| | | | |
|---|---|---|---|
| | the monitoring to be sent to concerned District Magistrate and State Pollution Control Board office. | Monitoring/Baseline Data collection for Pre-monsoon season was provided to District Magistrate and State Pollution Control Board office on date 05-10-2018. | Enclosed as ***Annexure IV*** |
| **10.** | The lab conducting the analysis should be authenticated and registered. | The samples has been analysed from NABL certified lab. | NABL Certificate is enclosed as ***Annexure V*** |
| **11.** | Public hearing to be conducted as per EIA notification, 2006. | Public Hearing was conducted on 26.03.2019 as per the EIA Notification. | **Chapter 7 & Annexure X, XI, XII** |
| **12.** | A copy of document in support of fact that the proponent is the rightful lessee of the mine should be given. | The documentary support for the rightful lessee of the mine is provided along with the LOI.<br><br>LOI is enclosed as Annexure No. I | Copy of PAN, Aadhaar & Article of Association is enclosed as ***Annexure VI.*** |
| **13.** | Approved mining plans for all the mining projects. | Approval Vide No. 841/मा0 प्लान/2017 Dated 09/07/2018 issued by Directorate of Geology and Mines, Lucknow, U.P. Approved Mining Plan with approval letter is enclosed as ***Annexure II.*** | Approved Mining Plan is enclosed as ***Annexure II.*** |
| **14.** | All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production level, waste generation and its management and timing technology and should be in the name of the lessee.<br>The mine plan should take into account the conditions of the mine lease, if any, in terms of distance to be left un-worked from the river flowing nearby. | The EIA/EMP report is compatible with the Approved Mine Plan in terms of the mine lease area, production levels, waste generation and its management and mining technology.<br><br>The mine plan is approved by Directorate of Geology and Mines, UP, dated 09/07/2018.<br><br>Mining lease area falls in the Yamuna river bed – Core Zone.<br>7.5 m strip is left around the whole lease as a safety zone/barrier.<br>The provided lease is 20/30 m away from the river which will be left unworked as per the Approved mining plan. | **Chapter- 2 & Approved Mining Plan** |
| **15.** | The study area will comprise of 10 km zone around the mine lease from the lease periphery and the data contained in the EIA such as waste generation should be for the life of the mine/ lease period. | Study area comprises of 10 Km radius around the mine lease boundary. Map showing 10 Km radius of the ML area has been furnished in the EIA report and 10 Km radius of lease periphery.<br><br>There is no generation of Overburden/waste | **Chapter -7** |

<table>
<tr><td></td><td></td><td>material in case of river bed mining.<br>No waste materials will be generated during mining.</td><td>Chapter -2</td></tr>
<tr><td>16.</td><td>Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory route of fauna, water bodies, human settlements and other ecological features should be indicated.</td><td>The land use of the study area is provided under Chapter 4 of EIA/EMP report.<br>Land use/Land Cover map within 10 km study area.
<table>
<tr><th>S. No.</th><th>Land use type</th><th>Area in Ha</th><th>% Share</th></tr>
<tr><td>1.</td><td>Fallow Land</td><td>12548.23</td><td>39.96</td></tr>
<tr><td>2.</td><td>Scrub Land</td><td>9685.87</td><td>30.84</td></tr>
<tr><td>3.</td><td>Forest</td><td>4643.87</td><td>14.79</td></tr>
<tr><td>4.</td><td>Agriculture</td><td>1967.48</td><td>6.27</td></tr>
<tr><td>5</td><td>River Bed</td><td>1538.54</td><td>4.90</td></tr>
<tr><td>6</td><td>River</td><td>840.97</td><td>2.68</td></tr>
<tr><td>7</td><td>Settlement</td><td>131.42</td><td>0.42</td></tr>
<tr><td>8</td><td>Canal</td><td>33.57</td><td>0.11</td></tr>
<tr><td>9</td><td>Ponds</td><td>12.72</td><td>0.04</td></tr>
<tr><td colspan="2">Total</td><td>31402.67</td><td>100</td></tr>
</table>
There is no wildlife sanctuary, national park and migratory route of fauna within 10 km buffer zone.<br>Water Bodies: Yamuna River (Core Zone)<br>No human settlement found in the core zone.</td><td>Chapter- 4</td></tr>
<tr><td>17.</td><td>Land use plan of mine lease area should be prepared to encompass pre-operational, operational and post-operational phases and submitted.</td><td>Details of Land use planning of mining lease area is provide in Chapter 2 of EIA report & Approved mining plan.</td><td>Chapter-2 & 7</td></tr>
<tr><td>18.</td><td>Location of National Parks, Sanctuaries, Biosphere Reserves, wildlife Corridors, Tiger/Elephant Reserves (exiting as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by chief wildlife warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the state wildlife Department / Chief Wildlife</td><td>There are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger /Elephant Reserves (existing or proposed) within 10 km radius of the periphery of the mine lease.</td><td></td></tr>
</table>

| | | | |
|---|---|---|---|
| | Warden under the Wildlife (Protection) Act, 1972 and copy furnished. | | |
| **19.** | A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out covering both terrestrial and aquatic flora and fauna. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on field survey clearly indicated the Schedule of the fauna present. | On the basis of field survey carried out for detailed biological study of flora and fauna, separately for core and buffer zone, with their respective schedule is furnished in Chapter 4 and it is duly authenticated by the support of secondary data. | **Chapter- 4** |
| **20.** | Impact of change of land use should be given. | This is river bed lease area so no permanent change in land use will occur because of the natural replenishment by the river. | - |
| **21.** | Impact of mining on the hydrology of the area including water flow in the river adjoining the mine lease. It should also take into account the inundation of mined out area due to flow of water from the river. | Impact of mining is not anticipated on the hydrology of the mining lease area as the mining will be carried out following the sustainable sand Mining management guidelines 2016 and as per the approved mining plan.<br>There is no flow of water in the mining lease area. | **Chapter-2 and Chapter -5** |
| **22.** | R & R plan / compensation details for the project affected people should be furnished. While preparing the R & R plan, the National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line department of the State Government. | It is a river bed mining project. The mine lease operation will not result in shifting or displacement of any nearby village and also the land use of this area is expected to be unchanged as per TOR point No. 20<br><br>The mining lease is Government revenue land and there is no habitation exists in the area, so No R & R plan is applicable. | **Chapter -7** |
| **23.** | 02 km kachha haul road to be made Motorable. Submit Plan. | The proposed haul road length from project site is 3.5 km connecting to NH-25.<br>The whole length of the road is to be made motorable for better vehicular movement.<br>The detailed plan is provided in Chapter- 2. | **Chapter- 2** |

<table>
<tr>
<td>24.</td>
<td>One season (Non Monsoon) primary baseline data on ambient air quality ($PM_{2.5}$, $PM_{10}$, $SO_x$ and $NO_x$), water quality, noise level, soil and flora and fauna shall be collected and the AAQ data so collected presented data-wise in the EIA and EMP report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified.</td>
<td>One season (non-monsoon) primary baseline data of ambient air quality ($PM_{10}$, $PM_{2.5}$, $SO_2$ and NOx), water quality, noise level, soil and flora and fauna has been collected during pre-monsoon season (March to May, 2018) and the AAQ and other data are compiled in the EIA and EMP report.<br><br>The Site- specific meteorological data and location of proposed monitoring stations are detailed in Chapter- 4.</td>
<td>Chapter -4</td>
</tr>
<tr>
<td>25.</td>
<td>There should be at least one monitoring station within 500 m of the mine lease in the pre- dominant downwind direction. The mineralogical composition of $PM_{10}$ particularly for free silica should be given.</td>
<td>One monitoring station is proposed within core zone (0-500 m) of the mine lease in the pre-dominant downwind direction.<br>Free silica and mineralogical composition of $PM_{10}$ is given in Chapter 4.</td>
<td>Chapter- 4</td>
</tr>
<tr>
<td>26.</td>
<td>Air quality modelling should be carried out for prediction in impact of the project on the air quality on the area. It should also take into account the impact of vehicle for transportation of mineral. The details of the model used and input parameters use for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind rose showing pre-dominant wind direction may also be indicated on the map. The impact of stone crusher nearby should also be taken into account.</td>
<td>Meteorological data generated at site during study period has been used for onsite input met data.<br>Transportation details:
<table>
<tr><td>Total Capacity of Mine</td><td>3,64,356 TPA</td></tr>
<tr><td>No of working days</td><td>250</td></tr>
<tr><td>Extraction and transportation of mineral</td><td>1458 Tonnes/day</td></tr>
<tr><td>No of Trucks deployed</td><td>146</td></tr>
<tr><td>Truck Capacity</td><td>10 tons</td></tr>
<tr><td>Working hours per day</td><td>8 hr/day</td></tr>
<tr><td>Frequency of Truck/day</td><td>216</td></tr>
<tr><td>Truck deployed/day</td><td>27 Trucks</td></tr>
<tr><td>Increase in PCU/hr</td><td>81</td></tr>
</table>
Air quality modelling has been prepared for prediction of impact of the project.<br><br>Air quality contours indicating the location of the site and the habitations is given in Chapter - 5<br>Wind rose diagram, showing the prominent wind direction is provided in the EIA chapter- 5</td>
<td>Chapter -4 & 5</td>
</tr>
</table>

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|---|---|---|---|
| **27.** | The water requirement to the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated. | Water requirement calculation is below:<br><br>**Source** \| **Purpose** \| **Avg. Demand/ Day**<br>Portable Tanker \| Drinking @15 lpcd/worker \| 1.0 KLD<br>Portable Tanker \| Land reclamation/plantation @5 Lit/Tree \| 2.5 KLD<br>Portable Tanker \| Dust suppression @2 Lit/Sq.m (Haulage Road Area = 3300mLength x 6mWidth= 19800m²) \| 42.0 KLD<br>**Total** \| \| **45.5 KLD**<br><br>Detail table is provided in Chapter- 2 | **Chapter- 2** |
| **28.** | Necessary clearance from the competent authority for drawl of requisite quantity of water for the project should be provided. | 45.5 KLD Required water will be met out from portable tanker water supply. Hence, CGWA Permission is not required. | - |
| **29.** | Details of water conservation measures proposed to be adopted in the projected should be given. | Water will be taken from existing surface water sources for dust suppression and land reclamation and hired portable Tankers for Drinking Purpose from nearby village.<br>Optimum utilization to avoid unnecessary wastage of water will be done like Atomized water sprinklers will be used to minimize the air borne dust emissions on haul roads. | |
| **30.** | Impact of the project on the water quality both surface and groundwater should be assessed necessary safeguard measures, if any required should be provided. | **Surface Water:**<br>The sand/Moram mining project is proposed on Yamuna river bed where mining will be carried out in the dry portion of the River bank area, therefore no chance of contamination of surface water.<br>**Ground Water:**<br>The ground water quality will not be changed because mining activity will not intersect the ground water table as it is restricted to 3m or 1m above ground water level, there will be no contamination of ground water.<br>Impact of the project on the water quality & its mitigation measures has been incorporated in Chapter-5 of Final EIA/EMP report. | **Chapter -5** |
| **31.** | Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in | The water level of river Yamuna is 98.0 mRL & mining activities shall be carried out 2m (101-99mrl) & mining activities shall be restricted upto 99 mRL. So mining depth will not intersect | **Chapter- 4 & Mining Plan** |

<table>
<tr><td></td><td>this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of groundwater should also be obtained also copy furnished.</td><td>the ground water table. As per SSMMG, 2016 Sand Mining is not allowed below 03 m or ground water level. Hence permission is not required from CGWA.</td><td>Page No. 13</td></tr>
<tr><td>32.</td><td>Details of first order stream, if any passing through lease area and modification diversion proposed, if any and the impact of the same on the hydrology should be brought out.</td><td>It is opencast Sand mining project located on the river bed and mining is permitted maximum up to depth of 3 meter, also proposed mining activities is confined 2m above water level; hence no impact will be on hydrology.</td><td>-</td></tr>
<tr><td>33.</td><td>Details of rainwater harvesting proposed, if any, in the project should be provided.</td><td>The proposed mine is situated on the river bed of the Yamuna hence no need of rain water harvesting as water itself percolates easily and reaches ground water table.</td><td>-</td></tr>
<tr><td>34.</td><td>Information on reduced levels site elevation, working depth, groundwater table etc. below natural surface level should be provided. A schematic diagram may also be provided for the same.</td><td><table>
<tr><td rowspan="2">Site Elevation</td><td>Highest- 101.5 mRL in North direction</td></tr>
<tr><td>Lowest- 98.0 mRL in South direction</td></tr>
<tr><td>Working Depth</td><td>2.0 m (maximum up to 3m)<br>(101 mRL-99 mRL)</td></tr>
<tr><td>Ground water Depth<br>Source: http://cgwb.gov.in/District_Profile/UP/Jalaun.pdf</td><td>Pre–monsoon= 0.56-31.20 mbgl<br>Post–monsoon= 1.48-29.65 mbgl</td></tr>
</table>
schematic diagram is provided in Chapter-2</td><td>Chapter-2</td></tr>
<tr><td>35.</td><td>Quantity of the solid water generated to be estimated and details for its disposal and management should be provided. The quality, volumes and methodology planned for removal and utilization (preferable concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed of in the form of</td><td>No solid waste will be generated during mining activity as it do not involve top soil and over burden generation so no external dump is required.<br><br>Small amount of solid waste in the form of food packaging waste etc. is expected to be generated during daytime by activities of labours, that will be disposed of in waste bins.</td><td>-</td></tr>
</table>

<table>
<tr><td></td><td>external dump (number of dumps, their height, terraces etc. to be brought out).</td><td></td><td></td></tr>
<tr><td>36.</td><td>The reclamation plan, post mine land use and progressive green belt development plan shall be prepared in tabular form (prescribed format) and submitted.</td><td>
It is a river bed deposit and mined out area shall be replenished each year during monsoon period and depth of quarry shall be filled back by river.
Green belt development will be done along the road sides and near civic amenities, which will be allotted by Government bodies as it is not feasible to plant trees near the mine lease area. The lease area is river bed area of no agricultural use again the depth of mining is proposed 2.0m thus no significant change in land use is anticipated.
Post plantation, the area will be regularly monitored in every season for evaluation of success rate.
For selection of plant species local people will also be involved. The management will provide free saplings of fruit and other trees, etc. to local during rain for plantation.
Table: Greenbelt Programme
Year wise no of saplings to be planted is as below:
<table>
<tr><th>Year</th><th>Saplings to be Planted</th><th>Species</th><th>Pollution control features</th></tr>
<tr><td>I<br>II<br>III<br>IV<br>V<br>Total</td><td>500 sapling will be planted in first year.</td><td>Sal, Neem, Peepal, Sagon, Anwala, Babool, Shisham (Source: http://dcmsme.gov.in/dips/DIP%20Fatehpur.pdf)</td><td>Tolerant to $SO_2$ and Dust Control.<br><br>Deep roots hold the soil and prevent soil erosion.</td></tr>
</table>
Note: 5 Trees per ha in area near lease<br>(Source: Sustainable Sand Mining Management Guidelines – 2016)
</td><td>Chapter- 8</td></tr>
<tr><td>37.</td><td>Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the</td><td>There will be an increase in 146 trucks per day on NH-25 for transportation for carrying the minerals While mining, 1458 tonnes/day river sand/morum will be produced and then transported by trucks having 10 tons capacity.</td><td>Chapter-2 & 4</td></tr>
</table>

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| | project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State government) should covered. | | |
| **38.** | Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report. | Maximum mine workers will be deployed from nearby villages.<br>Necessary infrastructure facilities will be provided to the Mine workers as per the Approved Mining Plan & in accordance with the Mines Rules.<br>Following are the infrastructural facilities which will be provided to the workers:<br>1. Rest Shelter, drinking water facilities, Mobile toilets, & first aid facilities, etc.<br>2. Personal protective equipment such as ear muffs, gloves etc. will be provided to the workers to ensure their safety.<br>The detail is provided in EIA Chapter-2 & 7. | **Chapter-2** |
| **39.** | Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report. | The mineral removed from the riverbed gets natural replenished after every rainy season. It is a river bed mining project on Govt. revenue land, therefore R&R plan is not applicable.<br>Post mining Land Use will not be changed. Scrapped sand will be replenished every year as mentioned below:<br><table><tr><th>Activities</th><th>Area (Ha.)</th></tr><tr><td>Area already broken up</td><td>-</td></tr><tr><td>Area already backfilled/reclaimed</td><td>-</td></tr><tr><td>Additional area proposed to be broken during next five years</td><td>11.40</td></tr><tr><td>Additional area proposed to be replenished with flood water</td><td>11.40</td></tr></table>***Source: Approved mining plan***<br>Thus, reclamation and restoration activity will not be carried out for River bed area. | |
| **40.** | Phase-wise plan of green belt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the | Ref: Section 36 of TOR point<br><br>Detail given in Chapter- 8 | **Chapter -8** |

<table>
<tr><td></td><td>species to be planted. The details of plantation already done should be given.</td><td></td><td></td></tr>
<tr><td>41.</td><td>Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regards should be provided. Details of pre- placement medical examination and periodical medical examination schedules should be incorporated in the EMP. Special attention should be in view of the stone crusher nearby.</td><td>The impact on Occupational Health Safety of employee and proper mitigation detail in the table given below.
<table>
<tr><th>Anticipated Occupational Health and Safety Impacts</th><th>Proposed mitigation measures</th></tr>
<tr><td>Lung Disease and respiratory disorder due to dust exposure</td><td>• Dust mask will be provided to the workers<br>• Precautions will be adopted to prevent dust generation at site and dispersing in the environment.<br>• Air emission control system such as water sprinkling, green belt development.<br>• Free Silica analysis of mineral will be done<br>• Budget of pollution control i.e dust suppression by water sprinkling is proposed in EMP.</td></tr>
<tr><td>Noise</td><td>• Ear muff will be provided<br>• Maintenance of vehicles.<br>• PUC certified vehicles used for transportation</td></tr>
<tr><td>Accident at site</td><td>• PPEs will be provided to the workers likely hand gloves, safety shoes etc.</td></tr>
<tr><td>Others</td><td>• Awareness program/training program will be organized for workers for occupational safety.<br>• Smoking and tobacco will be banned at site</td></tr>
</table>
All workers will be medically examined initially and also periodically as per Rule 29 (A) and (B) of Mines Rule 1955.<br>Person protective measures, pre-placement</td><td>Chapter-7</td></tr>
</table>

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| | | medical examination and periodical medical examination schedules, are given in the EIA Chapter-7. | |
| **42.** | Measures of social- economic significance and influence to the local community proposed to be provided by the project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation. | Socio-economic influence will be positive as there will be potential availability of employment, improvement of physical and social infrastructures etc.<br><br>Local people near to proposed project will be benefited in terms of employment and social welfare program which are proposed under CSR activities.<br><br>Details of CER activities have been given in detailed in Chapter-8. | **Chapter-7 & 8** |
| **43.** | Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia should include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts beside other impacts of the projects. It should also take into account the impacts due to stone crusher nearby and also provide for preventing the sit from going into the river. | Detailed environmental management plan to mitigate the environmental impacts are incorporated in Chapter-9 of EIA report. | **Chapter-9** |
| **44.** | Risk assessment and disaster management plan due to inundation of mine as a result of its location close to the river should also be provided. | The possibility of flooding and drowning may occur as the site located near to the river. There is least possibility of injury to the person during loading operation at mine.<br>Risk Analysis has been performed to the identified the risk level by evaluating its consequences & likelihood and is detailed in EIA Chapter-7. | **Chapter-7** |
| **45.** | Public hearing shall be undertaken as per law. Public hearing points raised and to implement the same should be provided. | Public Hearing was conducted on 26.03.2019 as per EIA Notification. | **Chapter-7** |
| **46.** | Details of litigation pending against the project, if any, with direction / order passed by any Court of law against the project should be given. | There is no litigation pending against the project. | |
| **47.** | The cost of project (capital cost and recurring cost) as well as the cost towards implementation of EMP | The details of the cost of the project is given Chapter 8 and the cost towards the implementation of EMP are mentioned in | **Chapter-8 & Chapter-6** |

<table>
<tr><td></td><td>should clearly be spelt out.</td><td>Chapter- 6
<table>
<tr><th>Description</th><th>Capital Cost (in Lakhs)</th><th>Recurring Cost (in Lakhs)</th></tr>
<tr><td>Project Operation Cost</td><td>97.0</td><td>-</td></tr>
<tr><td>Environment Monitoring Programme</td><td>20.0</td><td>5 Lakhs</td></tr>
<tr><td>Environment Management Plan</td><td>37.0</td><td>10 Lakhs</td></tr>
<tr><td>Total Project Cost</td><td>154.0</td><td>-</td></tr>
</table></td><td></td></tr>
<tr><td>48.</td><td>Present position of distances of railway lines, National Highway including culverts and bridges, Reservoir, lake, Canal, Road including culverts & bridges, Soil conservation works, nursery plantation, check dams, water supply schemes & irrigation schemes, water sources such as Springs, Infiltration galleries, Percolation wells, Hand pumps, Tube wells and exiting flood control / protection work should be included and indicated in location map.</td><td>Surrounding details in table:
<table>
<tr><th>S.No.</th><th>Particular</th><th>Detail</th><th>Distance & Direction</th></tr>
<tr><td>1</td><td>National Highway</td><td>NH-25</td><td>13.4 km, NW</td></tr>
<tr><td>2</td><td>Reservoir/ Lake</td><td>-</td><td>-</td></tr>
<tr><td>3</td><td>Canal</td><td>-</td><td>-</td></tr>
<tr><td>4</td><td>Road (State Highway)</td><td>SH -21</td><td>14.5 km West</td></tr>
<tr><td>5</td><td>Road bridge</td><td>-</td><td>-</td></tr>
<tr><td>6</td><td>Check dams</td><td>-</td><td>-</td></tr>
<tr><td>7</td><td>Springs</td><td>-</td><td>-</td></tr>
<tr><td>8</td><td>Wells</td><td></td><td></td></tr>
<tr><td>9</td><td>Hand pumps</td><td></td><td></td></tr>
<tr><td>10</td><td>Tube wells</td><td></td><td></td></tr>
</table>
All the environmental sensitivity detail is indicated in Location Map (Google Map/ Topographical Map) within 10 km radius of buffer zone are mentioned in Chapter- 2 & 7.</td><td>Chapter-2</td></tr>
<tr><td>49.</td><td>Proponent should submit attested photocopy of the sanction of mining lease by the State Government.</td><td>LOI has been issued to PP is attached as Annexure I</td><td>Annexure I</td></tr>
<tr><td>50.</td><td>The company will have a well laid down Environment Policy approved by its Board of Directors and it may be detailed in EIA reports.</td><td>Lessee has been formulated Environmental policy and attached as Annexure VII.</td><td>Chapter-6 & Annexure VII</td></tr>
<tr><td>51.</td><td>The Environment Policy must</td><td>The standard operating procedures are</td><td></td></tr>
</table>

| | | | |
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| | prescribe for standard operating process/ procedures to bring into focus any infringement / deviation / violation of the environment or forest norms/ conditions and it may be detailed in EIA. | maintained to deal with any deviation/ violation of any type of environmental norms/ conditions and their rectification for ensuring the compliance with EC conditions. | |
| **52.** | The hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions and details of this system may be given. | The Policy contains the hierarchical system of the company to deal with the environmental issues and for ensuring the compliance with EC conditions. All the non-compliances/violations of environmental laws will deal with as per management system in Chapter 6. | **Chapter-6** |
| **53.** | The company must have a system of reporting of non- compliance/ violations of environmental norms to the board of Directors of the company and/ or shareholders or stakeholders at large. This reporting should be detailed EIA reports. | Lessee has a documented system of reporting of any type of environmental non- compliance/ violation of environmental norms to the Director of the company.<br>Details given in Chapter-6 | **Chapter-6** |

**1.7 EIA Framework**

This EIA Report is prepared in accordance with has been divided into eleven chapters as briefed here under:

**Chapter 1 – Introduction**

The chapter provides description of project background, site and surroundings, objectives, scope and organization of the study and format of this report.

**Chapter 2 – Project Description**

The chapter reports the information on project and capacity; need for the project; location; size or magnitude of operation; technology and process description; maps showing project layout, component of projects etc.

**Chapter 3 – Analysis of Alternatives (Technology and Site)**

It include a comparison of alternatives to determine the best method of achieving the project objectives with minimum environmental impacts or indicates the most environmentally friendly and cost effective options, if any.

**Chapter 4– Description of the Environment**

This chapter deals with the methodology and observed findings of field studies undertaken with respect to ambient air, meteorology, water, soils, noise levels, ecology to define the various existing environmental status in the area of the project.

**Chapter 5 – Anticipated Environmental Impacts and Mitigation Measures**

The chapter identifies and discussed the potential impacts of the proposed mining and allied activities, which could cause significant environmental concerns. This discussion will form the basis for environmental management activities.

**Chapter 6 – Environmental Monitoring Program**

The chapter portrayed the hierarchy of the environment management cell, with its respective roles and environment policy to be implemented.

**Chapter 7 – Additional Studies**

It embrace outcomes of public consultation, risk assessment, social impact assessment, R&R action plan, biodiversity conservation plan, watershed management etc.

**Chapter 8 – Project Benefits**

This chapter prescribes the benefits due to proposed project activity like improvements in the physical infrastructure, social infrastructure, employment potential etc.

**Chapter 9 – Environmental Management Plan**

This chapter will include the description of administrative aspects of ensuring that the mitigation measures suggested are implemented and their effectiveness is monitored, after approval of the EIA.

**Chapter 10 – Summary**

All the chapters are précised in the summary of the EIA Report.

**Chapter 11 – Disclosure of Consultant**

The names of the consultants engaged in preparation of EIA and nature of consultancy rendered is given herewith.

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