/SEAC in each meeting: **Not applicable**
- (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: **Nil**
- (v) Complaint case filed by the State Government/State Pollution Control Board: **Nil**
- (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: **Nil**
- (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: **Not applicable**
- (viii) Legal interventions, if any : **Nil**

20.3.11.3

Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:

| | |
|-------------------------|--|
| | <p>Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.</p> <p>However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.</p> <p>Therefore, instant proposal is <i>deferred</i> till the required submission is made by PP.</p> <p>In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.</p> |
| <p>20.3.11.4</p> | <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 13th EAC meeting held on held on 18th-20th September 2018 till the required submission is made by PP.</p> <p>The EAC noted that PP has now submitted the required affidavit along with the revised Form1 application and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) :</p> <ul style="list-style-type: none"> (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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 EMP comprising 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 in the EIA report by the accredited consultants. (vi) The PP is required to conduct public hearing as per EIA notification, 2006. (vii) One season base line data is to be collected and reported in the EIA/EMP report. (viii) Wildlife clearance is to be obtained from NBWL as the Sivaram Wild life Sanctuary is 9.3km from the mine boundary. |

| | |
|-------------------------|--|
| | <p>(ix) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC</p> <p>(x) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.</p> <p>(xi) 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>(xii) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.</p> <p>(xiii) Copy of approved mining plan is to be submitted.</p> <p>(xiv) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/ecological restoration plan shall be completed within three years and to be prepared accordingly.</p> <p>(xv) 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>20.3.12</p> | <p>Expansion of Gouthamkhani Opencast Coal Mining Project (2 MTPA to 4MTPA) in ML area 1113 Ha of M/s Singareni Collieries Company Ltd., located Village Gouthampur, Mandal Kothagudem, District Bhadradi Kothagudem, Telangana - Further consideration for Terms of Reference</p> <p>[IA/TG/CMIN/74139/2018 dated 10.04.2018] [F. No. 23-254/2018-IA.III (V)]</p> |
| <p>20.3.12.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74139/2018 dated 10.04.2018 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> |
| <p>20.3.12.2</p> | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. The Project Proponent made a detailed presentation on the salient features of Goutham Khani Opencast Expansion Project. 2. The project involves extraction of coal @ 2 MTPA (Proposed to 4 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 902 hectare at Gouthampur Village, Kothagudem Taluka/Mandal, Bhadradi Kothagudem District, Telangana (<i>State</i>). 3. The said project is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee 4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: No 5. River/ water body is flowing at a distance ofin..... direction.: A small ephemeral stream passes over the block. 6. Details of Forest issues, if any: 540.27 ha, Final(Stage-II) Approval Obtained 7. Details of Consent to Operate: |

- (i) Whether Consent to operate obtained (Yes/No)? If yes,
(ii) Date of issue: **22.03.2017**
(iii) Valid up to: **31.03.2022**
(iv) Submit Copies of all Consent to operate obtained since inception
- 8. Mine Capacity in ROM (Run of Mine): 2 MTPA (Proposed for 4 MTPA)**
- 9. Whether the proposal is mining of Minor minerals project (Yes/No)? No**
- 10. Whether the proposal is mining of Major minerals project (Yes/No)? Yes**
- 11. No. of Mineral to be Mined with name: One (Coal)**
- 12. Details of mine lease: -**
- (i) Date of entering into original lease deed: 01.01.1886
(ii) Date of expiry of original lease deed: 31.12.1984
(iii) Date of 1st lease renewal: 28.04.1999
(iv) Whether renewal or deemed renewal: Renewal
(v) Date of expiry of 1st lease renewal/deemed renewal: 27.04.2009
(vi) Date of 2nd lease renewal: 27.04.2009
(vii) Whether renewal or deemed renewal: Renewal
(viii) Date of expiry of 2nd lease renewal / deemed renewal: 26.04.2029
- 13. Details of DGMS permission, if any: - Obtained**
- 14. Details of past production of mine since its inception duly in tabular form:**

| Year | EC Capacity (MTPA) | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) |
|---------|--------------------|--------------------------|--|
| 1993-94 | 2.00 | 0.12 | - |
| 1994-95 | | 0.38 | - |
| 1995-96 | | 0.73 | - |
| 1996-97 | | 0.77 | - |
| 1997-98 | | 0.72 | - |
| 1998-99 | | 1.11 | - |
| 1999-00 | | 1.40 | - |
| 2000-01 | | 1.60 | - |
| 2001-02 | | 2.35 | 0.35 |
| 2002-03 | | 2.61 | 0.61 |
| 2003-04 | | 2.64 | 0.64 |
| 2004-05 | | 2.93 | 0.93 |
| 2005-06 | | 2.95 | 0.95 |
| 2006-07 | | 2.90 | 0.90 |
| 2007-08 | | 2.79 | 0.79 |

| | | |
|---------|------|------|
| 2008-09 | 3.35 | 1.35 |
| 2009-10 | 3.59 | 1.59 |
| 2010-11 | 3.32 | 1.32 |
| 2011-12 | 3.22 | 1.22 |
| 2012-13 | 3.21 | 1.21 |
| 2013-14 | 2.83 | 0.83 |
| 2014-15 | 2.42 | 0.42 |
| 2015-16 | 2.73 | 0.73 |
| 2016-17 | 3.25 | 1.25 |
| 2017-18 | 3.42 | 1.42 |

15. Details of Violation : Production exceeded from 2001-02.

16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:

- (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: **10.04.2018**
- (ii) Date of appraisal of EAC/SEAC meetings so far: **Fresh Proposal**
- (iii) Observations/recommendations of the EAC/SEAC in each meeting: **Not applicable**
- (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: **Nil**
- (v) Complaint case filed by the State Government/State Pollution Control Board: **Nil**
- (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: **Nil**
- (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: **Not applicable**
- (viii) Legal interventions, if any : **Nil**

20.3.12.3

Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:

During presentation proponent has submitted an application along with revised Form 1 and prefeasibility report for the modification in the prefeasibility report regarding land use, post mining closure, year wise top soil management plan and plantation program. There is no change in the total land requirement in the application submitted earlier.

Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.

However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.

Therefore, instant proposal is *deferred* till the required submission is made by PP.

In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.

20.3.12.4

The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was **deferred in the 13th EAC meeting held on held on 18th-20th September 2018** till the required submission is made by PP. The EAC further noted that present proposal is for expansion from 2.0 MTPA to 4 MTPA instead of 0.2 MTPA as mentioned in project title in the agenda and therefore recommended for the necessary correction in minutes.

The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, **recommended for issuing Standard Term of Reference along with the following specific Term of Reference** for undertaking EIA and preparation of Environment Management Plan (EMP):

- (i) (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion.
- (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 EMP comprising 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 in the EIA report by the accredited consultants.
- (vi) The PP is required to conduct public hearing as per EIA notification, 2006.
- (vii) One season base line data is to be collected and reported in the EIA/EMP report.
- (viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC
- (ix) 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.
- (x) 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.
- (xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.
- (xii) Copy of approved mining plan is to be submitted.

| | |
|-------------------------|--|
| | <p>(xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/ecological restoration plan shall be completed within three years and to be prepared accordingly.</p> <p>(xiv) 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>20.3.13</p> | <p>Ravindra Khani-6 (RK-6) Incline Underground Coal Mine Expansion Project (0.50 MTPA) in ML area 306Ha of M/s Singareni Collieries Company Ltd., located Villages Singapur & Thallapalli in Mancherial Mandal and Kankur & Ramaraopet in Jaipur Mandal, District Mancherial, Telangana - Further 20th EAC (Violation) 28th -29th March, 2020_Agenda Page 3 of 30 consideration for Terms of Reference [IA/TG/CMIN/74182/2018 dated 11.04.2018] [F. No. 23-255/2018-IA.III (V)]</p> |
| <p>20.3.13.1</p> | <p>M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74182/2018 dated 11.04.2018 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> |
| <p>20.3.13.2</p> | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. The Project Proponent made a detailed presentation on the salient features of Ravindra Khani-6 Incline Underground Coal Mine Expansion Project. 2. The project involves extraction of coal @ 0.5 MTPA (Proposed for 0.5 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 306 hectares at Singapur, Thallapalli, Kankur and Ramaraopet Villages, Mancherial Taluka/Mandal, Mancherial District, Telangana (<i>State</i>). 3. The said project is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal . 4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: No 5. River/ water body is flowing at a distance ofin..... direction. Nil 6. Details of Forest issues, if any: 276.30 ha, Final(Stage-II) Approval Obtained 7. Details of Consent to Operate: <ol style="list-style-type: none"> (i) Whether Consent to operate obtained (Yes/No)? Yes (ii) Date of issue: 06.08.2016 (iii) Valid up to: 30.06.2021 (iv) Submit Copies of all Consent to operate obtained since inception 8. Mine Capacity in ROM (Run of Mine): 0.5 MTPA (Proposed for 0.5 MTPA) 9. Whether the proposal is mining of Minor minerals project (Yes/No)? No 10. Whether the proposal is mining of Major minerals project (Yes/No)? Yes 11. No. of Mineral to be Mined with name: One (Coal) 12. Details of mine lease: - <ol style="list-style-type: none"> (i) Date of entering into original lease deed: 1. 05.08.1931 (NGML) 2. 29.07.1980 (IML) 3. 09.12.2009 (IEML) |

(ii) Date of expiry of original lease deed: 1. 04.08.1961 (NGML) 2. 28.07.2000 (IML) 3. 08.12.2039 (IEML)

(iii) Date of 1st lease renewal: 1. 05.08.1961 (NGML) 2. 24.07.2000 (IML)

(iv) Whether renewal or deemed renewal: Renewal

(v) Date of expiry of 1st lease renewal/deemed renewal: 1. 31.12.1984 (NGML) 2. 23.07.2020 (IML)

(vi) Date of 2nd lease renewal: 22.05.2000 (NGML)

(vii) Whether renewal or deemed renewal: Renewal

(viii) Date of expiry of 2nd lease renewal / deemed renewal: 21.05.2010 (NGML)

(ix) Date of 3rd lease renewal: 22.05.2010 (NGML)

(x) Whether renewal or deemed renewal: Renewal

(xi) Date of expiry of 3rd lease renewal / deemed renewal: 21.05.2030 (NGML)

13. Details of DGMS permission, if any: - Obtained

14. Details of past production of mine since its inception duly in tabular form:

14. Details of past production of mine since its inception duly in tabular form:

| Sl. No | Year | Coal (in MT) | | Excess over EC capacity in MT |
|--------|-----------|---|-----------|-------------------------------|
| | | As per EC MT | Actual MT | |
| 1. | 1993-94 | Base level Production Starts from 1993-94 | 0.406 | -- |
| 2. | 1994-95 | | 0.401 | -- |
| 3. | 1995-96 | | 0.320 | -- |
| 4. | 1996-97 | | 0.287 | -- |
| 5. | 1997-98 | | 0.272 | -- |
| 6. | 1998-99 | | 0.286 | -- |
| 7. | 1999-2000 | | 0.281 | -- |
| 8. | 2000-01 | | 0.327 | -- |
| 9. | 2001-02 | | 0.346 | -- |
| 10. | 2002-03 | | 0.313 | -- |
| 11. | 2003-04 | | 0.353 | -- |
| 12. | 2004-05 | | 0.336 | -- |
| 13. | 2005-06 | | 0.328 | -- |
| 14. | 2006-07 | | 0.389 | -- |
| 15. | 2007-08 | | 0.490 | 0.084 |
| 16. | 2008-09 | 0.50 | 0.477 | -- |
| 17. | 2009-10 | | 0.506 | 0.006 |
| 18. | 2010-11 | | 0.494 | -- |
| 19. | 2011-12 | | 0.375 | -- |

| | | | | |
|-------|---------|--|--------------|--------------|
| 20. | 2012-13 | | 0.476 | -- |
| 21. | 2013-14 | | 0.466 | -- |
| 22. | 2014-15 | | 0.445 | -- |
| 23. | 2015-16 | | 0.442 | -- |
| 24. | 2016-17 | | 0.462 | -- |
| 25. | 2017-18 | | 0.471 | -- |
| Total | | | 9.751 | 0.090 |

15. Details of Violation: Production exceeded as shown in the above table, in order to meet the power demand.

16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under: (**Note: Do not furnish details in Annexures**)

(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: **11.04.2018**

(ii) Date of appraisal of EAC/SEAC meetings so far: **Fresh Proposal**

(iii) Observations/recommendations of the EAC/SEAC in each meeting: **Not applicable**

(iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: **Nil**

(v) Complaint case filed by the State Government/State Pollution Control Board: **Nil**

(vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: **Nil**

(vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Not applicable

(viii) Legal interventions, if any : **Nil**

20.3.13.3

Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:

Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.

However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.

Therefore, instant proposal is *deferred* till the required submission is made by PP.

In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.

20.3.13.4

The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was **deferred in the 13th EAC meeting held on held on 18th-20thSeptember 2018** till the required submission is made by PP.

The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the

information presented and submitted by the PP, **recommended for issuing Standard Term of Reference along with the following specific Term of Reference** for undertaking EIA and preparation of Environment Management Plan (EMP) subject to submission of revised Form1:

- (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion.
- (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 EMP comprising 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 in the EIA report by the accredited consultants.
- (vi) The PP is required to conduct public hearing as per EIA notification, 2006.
- (vii) One season base line data is to be collected and reported in the EIA/EMP report.
- (viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC
- (ix) 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.
- (x) 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.
- (xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.
- (xii) Copy of approved mining plan is to be submitted.
- (xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage and subsequent conservation shall be completed within three years and to be prepared accordingly.
- (xiv) 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.

| | |
|-----------|---|
| 20.3.14 | Kalyan Khani-5 (KK-5) Incline Underground Coal Mine Expansion Project (0.50 MTPA peak) of M/s Singareni Collieries Company Ltd., located in Village & Mandal Mandamarri, District Adilabad, Telangana - Further consideration for Terms of Reference [IA/TG/CMIN/74212/2018 dated 11.04.2018] [F. No. 23-256/2018-IA.III (V)] |
| 20.3.14.1 | M/s Singareni Collieries Company Ltd has made online application vide proposal no. IA/TG/CMIN/74212/2018 dated 11.04.2018 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. |
| 20.3.14.2 | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. The Project Proponent made a detailed presentation on the salient features of Kalyan Khani-5 Incline Underground Coal Mine Expansion Project. 2. The project involves extraction of coal @ 0.5 MTPA (Proposed for 0.5 MTPA) by M/s Singareni Collieries Company Ltd. in an area of 755.10 hectares at Shankarpalli Village, Mandamarri Taluka/Mandal, Mancherial District, Telangana (<i>State</i>). 3. The said project/activity is covered under category 1 (a) of item Mining of Minerals of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee 4. Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project]: No 5. River/ water body is flowing at a distance ofin..... direction. Nil 6. Details of Forest issues, if any: Yes 229.36, Final(Stage-II) approval Obtained. 7. Details of Consent to Operate: <ol style="list-style-type: none"> (i) Whether Consent to operate obtained (Yes/No)? Yes (ii) Date of issue: 22.11.2017 (iii) Valid up to: 30.09.2018 (iv) Submit Copies of all Consent to operate obtained since inception 8. Mine Capacity in ROM (Run of Mine): 0.5 MTPA (Proposed for 0.5 MTPA) 9. Whether the proposal is mining of Minor minerals project (Yes/No)? No 10. Whether the proposal is mining of Major minerals project (Yes/No)? Yes 11. No. of Mineral to be Mined with name: One (Coal) 12. Details of mine lease: - <ol style="list-style-type: none"> (i) Date of entering into original lease deed: 05.08.1931 (ii) Date of expiry of original lease deed: 04.08.1961 (iii) Date of 1st lease renewal: 05.08.1961 (iv) Whether renewal or deemed renewal: Renewal (v) Date of expiry of 1st lease renewal/deemed renewal: 31.12.1984 (vi) Date of 2nd lease renewal: 22.05.2000 (vii) Whether renewal or deemed renewal: Renewal (viii) Date of expiry of 2nd lease renewal / deemed renewal: 21.05.2010 |

(ix) Date of 3rd lease renewal: 22.05.2010

(x) Whether renewal or deemed renewal: Renewal

(xi) Date of expiry of 3rd lease renewal / deemed renewal: 21.05.2030

13. Details of DGMS permission, if any: - Obtained

14. Details of past production of mine since its inception duly in tabular form:

| Year | 1993-94 Baselevel / EC Capacity | Actual Production (MTPA) | Excess production beyond the EC sanctioned capacity (MTPA) |
|-------------|--|-------------------------------------|---|
| 1961-62 | | 0.015 | |
| 1962-63 | | 0.103 | |
| 1963-64 | | 0.120 | |
| 1964-65 | | 0.125 | |
| 1965-66 | | 0.119 | |
| 1966-67 | | 0.253 | |
| 1967-68 | | 0.257 | |
| 1968-69 | | 0.235 | |
| 1969-70 | | 0.253 | |
| 1970-71 | | 0.243 | |
| 1971-72 | | 0.237 | |
| 1972-73 | | 0.245 | |
| 1973-74 | | 0.246 | |
| 1974-75 | | 0.207 | |
| 1975-76 | | 0.272 | |
| 1976-77 | | 0.271 | |
| 1977-78 | | 0.281 | |
| 1978-79 | | 0.288 | |
| 1979-80 | | 0.266 | |
| 1980-81 | | 0.230 | |
| 1981-82 | | 0.254 | |
| 1982-83 | | 0.205 | |
| 1983-84 | | 0.217 | |
| 1984-85 | | 0.210 | |
| 1985-86 | | 0.254 | |
| 1986-87 | | 0.240 | |
| 1987-88 | | 0.291 | |
| 1988-99 | | 0.227 | |

| | | | |
|---------|-------|-------|-------|
| 1989-90 | | 0.296 | |
| 1990-91 | | 0.202 | |
| 1991-92 | | 0.222 | |
| 1992-93 | | 0.221 | |
| 1993-94 | 0.265 | 0.265 | |
| 1994-95 | | 0.265 | |
| 1995-96 | | 0.289 | 0.024 |
| 1996-97 | | 0.202 | |
| 1997-98 | | 0.217 | |
| 1998-99 | | 0.367 | 0.102 |
| 1999-00 | | 0.419 | 0.154 |
| 2000-01 | | 0.492 | 0.227 |
| 2001-02 | | 0.491 | 0.226 |
| 2002-03 | | 0.486 | 0.221 |
| 2003-04 | | 0.396 | 0.131 |
| 2004-05 | | 0.308 | 0.043 |
| 2005-06 | | 0.302 | 0.037 |
| 2006-07 | | 0.307 | 0.042 |
| 2007-08 | 0.50 | 0.306 | |
| 2008-09 | | 0.507 | 0.007 |
| 2009-10 | | 0.537 | 0.037 |
| 2010-11 | | 0.391 | |
| 2011-12 | | 0.299 | |
| 2012-13 | | 0.325 | |
| 2013-14 | | 0.254 | |
| 2014-15 | | 0.231 | |
| 2015-16 | | 0.216 | |
| 2016-17 | | 0.231 | |
| 2017-18 | | 0.247 | |

15. Details of Violation: Production exceeded as shown in the above table.

16. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:

(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: **12.04.2018**

(ii) Date of appraisal of EAC/SEAC meetings so far: **Fresh Proposal**

(iii) Observations/recommendations of the EAC/SEAC in each meeting: **Not applicable**

(iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: **Nil**

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| | <p>(v) Complaint case filed by the State Government/State Pollution Control Board: Nil</p> <p>(vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil</p> <p>(vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above: Not applicable</p> <p>(viii) Legal interventions, if any: Nil</p> <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> |
| <p>20.3.14.3</p> | <p>Observations and recommendations of committee of 13th EAC meeting held on held on 18th-20thSeptember 2018:</p> <p>Project of Singareni Collieries company ltd was presented before the EAC for its technical and scientific assessment and damages that have taken place due to violation of EIA notification and other technical matters such as preparation of quality EIA report based on quantification of data, mitigation measures etc. PP also made aware of parameters of remediation plan.</p> <p>However, since the Ministry official brought it to the notice of the committee that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement in the earlier appraised cases as well as present project appraised in this meeting i.e on 20th Sept., 2018.</p> <p>Therefore, instant proposal is <i>deferred</i> till the required submission is made by PP.</p> <p>In the event of the submission of affidavit to the satisfaction of the Ministry, then the decision will be taken by the EAC in the next meeting under any other item.</p> |
| <p>20.3.14.4</p> | <p>The committee observed that required affidavit as per the Ministry's OM dated 30th May, 2018 was not submitted by the PP in the prescribed format. Hence, PP have not full filled the mandatory requirement and the instant proposal was deferred in the 13th EAC meeting held on held on 18th-20thSeptember 2018 till the required submission is made by PP.</p> <p>The EAC noted that PP has now submitted the required affidavit and allowed PP to present the brief technical presentation on the instant proposal. The EAC, after detailed deliberations on the information presented and submitted by the PP, recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) subject to submission of revised Form1:</p> <ul style="list-style-type: none"> (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (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. |

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| | <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>(v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) One season base line data is to be collected and reported in the EIA/EMP report.</p> <p>(viii) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC</p> <p>(ix) 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>(x) 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>(xi) Declaration by way of undertaking is to be submitted by the PP that remediation plan will be implemented within the life of mine or with the closure plan.</p> <p>(xii) Copy of approved mining plan is to be submitted.</p> <p>(xiii) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage/ restoration shall be completed within three years and to be prepared accordingly.</p> <p>(xiv) 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>Day 2:</p> | |
| <p>Friday, 29th March, 2019 Time: 10:00 AM</p> | |
| <p>20.4.1</p> | <p>Group housing project 'Spaze Privy AT-4' at village Sihi, Sector - 84, Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance [IA/HR/MIS/84503/2017 dated 03.11.2018] [F. No. 23-32/2018-IA-III]</p> |
| <p>20.4.1.1</p> | <p>M/s Spaze Towers Pvt. Ltd. has made online application vide proposal no. IA/HR/MIS/84503/2017 dated 03.11.2018 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.</p> |
| <p>20.4.1.2</p> | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project title, location (plot No. / Village / Tehsil / District):- Group Housing "Spaze Privy At4" at Village-Sihi, Sector-84, Gurgaon, Haryana 2. Salient features of the project <ul style="list-style-type: none"> • Land Use –Land Use of land has already been changed to Group Housing. |

Total plot area is 42540.72m²

Total Built-up area – 1,18,795.578 m²

- Total water requirement and its source :- Total water requirement will be 443 KLD in which fresh water requirement will be 258 KLD and Treated water will be 321 KLD. The fresh water will be sourced from HUDA/Municipal Supply.
- Waste water generation, treatment and disposal: - Total quantity of wastewater generation shall be 355 KLD (206 KLD from domestic uses & 149 KLD from flushing). The 355 KLD of generated waste water shall be treated in STP of 400 KLD. The treated water generation from STP will be 321 KLD out of which 185 KLD shall be reused for flushing, DG Cooling & Gardening, Excess 135 KLD shall be discharged in sewer line.
- Municipal solid waste generated disposal facility :- Around 1378 kg/day of municipal solid waste will be generated from the complex. Biodegradable waste of 964kg/day shall be treated in organic waste converter of the complex and recyclable (344 Kg/day) shall be given to approved recycler.
- Power requirement and source :- Total power requirement after expansion will be 4124 KW which will be met by DHBVN.
- Proposed energy saving measures:- Energy Saving Measures –
 - In the operational phase, appropriate energy conservation measures and management plan will be adopted in order to minimize the consumptions of non-renewable fuel.
 - LED will be used in place of incandescent lamps in office, common areas and parking.
 - Percentage saving in energy consumption due to use of CFL/LED will be 13 %.
 - Lighting and switching of common area shall be designed keeping in mind day light integration.
 - Roof insulation shall be planned to conserve energy.
 - D.G. sets would be provided with auto cut and auto start mechanism.
 - The water supply pumping system shall be provided with variable speed drive to conserve energy at part load.
 - Glass opening will be provided with-in the ECBC limit of 40 %.
 - Building will have appropriate design to shut out excess heat and gain loss.
 - Solar panel of 40 KW (1% of power load) shall be installed.
- RWH :- 11 no. of RWH pits are proposed in the complex. Structure of all pits has already been constructed.
- Car parking:- Total Parking provision is 798 ECS. Total parking requirement will be 798 ECS.
- Investment/Cost of the project :- Total cost of the project is Rs. 170.23 Crores.
- Benefits of the project:- Project Benefits –
 - It has provided employment to the people during construction and operation phase directly & indirectly.
 - It will increase in the infrastructure of the area & will be planned & managed development in the area and it will set precedent for others to develop planned Group Housing Complex which will cumulatively help the area to be much more managed in future.
 - It will provide a planned housing society with sport facility for residing children &

for children, Club & convenient shopping area to fulfil basic needs of the residents as well as the people of nearby areas, for the residents of the complex.

➤ The planned Residential Complex will prove to be an Environment friendly (with minimal air & noise pollution impacts & well managed waste & waste water) healthy & green (with proper landscaping), spacious (with proper parking, traffic circulation, play area & open spaces) & safe premise (a gated & guarded society) for living. People will have more open and green spaces, bringing them closer to nature & away from the rush & fuss of the polluted cities.

➤ Employment potential:- It has provided employment to the people during construction and operation phase directly & indirectly. 300 no. of labour during construction stage and 50 no. of persons as staff during operational phase.

3. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- The project is a Group Housing "Spaze Privy AT4". It falls under Category B item 8(a) under violation category.
4. Why appraisal/ approval is required at the Central level:- Since, the tenure of the SEAC Haryana committee was completed, hence we applied in MoEF&CC on 03.11.2018. The case was appraised in the 17th EAC meeting for the violation of EIA Notification, 2006 on 29.01.2019. Few queries were raised, the reply of the queries was submitted to MoEF&CC on 28.02.2019 online.
5. National Park/ Wild Life Sanctuary in 10 km radius area:- None
6. Eco-Sensitive Zone in 10 km radius area:- Sultanpur Bird Sanctuary falls at a distance of 8.4 km from project site in north west direction from it.
7. Details of Forest land involved, if any:- None
8. ToR Details :- Terms of Reference was granted by MoEF&CC vide letter no. F.No. 23-32/2018-IA-III dated 04.04.2018.
9. Details of Public Hearing and main issues raised / response of the PP:- Not applicable
10. If any court case pending for violation of the environmental laws (supported by an undertaking):- Initiation of prosecution action against M/Spaze Towers Pvt. Ltd. in Special Environment Court, Faridabad for violation of starting of construction of group housing project without obtaining prior environmental clearance under EIA Notification 2006 under section 15 read with section 19 of Environment Protection Act, 1986 vide Case no. 10/2019.
11. Land use planning:- Proposed Land Use-
 - Ground coverage (achieved)- 6362.42 m²
 - Green Area- 12762.216m²
 - Surface Parking- 4600 m²
 - Road & Open area- 23416.084m²
12. Ground water withdrawal approval from CGWA:- No abstraction of ground water.
13. For other sources, firm commitment of the water supply agency:- Water will be sourced through HUDA supply.
14. Undertaking to the effect that no activity has since been taken up:- Submitted
15. Appraisal by State Coastal Zone Management Authority (SCZMA):- NA.
16. Details of earlier EC, if any and compliance thereof:- Nil

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| | <p>17. Details of earlier appraisal by EAC / SEAC; observation and compliance: - Few queries were raised in 17th EAC meeting and therefore proposal was deferred.</p> <p>The reply of the queries was submitted to MoEF&CC. Now the case is enlisted in the 20th EAC Meeting for the violation of EIA Notification, 2006 scheduled on 29.03.2019.</p> |
| <p>20.4.1.3</p> | <p>Observations and recommendations of committee of 17th EAC meeting held on 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 presented <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. Certificate from Chief Wildlife Warden that proposed project is 9.16 Km away from the Sultanur bird sanctuary. 3. Since STP waste water was used during construction and likely impact on health be assessed and presented. 4. Rework the damage assessment work cost over and above CER/EMP cost. 5. Ionic balance of water quality and along with soil quality is to be rechecked. 6. Proof for action initiated against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986. 7. 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 environment shall consider impact of topsoil removal/ handling of construction materials .Air quality modelling with details of inputs and incremental ground level concentration due to construction and transportation with and without control measures and impact on base line data pre-& post construction. • Water – Surface & Storm water quantity during monsoon and surface runoff pollution by suspended solids and waste water generation during construction. • Cumulative domestic consumption for 300 labours during the construction period of 4/5 years and apart from total quantity of water for construction. • Ground water – Impact on Ground water Recharge and obstruction of Rainwater percolation over the construction area. Ground water extraction from the basements. • Non-provision of Rain water harvesting system during construction. Contamination of Ground Water / Surface water by untreated sewage of construction workers. • Occupational Health: Health issues to be considered due to impact on health of construction and nearby habitations. • LULC comparison and Analysis. • Impact on Local infrastructure due to inflow of construction workers. • ECBC compliance with specific energy savings and impacts of noncompliance. |
| <p>20.4.1.4</p> | <p>Observations and recommendations of present EAC:</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. |

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| | <ol style="list-style-type: none"> 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. 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 and ecological restoration/conservation plan shall be revised. 15. Year wise (3 years) summary for the remediation plan, natural resource and community resource augmentation plan shall be submitted. |
| 20.4.2 | Commercial Complex 'Spaze Boulevard I' at village Tikri, Sector - 47, Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance [IA/HR/MIS/84715/2017 dated 05.11.2018] [F. No. 23-39/2018-IA-III] |
| 20.4.2.1 | M/s Spaze Towers Pvt. Ltd has made online application vide proposal no. IA/HR/MIS/84715/2017 dated 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. |
| 20.4.2.2 | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project title, location (plot No. / Village / Tehsil / District):-Commercial Complex "SpazeBoulevard I" at Village-Tikri, Sector-47, Gurgaon, Haryana 2. Salient features of the project <ul style="list-style-type: none"> • Land Use – Land Use of land has already been changed to Commercial Complex. Total plot area -11537.50m² Net plot area – 8653.43 m² Total Built-up area – 29,523.05 m² • Total water requirement and its source :- Total water requirement will be 164KLDin which fresh water requirement will be 21 KLD and Treated water will be 143 KLD. The fresh water will be sourced from HUDA Supply. • Waste water generation, treatment and disposal: - Total quantity of wastewater generation shall be 66 KLD. The 66 KLD of generated sewage shall be treated in STP of 90 KLD. The treated water generation from STP will be 63 KLD shall be reused for flushing, DG Cooling & Gardening. 80 KLD treated water required for DG Cooling shall be sourced from outside STP treated water. It will be a zero-discharge complex. • Municipal solid waste generated disposal facility :- After expansion, around 285 kg/day of municipal solid waste will be generated from the complex. Biodegradable waste of 200kg/day shall be treated in organic waste converter of the complex and recyclable (71 Kg/day) and plastic waste (14kg/day) shall be given to approved recycler. • Power requirement and source :- Total power requirement after expansion will be 1800 |

KW which will be met by DHBVN.

- Proposed energy saving measures:- Energy Saving Measures –
 - Adequate design to limit the losses in transmission and distribution system.
 - Use of street solar lighting
 - Use of energy efficient devices like light sources.
 - 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.
 - 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 CFL/LED
 - RWH :- •2 no. of RWH pits are proposed in the complex. Structure of all pits has already been constructed.
 - Car parking:- •Total Parking requirement is 202 ECS. Total parking provision will be 268 ECS.
 - Investment/Cost of the project :- •Total cost of the project is Rs. 69.11 Crores.
 - Benefits of the project:- Project Benefits –
 - It has provided employment to the people during construction and operation phase directly & indirectly.
 - It has led to increase in the infrastructure of the area and encouraged others for further development of the area.
 - It will increase infrastructure of the area and will be a planned & managed development on the area.
 - The planned Commercial Complex will prove to be an Environment friendly (with minimal air & noise pollution impacts & well managed waste & waste water) healthy & green (with proper landscaping), spacious (with proper parking, traffic circulation, play area & open spaces) & safe premise (a gated & guarded society) for living. People will have more open and green spaces, bringing them closer to nature & away from the rush & fuss of the polluted cities.
- Employment potential:- It has provided employment to the people during construction and operation phase directly & indirectly. 120 no. of labour during construction stage and 1400 no. of persons as staff & employee during operational phase.

3. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- The project is a Commercial Complex “SpazeBoulevard I”. It falls under Category B schedule 8(a) under violation category.

4. Why appraisal/ approval is required at the Central level:- Since, the tenure of the SEAC Haryana committee was completed, hence we applied in MoEF&CC on 05.11.2018

5. National Park/ Wild Life Sanctuary in 10 km radius area:- None

6. Eco-Sensitive Zone in 10 km radius area:- None

7. Details of Forest land involved, if any:- None

8. ToR Details :- Terms of Reference was granted by MoEF&CC vide letter no. F.No. 23-39/2018-IA-III dated 07.06.2018.

9. Details of Public Hearing and main issues raised / response of the PP:- Not applicable

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| | <p>10. If any court case pending for violation of the environmental laws (supported by an undertaking):- Initiation of prosecution against M/s Spaze Towers Pvt. Ltd., Spazedge, Commercial Complex, Sector-47, Gurugram, Sohna Road, Gurugram and M/s Automax Construction Ltd. For violation of EIA Notification, 206 (For proposed Commercial Complex “Boulevard-I” at Sector-47, Village- Tikri, Gurgaon) in Special Environment Court, Faridabad under section 15 read with section 19 of Environment Protection Act, 1986 vide letter no. HSPCB/GRN/2018/4915 dated 27.02.2019.</p> <p>11. Land use planning:- Proposed Land Use- Ground coverage (achieved)- 3461.26 m2 Green Area- 1730.68m2 Road & Open area- 3461.49m2</p> <p>12. Ground water withdrawal approval from CGWA:- No abstraction of ground water.</p> <p>13. For other sources, firm commitment of the water supply agency:- Water will be sourced through HUDA supply.</p> <p>14. Undertaking to the effect that no activity has since been taken up:- Undertaking shall be submitted by the project proponent at the time of meeting.</p> <p>15. Appraisal by State Coastal Zone Management Authority (SCZMA):- NA.</p> <p>16. Details of earlier EC, if any and compliance thereof:- Nil</p> <p>17. Details of earlier appraisal by EAC / SEAC; observation and compliance:- The project was applied for environmental clearance on date 1.12.2010 at Haryana SEIAA. Thereafter there were certain shortcoming in the application and the required documents were submitted. The case was then appraised in 54th SEAC Meeting dated 23.02.2011 where SEAC had few observations and meanwhile the construction was started at the site. Reconsideration meeting of SEAC, Haryana (56th) was then held on 29.03.2011. Meanwhile in the year 2011, SEAC Haryana committee was dissolved. The case was then transferred to MOEF vide file no. 353/SEIAA (H/2011-IA-II) for which no appraisal was done in the year 2011 and the license expired. Thereafter, reconsideration appraisal of project was again done in 81st Meeting of SEAC dated 10.05.2013 and queries were raised against license. After which, reconsideration appraisal of project was again done in 87th Meeting dated 22.07.2013 of SEAC and queries were raised against the status of construction and Board Resolution. Again, reconsideration appraisal of project was done in 91st Meeting of SEAC dated 19.09.2013 and project was declared under violation. Another SEAC Reconsideration meeting, 106th meeting dated 18.07.2014 was held and site visit was ordered. Thereafter, application under violation Notification no. S.O 804 (E) was submitted in MOEF&CC on 09.05.2017. TOR was granted by MOEF&CC vide F.No 23-39/2018-IA-III on date 07.06.2018. EIA with baseline data Feb-2018 was submitted in Haryana, SEAC on 11.07.2018 but the case was not appraised. Now, the tenure of Haryana SEAC has been completed. Therefore, EIA along with its documents have been submitted at MoEF& CC on 5.11.2018. The case was appraised in the 17th EAC meeting for the violation of EIA Notification, 2006 on 29.01.2019 and was deferred for want of some additional information.</p> <p>The reply of the queries was submitted to MoEF&CC on 28.02.2019. Now the case is enlisted in the 20th EAC Meeting for the violation of EIA Notification, 2006 scheduled on 29.03.2019.</p> |
| 20.4.2.3 | Observations and recommendations of committee of 17th EAC meeting held on held on, 29-31 January, 2019: |

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| | <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. • Noise 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 remediated. |
| <p>20.4.2.4</p> | <p>Observations and recommendations of present EAC:</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. 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. |

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| | 15. Year wise (3 years) summary for the remediation plan, natural resource and community resource augmentation plan shall be submitted. |
| 20.4.3 | 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] |
| 20.4.3.1 | 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. |
| 20.4.3.2 | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project title, location (plot No. / Village / Tehsil / District):- Commercial Complex "SpazeBoulevard II" at Village-Tikri, Sector-47, Gurgaon, Haryana 2. Salient features of the project <ul style="list-style-type: none"> • Land Use – Land Use –Land Use of land has already been changed to Commercial Complex. Total plot area is 8979.96m² Total Built-up area – 23602.666 m² • Total water requirement and its source :- Total water requirement will be 106 KLD out of which fresh water requirement will be 40 KLD and Treated water will be 66 KLD. The fresh water will be sourced from HUDA Supply. • Waste water generation, treatment and disposal: - Total quantity of wastewater generation shall be 70 KLD which shall be treated in STP of 100 KLD. The treated water generation from STP will be 66 KLD shall be reused for flushing, DG&HVAC Cooling & Gardening & Miscellaneous purposes. It will be a zero-discharge complex. • Municipal solid waste generated disposal facility After expansion, around 336 kg/day of municipal solid waste will be generated from the complex. Biodegradable waste of 235kg/day shall be treated in organic waste converter of the complex and recyclable (84 Kg/day) shall be given to approved recycler. • Power requirement and source :- Total power requirement after expansion will be 1983 KW which will be met by DHBVN. • Proposed energy saving measures:- Energy Saving Measures – <ul style="list-style-type: none"> ➤ Adequate design to limit the losses in transmission and distribution system. ➤ Use of energy efficient devices like light sources. ➤ Use of insulation on roof top to reduce air-conditioning load in commercial area. ➤ 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. ➤ All high efficiency motors will be used in the complex. ➤ Air tunnels in the design to provide cross-ventilation for reducing power consumption. • RWH :- 2 no. of RWH pits are proposed in the complex. Structure of all pits has already been constructed. • Car parking:- Total Parking required is 178 ECS. Total parking provision will be 214 ECS. • Investment/Cost of the project :- •Total cost of the project is Rs. 46.76 Crores. |

• Benefits of the project:- Project Benefits –

- It has provided employment to the people during construction and operation phase directly & indirectly.
- It has led to increase in the infrastructure of the area and encouraged others for further development of the area.
- It will increase infrastructure of the area and will be a planned & managed development on the area.
- The planned Commercial Complex will prove to be an Environment friendly (with minimal air & noise pollution impacts & well managed waste & waste water) healthy & green (with proper landscaping), spacious (with proper parking, traffic circulation, play area & open spaces) & safe premise (a gated & guarded society) for living. People will have more open and green spaces, bringing them closer to nature & away from the rush & fuss of the polluted cities.
- Employment potential:- It has provided employment to the people during construction and operation phase directly & indirectly. 150 no. of labour during construction stage and 554 no. of persons as staff & employee during operational phase.

3. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- The project is a Commercial Complex “Spaze Boulevard II”. It falls under Category B schedule 8(a) under violation category.
4. Why appraisal/ approval is required at the Central level:- Since, the tenure of the SEAC Haryana committee was completed, hence we applied in MoEF&CC on 05.11.2018
5. National Park/ Wild Life Sanctuary in 10 km radius area:- There is No national park/Wild Life Sanctuary in 10 km radius of the site.
6. Eco-Sensitive Zone in 10 km radius area:- None
7. Details of Forest land involved, if any:- None
8. ToR Details :- Terms of Reference was granted by MoEF&CC vide letter no. F.No. 23-40/2018-IA-III dated 16.04.2018.
9. Details of Public Hearing and main issues raised / response of the PP:- Not applicable
10. If any court case pending for violation of the environmental laws (supported by an undertaking):- Initiation of prosecution against M/s Spaze Towers Pvt. Ltd., Spazedge, Commercial Complex, Sector-47, Gurugram, Sohna Road, Gurugram and M/s Automax Construction Ltd. For violation of EIA Notification, 206 (For proposed Commercial Complex “Boulevard-I” at Sector-47, Village- Tikri, Gurgaon) in Special Environment Court, Faridabad under section 15 read with section 19 of Environment Protection Act, 1986 vide letter no. HSPCB/GRN/2018/4916 dated 27.02.2019.
11. Land use planning:- Proposed Land Use-
 - Ground coverage (achieved)- 2969.53 m²
 - Green Area- 1528.657m²
 - Road & Open area- 3145.098m²
12. Ground water withdrawal approval from CGWA:- No abstraction of ground water.
13. For other sources, firm commitment of the water supply agency:- Water will be sourced through HUDA supply.
14. Undertaking to the effect that no activity has since been taken up:- Undertaking shall be submitted by the project proponent at the time of meeting.

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| | <p>15. Appraisal by State Coastal Zone Management Authority (SCZMA):- NA.</p> <p>16. Details of earlier EC, if any and compliance thereof:- NA</p> <p>17. Details of earlier appraisal by EAC / SEAC; observation and compliance:- The project was applied for environmental clearance on date 13.09.2012 at Haryana SEIAA. Thereafter there were certain shortcoming in the application and the required documents were submitted. SEIAA appraised the project in 64th Meeting dated 04/01/2014 and decided to delist the case as per recommendation of SEAC. Show Cause Notice was issue vide order no. HSPCB/GRN/2016/6727-28 dated 20/07/2016 under Section 15 of EPA, 1986 for violation of amended EIA Notification dated 14/09/2006. Thereafter, application under violation Notification No. S.O 804 (E) was submitted in MOEF&CC dated 09.05.2017.TOR was granted by MOEF&CC vide F. No. 23-40/2018-IA-III dated 16.04.2018. EIA with baseline data Feb-2018 was submitted in Haryana, SEAC on 11.07.2018 but the case was not appraised. Now, the tenure of Haryana SEAC has been completed. Therefore, EIA along with its documents have been submitted at MoEF& CC on 5.11.2018. The case was appraised in the 17th EAC meeting for the violation of EIA Notification, 2006 on 29.01.2019 and was deferred for some additional information.</p> <p>The reply of the queries was submitted to MoEF&CC on 28.02.2019. Now the case is enlisted in the 20th EAC Meeting for the violation of EIA Notification, 2006 scheduled on 29.03.2019.</p> |
| <p>20.4.3.3</p> | <p>Observations and recommendations of committee of 17th EAC meeting held on 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. |
| <p>20.4.3.4</p> | <p>Observations and recommendations of present EAC:</p> |

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| | <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. |
| <p>20.4.4</p> | <p>Commercial Complex 'Spaze Corporate Park' at village Badshahpur, Sector 69-70, District Gurgaon, Haryana by M/s Spaze Towers Pvt. Ltd. - Further consideration for Environmental Clearance</p> <p>[IA/HR/MIS/84852/2017 date 06.11.2018] [F. No. 23-20/2020-IA.III (V)]</p> |
| <p>20.4.4.1</p> | <p>M/s Spaze Towers Pvt. Ltd. has made online application vide proposal no. IA/HR/MIS/84852/2017 date 06.11.2018 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.</p> |
| <p>20.4.4.2</p> | <p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project title, location (plot No. / Village / Tehsil / District):- Commercial Complex "SpazeCorporateParkk" at Village-Badshahpur, Sector-69-70, District-Gurgaon, Haryana 2. Salient features of the project <ul style="list-style-type: none"> • Land Use – Land Use of land has already been changed from agricultural land to Commercial Complex. Total plot area is 16009.338m2 Total Built-up area – 46264.209 m2 • Total water requirement and its source :- Total water requirement will be 281 KLD in which fresh water requirement will be 58 KLD and Treated water will be 223 KLD out of which 172 KLD will be met by in-house treated water and rest 51 KLD will be met by outside STP treated water. The fresh water will be sourced from HUDA/Municipal Supply. • Waste water generation, treatment and disposal: - Total quantity of wastewater generation |

shall be 180 KLD which shall be treated in STP of 195 KLD (150 KLD for Tower A and 45 KLD for Tower B). The treated water generation from STP will be 172 KLD which shall be reused for flushing, DG & HVAC Cooling, Gardening and Miscellaneous. 51 KLD of STP treated water shall be provided by outsourced STP for DG & HVAC Cooling.

- Municipal solid waste generated disposal facility :- Around 1801 kg/day of municipal solid waste will be generated from the complex. Biodegradable waste of 1261kg/day shall be treated in organic waste converter of the complex and recyclable (540 Kg/day) shall be given to approved recycler.
- Power requirement and source :- Total power requirement for Tower A and Tower B will be 3298kW which will be met by DHBVN.
- Proposed energy saving measures:- Energy Saving Measures –
 - Adequate design to limit the losses in transmission and distribution system.
 - 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 19% of energy will be saved using energy
- RWH :- 5 no. of RWH pits have already been installed in the complex (2 no. of RWH pits have already been installed in Tower B and 3 no. in Tower A).
- Car parking:- Total parking requirement will be 532 ECS. Total Parking provision is 542 ECS
- Investment/Cost of the project :- Total cost of the project is Rs. 82.90 Crores.
- Benefits of the project:- Project Benefits –
 - It has provided employment opportunities to the people during construction and operation phase directly & indirectly.
 - It has led to increase in the infrastructure of the area and encouraged others for further development of the area. It will be a planned & managed development in the area and it will set precedent for others to develop planned Commercial Complex which will cumulatively help the area to be much more managed in future.
 - Green area of 3836.47 sqm will be developed after completion of the project which will serve a positive influence toward the environment.
 - The construction and operation will promote a healthy environment for all involved, and it will not disrupt the land, water, resources and energy in and around the building. Energy efficient building material during construction stage will help in the reduced impact on environment directly & indirectly.
 - Additional revenue generation to the will be provided after completion of commercial complex.
 - Major income source to an important section of society and also to the upcoming investors.

3. Employment potential:- It has provided employment to the people during construction and operation phase directly & indirectly. 200 no. of labour during construction stage and 2948 no. of persons as staff & employee during operational phase.
4. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- The project is a Commercial Complex “Spaze Corporate Parkk”. It falls under Category B schedule 8(a) under violation category.
5. Why appraisal/ approval is required at the Central level:- Since, the tenure of the SEAC Haryana committee was completed, hence we applied in MoEF&CC on 06.11.2018
6. National Park/ Wild Life Sanctuary in 10 km radius area:- There is No national park/Wild Life Sanctuary in 10 km radius of the site.
7. Eco-Sensitive Zone in 10 km radius area:- None
8. Details of Forest land involved, if any:- None
9. ToR Details :- Terms of Reference was granted by SEIAA, Haryana vide letter no. SEIAA/HR/2-18/861 dated 07.08.2018.
10. Details of Public Hearing and main issues raised / response of the PP:- Not applicable
11. If any court case pending for violation of the environmental laws (supported by an undertaking):- Initiation of prosecution against M/s Spaze Towers Pvt. Ltd., Spazedge, Commercial Complex, Sector 47, Gurgaon, Sohna Road for violation of EIA notification, 2006 (For proposed Commercial Complex “Spaze Corporate Parkk” of 3.956 Acres at Sector 69-70, Village- Badshahpur, Gurgaon) in Special Environment Court, Faridabad under section 15 read with section 19 of Environment Protection Act, 1986 vide letter no. HSPCB/GRS/2018/4962 dated 17.1.2019.
12. Land use planning:- Proposed Land Use-
 - Ground coverage (achieved)- 2969.53 m²
 - Green Area- 1528.657m²
 - Road & Open area- 3145.098m²
13. Ground water withdrawal approval from CGWA:- No abstraction of ground water.
14. For other sources, firm commitment of the water supply agency:- Water will be sourced through HUDA supply.
15. Undertaking to the effect that no activity has since been taken up:- Undertaking shall be submitted by the project proponent at the time of meeting.
16. Appraisal by State Coastal Zone Management Authority (SCZMA):- NA.
17. Details of earlier EC, if any and compliance thereof:- NA
18. Details of earlier appraisal by EAC / SEAC; observation and compliance:- The project was applied for environmental clearance in year 2012 at Haryana SEIAA. There were certain shortcoming in the application and additional documents were submitted. Show cause notice was received vide letter no. HSPCB/GRS/2016/ dated 09.12.2016 for violation of EIA notification of 14.09.2006. Later, as per MoEF&CC OM no. Z-11013/22/2017-IA.II (M) dated 15.03.2018 , the project being violation case and falling under Category ‘B’ was appraised in SEIAA for grant of Terms of Reference (TOR). TOR was recommended in the 169th SEAC, Haryana meeting dated 18.05.2018. Thereafter, TOR was granted by SEIAA, Haryana vide its letter no. SEIAA/HR/2018/861 dated 07.08.2018. After many submissions of replies, case was not granted environmental clearance and in the meantime the construction was started. Thereafter, EIA Report along with Damage Assessment & Remediation Plan was

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| | <p>submitted to MOEF&CC on 6.11.2018 as the tenure of SEAC, Haryana was completed. The case was appraised in the 17th EAC meeting for the violation of EIA Notification, 2006 on 29.01.2019 and was deferred for some additional information.</p> <p>The reply of the queries was submitted to MoEF&CC on 28.02.2019. Now the case is enlisted in the 20th EAC Meeting for the violation of EIA Notification, 2006 scheduled on 29.03.2019.</p> |
| <p>20.4.4.3</p> | <p>Observations and recommendations of committee of 17th EAC meeting held on 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. • Noise 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 remediated. |
| <p>20.4.4.4</p> | <p>Observations and recommendations of present EAC:</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 |

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| | <p>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.</p> <p>9. Damage assessment in respect of water environment to be reassessed and the matrix value has to be revised accordingly.</p> <p>10. Summary of damage matrix and over all damage assessment, subsequent final damage assessment needs to be changed in line with the above observation.</p> <p>11. Rework for ecological damage assessment.</p> <p>12. Rework for traffic damage assessment considering 5 km radius from the project site.</p> <p>13. Rework geological and hydrological damage assessment.</p> <p>14. Budget of damaged remediation plan, natural resource and community resource augmentation plan shall be revised.</p> <p>15. Year wise (3 years) summary for the remediation plan, natural resource and community resource augmentation plan shall be submitted.</p> |
| 20.4.5 | 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 [IA/TG/MIN/73867/2018 dated 31.03.2018] [F. No. 23-15/2020-IA.III (V)] |
| 20.4.5.1 | 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 at Telangana was completed. |
| 20.4.5.2 | <p>Details of the project as per the submission of project proponent:</p> <p>1. Project Description:- The Proposal of M/s Ravi SeelamSetty is for Mining of –Quartz and Feldspar from -Raviseelamsetty Mine- for production 3,00,000 TPA of Quartz and Feldspar withof total Excavation 3,17,430 Tonnes /Annum[Waste : 16590 TPA+ Top Soil ; 840 TPA] from mining lease area of 56.68 Halocated at Bandivankacherla Village, Kulkacherla Mandal, Ranga Reddy District, Telangana</p> <p>2. Project Background:-The proposal of M/s Ravi Seelamsetty is for production of 3,00,000 TPAof Quartz and Feldspar from Raviseelamsetty Mine - (ML Area 56.68 Ha, located at Survey No.415, of Bandivankacherla Village, Kulkacherla Mandal, 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> <p>3. Category of the Project (Refer cluster certificate if applicable):-</p> <p>Project area is 56.68 Ha</p> <p>Category “B”as per MoEFCC notification, S.O.3977 (E) dated 14.08.2018.</p> <p>The proposal is for appraisal at MoEFCC as there is no SEIAA, Telangana,</p> <p>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.</p> <p>4. Violation Details &Sectorial EAC/SEAC Comments:</p> <ul style="list-style-type: none"> • The Mine was granted for Quartz and Feldspar for 20 years in favour of Kum. G.L. Nanditha on 04.06.2002. • Lease was transferred and executed in favour or of Sri Raviseelamsetty (SRS) on 31.10.2008 • The Dept. of Mines & Geology accorded permission to commence the Mining Operations w.e.f. 21.01.2009 to 02.12.2022. |

- Production details available from 2010-2012, revealed that the mine was operating without obtaining the Environmental Clearance, till it has been stopped in October 2013.
- Sri Ravi Seelamsetty 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 from 2010 to 2012 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 Ravi Seelamsetty to stop the mining operations.
- Sri Ravi Seelamsetty has submitted the reply to the above points in hard copy to MoEF&CC, Non- Coal Mining Committee on 17.01.2017.
- Against this MOEF & CC vide letter no. J-11015/05/2010-IA.II [M] dated 17.07.2017 instructed Sri Ravi Seelamsetty to submit online the proposal afresh as violation case submitting the following information.
 - (i) Certificate Stating that mining activity of the said mine has been stopped (with date) and CTO/ Occupancy Certificate has been revoked, duly certified by the State Pollution Control Board
 - (ii) Detailed statement of past production since inception/after 1994 to till date duly certified by the Department of Mines and Geology
 - (iii) Details of violation proceedings, if any, already initiated or completed by the State Government in the instant proposal with supporting documents
 - (iv) Details of earlier applications made to MoEF&CC, if any, for grant of EC
- 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 Seelamsetty 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.

As per MMDR amendment Act 2015, lease period is valid upto fifty years i.e. upto03.06.2052.

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 videLr. 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 676940Tonnes ofwaste 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 | PLAN PERIOD | CONCEPTUAL PERIOD AREA IN HA. |
|--------------|---|----------------|----------------|-------------------------------|
| 1 | Area under Excavation | 0.5200 | 5.2330 | 21.072 |
| 2 | Worked out pit | Nil | Nil | (14.572)* |
| 3 | Storage of Top Soil | Nil | 0.08 | 0.0800 |
| 4 | Overburden Dump | 0.2000 | 0.4420 | 6.4520 |
| 5 | Mineral storage | 0.1520 | 0.1520 | 0.1520 |
| 6 | Infrastructure (Workshop, Administrative Buildings) | 0.1000 | 0.100 | 0.1000 |
| 7 | Roads | 0.2540 | 1.000 | 1.0000 |
| 8 | Greenbelt | Nil | 1.56 | 3.5000 |
| 9 | Env. Protective measures | Nil | 0.2970 | 1.0000 |
| 10 | Mineral Separation plant | 0.4047 | 0.4047 | - |
| 11 | Area Cultivated | 7.0172 | 7.0172 | - |
| 12 | Dump Area Plantation | Nil | Nil | 3.0000 |
| 13 | Others (Unutilized Area) | 48.0321 | 40.3941 | 20.2240 |
| Total | | 56.6800 | 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 22.01.2019

| YEAR | PRODUCTION IN TONNES |
|---|----------------------|
| 2009-10 (Lease operated by Sri Raviseelamsetty from 21.01.2009) | 1775 |
| 2010-11 | 2600 |
| 2011-12 | 4094 |
| 2012-13 | 355 |

| | |
|--------------|-------|
| 2013-14 | 3349 |
| 2014-15 | 0 |
| 2015-16 | 0 |
| 2016-17 | 0 |
| 2017-18 | 0 |
| TOTAL | 12173 |

12. Applicability of General Condition & Status of SEIAA:

General Conditions does not apply to this project.

[Submit details about Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area]

There are no wildlife sanctuaries within 10km radius from the subject mine leasearea SEIAA, Telangana State tenure was completed and currently not operating.

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

14. Project Cost & Employment: Project Cost: Rs.150.0 Lakhs, Employment to 33 persons

15. Affidavit for SC Order 2.08.2017: Enclosed as Exhibit-I

16. Status of DSR, in case of minor mineral: -District Survey Report is not available

| | |
|----------|--|
| 20.4.5.3 | <p>Observations and recommendations of committee of 17th EAC meeting held on 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 <i>deferred</i> the proposal for want of revised Form 1.</p> |
| 20.4.5.4 | <p>Observations and recommendations of present EAC:</p> <p>PP did not attend the meeting and requested to defer the proposal.</p> |
| 20.4.6 | <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> |
| 20.4.6.1 | <p>M/s Friends Mineral has made online application vide proposal no. IA/HP/MIN/74337/2018 dated 13.04.2018 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 general condition applies.</p> |
| 20.4.6.2 | <p>Details of the project as per the submission of project proponent:</p> <p>1. Project description</p> <p>The Proposal of M/s Friends Minerals is for Mining of Lime stone from Bandla Limestone Mine for Total Excavation 61285 Million Tonne per annum (MTPA)/ / Tonne per annum (TPA)</p> |

[including 60021million tons of Limestone, Waste, O.B, Inter Burden, Top Soil etc.] from mining lease area (4.96 Ha) located at Villages Shamah Pamta, Tehsil Poanta Sahib, District Sirmaur, State Himachal Pradesh by M/s Friends Minerals

2. Project Background

The proposal of M/s Friends Minerals is for production of 61285 Million Tonne per annum (MTPA including 60021million tons of Limestone, Waste, O.B, Inter Burden, Top Soil etc from Bandla Limestone Mine (ML Area 4.96 Ha), located at Khasra No. 1457/1/2, 1457/2, 1594, 1595, 1881, 1572/1, 1881/1575/2, at Villages Shamah Pamta, Tehsil Poanta Sahib, DistrictSirmaur, State Himachal Pradesh. The mining lease is located on Survey of India Topo-sheet no.53F10. The area is bounded between the coordinates Latitude 30⁰35'39.1"N to 30⁰35'47.83" N and Longitude 77⁰42'9.32" E to 77⁰42'24.8" E

3. Category of the Project (Refer cluster certificate if applicable)

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

4. Violation Details & Sectorial EAC/SEAC Comments:

| | |
|---|--|
| Application for TOR submitted to EAC | 26-08-2016 |
| Acceptance of application for TOR | 7-09-2016 |
| Baseline environment data collection | October-December 2016 |
| Public Hearing | 19-04-2017 |
| Final EIA submission | 10-08-2017 |
| Final observations/recommendations of the EAC (Non- Coal Mining) MoEF& CC in its meetings | Queries raised in 14 th meeting of EAC for the proposal involving violation of EIA Notification, 2006 held on 22 th - 24 th October,for ToR consideration (i)Certificate from the State Forest Department that no forest land was involved in the mine lease area (ii) Valid mine lease document Execute of the supplementary deed |
| Letter regarding violation of the project | 03-04-2017 |
| Submission of project under violation | 13-04-2018 |
| Action taken by the State Government/SEIAA | -- |
| Complaint case filed by the State Government/State Pollution Control Board | -- |
| Further consideration of the proposal by the EAC and recommendations | Not applicable |
| Final recommendations of EAC | Not applicable |
| Legal Interventions, if any | |

As per the letter issued by Ministry of Environment, Forests & Climate Change vide letter no. J-11015/185/2915-IA.II (M) dated 3rd April 2018, the mining lease has been put into violation category as the mine was operated without prior environment clearance.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/HP/MIN/74337/2018 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 'A' appraised at EAC (MoEF&CC) because of Inter-state boundary International boundary at 3.8 (km) distance from the project]

6. Details of the Mineral

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor): Limestone (Major Mineral). The limestone was under major mineral before 2006.

7. Letter of Intent (LoI)/Mining Lease Details: Letter from the Commissioner Industries, Himachal Pradesh vide order no. Udyog-bhu(Khani-4) Major-122/04-2327 dated 5-06-2015 and the lease deed was executed for 50 years w.e.f 1.08.1985 and is valid till 31.07.2035

8. Method of Mining & Mining Plan Details:

- *The Mining Plan was approved by IBM/DMG vide LR No. 614 (2)/MP-B-220/05/DDN dated 29.07.2016. As per which the method of mining shall be opencast and mechanized.*
- *Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any,*

The mining will be opencast semi mechanized and limestone shall be exploited adoption of drilling and blasting. Jack hammer drilling and blasting with conventional explosive shall be carried out to dislodge the rock mass. Blasting will be done by using class-2 explosives, detonated by ordinary detonators and safety fuse as well as by electric detonators. No ground water intersection will take place during mining activity.

Bench height and width will be kept 6 m respectively with face slope of 70⁰.

- *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,*

No top soil will be generated by the mining activity and the interburden generated will be used for making parapet wall/checks dams etc.

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

No crushers plant.

Water requirement: 4.8 KLD (1.8 KLD domestic and 3.0 KLD dust suppression)

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

| S. No. | Head | At present (Ha.) | At the end of SOM period (ha) | At the end of conceptual period (ha.) |
|--------|--|------------------|-------------------------------|---------------------------------------|
| a) | Total area excavated (broken) | 2.10 | 1.32 | 4.48 |
| b) | Area fully mined out | Nil | 0.38 | 3.20 |
| c) | Area fully rehabilitated by pisciculture | Nil | Nil | Nil |

| | | | | |
|----|--------------------------------------|-----|------|------|
| d) | Area rehabilitated by afforestation. | Nil | 0.38 | 3.20 |
|----|--------------------------------------|-----|------|------|

10. Other Waste Generation, if any: 5980 cum of waste will be generated during plan period. The waste to be generated shall be used for maintenance of PWD roads, approach road and making parapet walls and rehabilitation of benches.

11.Land Use (Forest/Agricultural/Waste): The project site is waste land. No forest/agriculture land is involved in the mining activity.

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

| Past Production reference to DMG letter noUdyog (Bhu) SMR – Major – Friends 702 dated 22-07-2017 | | |
|--|-----------|--------------------|
| S. No. | Year | Production (in MT) |
| 1. | 2010-2011 | 7960.4 |
| 2. | 2011-2013 | 6939.5 |
| 3 | 2013-14 | Nil |
| 4 | 2014-15 | 7609.6 |
| 5 | 2015-16 | 2104.8 |
| | 2016-17 | 21998.3 |

13.Applicability of General Condition & Status of SEIAA: General Condition is applicable to the project as the border of Uttarakhand is within 5 km (3.8 km, E) from the project site.

14. Project Cost & Employment: Project Cost: 55 Lakh.

Employment: 33 person.

EMP cost: 8.8 Lakh and recurring of 5.0 Lakh.

CER activity: 4 Lakh (Construction of separate toilet for boy and girls, Medical aid, Supplying raw materials for construction of community centre in the nearby village.

Budget for conservation plan for leopard: 8 Lakh/annum

15. Affidavit for SC Order 2.08.2017:

Affidavit submitted to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

16. Status of DSR, in case of minor mineral :- Not Applicable (as it is a major mineral Project

20.4.6.3

Observations and recommendations of committee of 14th EAC meeting held on held on 22th - 24th October, 2018:

After detailed presentation by the consultant M/s Shivalik Solid waste management Ltd, the EAC noted the following:


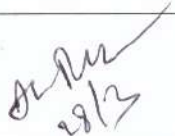
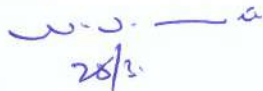

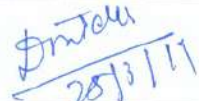
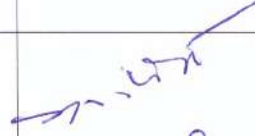


1. As per Project proponent mine lease area is a total private land, however DSS showed project site is falling in the Forest land bearing compartment no. C-3, Beat : Sataun under Renuka Ji Forest Division.

2. Mine lease document submitted is not valid as three-month window given by the mine department for getting statutory clearance is already lapsed. After due deliberation the **Committee deferred the proposal** for want of following information:

| | |
|------------------------|---|
| | <p>(i) Certificate from the State Forest Department that no forest land was involved in the mine lease area.</p> <p>(ii) Valid mine lease document is to be submitted.</p> |
| <p>20.4.6.4</p> | <p>Observations and recommendations of present EAC:</p> <p>PP along with the consultant made a detailed presentation on the additional information sought in the 14th EAC meeting held on held on 22th - 24th October, 2018. 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):</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 with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.</p> <p>(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> <p>(iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.</p> <p>(v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.</p> <p>(vi) Validation of present base line data with one-month fresh base line monitoring of all the environmental attributes.</p> <p>(vii) Public Hearing (PH) has been conducted on dated 19.04.17 for the 60021million tons of limestone production capacity 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.</p> <p>(viii) 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>(ix) Mine plan approved by Indian Bureau of Mines to be submitted.</p> <p>(x) DGMS permission is to be submitted for blasting at project site, if any.</p> <p>(xi)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>(xii) Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines</p> <p>(xiii) In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.</p> <p>(xiv) Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage//restoration shall be completed within three years and to be prepared accordingly.</p> |

| | |
|--|---|
| | <p>(xv) 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> |
|--|---|

Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 20th meeting held on 28th-29th March, 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 |  28/3 |
| 2. | Dr. G.V. Subrahmanyam | Member | |
| 3. | Dr.A.L. Ramanathan | Member |  28/3 |
| 4. | Dr. M.V. Ramana Murthy, | Member |  28/3 |
| 5. | Shri K Gowarappan | Member |  28/3 |
| 6. | Dr.Dilip S. Ramteke, | Member |  28/3/19 |
| 7. | Dr. Poonam Kumria, | Member | |
| 8. | Dr.Bharat Jain, | Member |  |
| 9. | Dr.SubrataMaity, | Member |  28/03 |
| 10. | Shri Raghu Kumar Kodali | Member Secretary |  Reena |

11. Shri Ashok Agrawal Member

