

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 20<sup>TH</sup> FEBRUARY, 2023**

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The SEAC met on 20<sup>TH</sup> February, 2023 at 03:00 PM by both physical and Virtual mode (VC) through video conferencing in Google Meet under the Chairmanship of Sri Sashi Paul. The following members were present in the meeting.

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|------------------------------|---|---------------------|
| 1. Sri Sashi Paul            | - | Chairman            |
| 2. Dr. K. Murugesan          | - | Member Secretary    |
| 3. Dr. Rabi Narayan Patra    | - | Member (through VC) |
| 4. Dr. Chittaranjan Panda    | - | Member              |
| 5. Prof. (Dr.) H.B. Sahu     | - | Member (through VC) |
| 6. Prof. (Dr.) Abanti Sahoo  | - | Member (through VC) |
| 7. Dr. Ashok Kumar Sahu      | - | Member              |
| 8. Er. Fakir Mohan Panigrahi | - | Member (through VC) |
| 9. Prof. (Dr.) B.K. Satpathy | - | Member              |
| 10. Dr. K.C.S Panigrahi      | - | Member (through VC) |
| 11. Shri Jayant Kumar Das    | - | Member              |

Draft proceedings of the meeting was finalized by the members through e-mail and also final proceedings of the meeting was confirmed by the members through e-mail. The agenda-wise proceedings and recommendations of the committee are detailed below.

**A. CONSIDERATION OF CATEGORY B1 PROPOSAL (NEW PROPOSAL - 01 No.):**

**PROPOSAL OF POST FACTO ENVIRONMENTAL CLEARANCE FOR M/S. SHOBHA CHEMICAL INDUSTRIES PVT LTD FOR EXISTING COAL TAR DISTILLATION AND ITS BY-PRODUCTS PLANT OF CAPACITY (91,300 TPA INPUT & 84,400 TPA OUTPUT) LOCATED AT PLOT NO.- 667 & 659, VILLAGE- JAMMAL, P.O - GODIGAON, TAHASIL - KOLABIRA, DISTRICT- JHARSUGUDA OF SRI RAKESH PORWAL –TOR**

1. The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference for M/s. Shobha Chemical Industries Pvt Ltd of Existing Coal Tar Distillation and its By-product plant of capacity (91,300 TPA input & 84,400 TPA output) located at Plot No.- 667 & 659, Village- Jammal, P.O - Godigaon, Tahasil- Kolabira, District- Jharsuguda of Sri Rakesh Porwal.
3. **Category:** The present proposal falls under category 'B' project of schedule 4(b) ii – Coal tar processing units under as per EIA Notification 14th September 2006 and amended thereafter.
4. M/s Shobha Chemical Industries Pvt. Ltd. has been operating a coal tar distillation unit since 2016. This existing unit has obtained CTE & CTO from OSPCB and is operating with an input capacity of 91,300 TPA & output 84,400 TPA for manufacturing Coal Tar Pitch and its by- products located at Village- Jammal, P.O - Godigaon, Tahasil- Kolabira, District - Jharsuguda, Odisha. As per Honorable Supreme Court interim order dated 24/11/2022, Civil appeal No(s): 3369/2020, the unit has been directed to make

application under the EIA notification 2006 & its amendment for obtaining Environmental clearance under SEIAA vide proposal no. SIA/OR/IND2/416669/2023, dtd. 03.02.2023.

5. The unit has been established with Consent to Establish (NOC) vide letter no. 3044/III-CON(NOC) dtd. 24.08.2013 & current Consent to Operate (CTO) vide letter no. 161/Ind-V-Con-195 dtd. 02.02.2022 which is valid upto 31.03.2024.
6. **Location and connectivity:** The coal tar distillation unit is on Plot no. 667 and 659 of Khata no. 31/74, kizam – Karkhana, over an area 4.76 Acres (1.926 Ha.) in Village - Jammal, P.O - Godigaon, Tahasil - Kolabira, District - Jharsuguda, Odisha. The study area falls in the Survey of India Topo-sheet no. F45M1 and the geo coordinates are Latitude - 21°50' 8.65"N to 21°50'13.48"N and longitude 84° 7' 2.60"E to 84° 7' 12.60"E. Nearest NH-49 at 1.5km. The nearest railway station is Jharsuguda Railway Station at 7.5 Km from the lease area. Nearest Airport is Veer Surendra Sai Airport, Jharsuguda is at 11.4 km. Nearest water bodies are Malti Nala- 0.2 Km,SSE (Seasonal), Kharakhai Nala- 4.5 Km, W (Seasonal), Bheden River- 5.0 km, S (Perennial), Telen River- 5.1 Km, SE (Perennial). There are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site, Tiger/Elephant Reserves within 10 km of the mine lease area. An Elephant pathway is situated at Siriapali village (21°49'37.05"N, 84° 5'47.88"E) which is 2.4 Km (SW). Nearest habitation are Jammal, Khunapali and Kelenda is at a distance 0.60km, 0.87km and 0.90km. Nearest town is Kolabira 6.83km. Nearest R.F is Siriapali R.F - 2.1 km.
7. **Raw Materials requirement are** - Coal Tar, Creosote Oil and Crude Naphthalene of various grade (65000TPA), Solid pitch (various grade) (25000TPA) and Carbolic oil , drained naphthalene oil, phenol fraction, other carbolic oil etc. (1300TPA) procure from SAIL – Rourkela Steel Plant, Bhilai Steel Plant, Vishkhapatnam Steel Plant, Durgapur Steel Plant, TATA Kalinganagar, Jindal Steel Power Limited Angul & Jajpur.

8. **Material Balance of the Process -**

Input Products	Specific Consumption T/T of Product	Input Quantity in TPA	Output Products	Specific Consumption T/T of Product	Output Quantity in TPA
Coal Tar, Creosote Oil and Crude Naphthalene	71.19	65,000	Coal Tar Pitch	26.29	24,000
Solid Pitch (various Grade)	27.38	25,000	Creosote Oil	26.29	24,000
Carbolic oil, drained naphthalene oil, phenol fraction , Other carbolic oil etc.	1.42	1,300	Melting Pitch	26.29	24,000
			Coal Tar Pitch (Various Grade)	10.95	10,000
			Naphthalene (Various Grade)	1.31	1,200
			Carbolic Product	1.31	1,200
			LOI, Moisture & Other Losses	7.56	6,900
<b>Total</b>		<b>91,300</b>			<b>91,300</b>

9. **Manufacturing Process** - The process of production involves charging various grades of Coal tar in pre-determined ratio from storage/charging tank and melting tank into the distillation vessel and given heating charge through arrangement of submerged flue tube. After attaining certain temperature, moisture content in the Coal tar / various light aromatics and tar oil get evaporated and is condensed and collected through an arrangement of bunch type water cooled condenser. Extent of oil extracted depends on the softening point and various specification of pitch as desired by customer as final product.
10. **Product Uses** - Naphthalene oils / Naphthalene lumps are to be used for manufacturing of pressed Naphthalene cake, Naphthalene Balls/Powder. Light Creosote Oil, Heavy Creosote Oil & Anthracene Oil are used for manufacturing of intermediates for Phenyl Industries and as wood preservative. Coal tar / Coal tar Pitch / Still bottom oil are used for manufacturing of Coal tar Paints and intermediates for carbon Industries.
11. **Water requirement:** The total water used in the project is 10 KLD and the Source is Ground Water. Agreement for the same with Superintending Engineer, Burla Irrigation Division vide letter no. BID-DB-WT-22/No. 3497 (WE) dtd. 25.08.2022. Detailed water usage is mentioned in below table.

S. No.	Description	Consumption in KLD (Fresh Make Up Water)	Remarks
1.	Sprinkling for dust suppression	2	--
2.	Public Drinking	1	--
3.	Condenser Cooling	3	Cooling Tower installed over 250 KL underground water storage tank.
4.	Domestic	2	Waste water inlet into soak pit & septic tank
5.	Green Belt	2	--
	<b>Total</b>	<b>10</b>	--

12. **Waste Water Treatment:** Domestic used waste water is around 0.05 KLD which is discharged to Septic Tank & Soak Pit. 10 KLD STP will be constructed to treat sewage water. The sludge from STP will be used for green belt development. Further there is Effluent Treatment System (20 KL) for treatment of surface runoff -water during monsoon period. The unit has provided garland drains along the boundary wall followed by settling tank to avoid any discharge of wastewater to outside the factory premises.
13. **Rain water Harvesting system** - Total Rain water available is 11447.19 – 572.35 (about 5% loss from evaporation) = 10874.84 m<sup>3</sup>/ Year. (10875 m<sup>3</sup>/ year) which is use for ground water recharge.
14. **Power requirement:** Total power is 134 KVA on HT line and Source is TPWODL. An agreement copy of WESCO (formerly TPWODL) vide no. WESCO/Com/SBP/AG-2019-234(4) dtd. 20.04.2019. Diesel consumption for DG sets is approx. 1KL/Annum. Coal Tar by-product Heavy creosote oil (captive) used as fuel in distillation process.
15. **Greenbelt:** Existing Greenbelt details are - Out of total land of 4.76 Acres, green belt is developed over an area of 1.18 Acres which is about 25% of total land, planted with 280 nos. of species and proposed on 0.392 Acre which is about 8.025% of total land,

planted with 1310 nos. of species. Hence, total greenbelt is 33.025% of plot area i.e.1.572 Acres.

16. The baseline data was collected from December 2022 to February 2023.
17. **Manpower:** Total people employed is 20nos. (Permanent staff- 10 & Contractual staff- 10).
18. **Project cost:** The project cost is Rs. 6.753 Crores and proposed EMP Capital cost is Rs. 0.41 Crores and annual recurring cost is Rs. 0.053 Crores.
19. The Environment consultant **M/s Visiontek Consultancy Services Pvt. Ltd, Bhubaneswar**, along with the proponent made a presentation on the proposal before the Committee.
20. The representative of the project proponent requested to exempt Public Hearing for the grant of EC to match the time line as per the direction of Hon'ble Supreme Court of India with following justification;

Supreme Court Interim Order, dated 24.11.2022	For processing EC within 180 days (6 months) and to list the matter in First week of APRIL 2023 for further consideration.	<b>Duration for Obtaining EC – From Nov 2022 to May 2023 (6 months)</b>
Application for TOR	03.02.2023	
Presentation for TOR approval before SEAC	20.02.2023	
Base Line Data Collection	Dec 2022-Feb 2023 (3months)	
Draft EIA Report Preparation	Mar 2023- Apr 2023 (2 Months)	
Grant of EC	May 2023 (1 month)	

- To abide by the Interim Order of Hon'ble Supreme Court of India, we need to complete EC process within 6 months i.e. by May 2023.
- Public Hearing process normally takes about 3 months.
- The plant is operating since 2016 with valid CTE & CTO granted by SPCB, Odisha. As per the direction of Hon'ble Supreme Court of India, application has been filed for regularization of plant to obtain EC.
- There is no additional requirement of resources viz. land, water, power, raw materials, man power etc.

21. The SEAC opined that the unit is operating without Environmental Clearance and Hon'ble Supreme Court of India passed order to obtain EC. There is no specific direction in the order passed by the Hon'ble Supreme Court of India, New Delhi about exemption of public hearing for obtaining Environmental Clearance. The order of Hon'ble Supreme Court of India, New Delhi is also silent about whether this case will be treated as a violation case. However, the SEIAA may consider to decide if this case will be treated as a violation case in absence of any specific order of Hon'ble Supreme Court of India.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar**, the SEAC prescribed the following specific ToRs in addition to standard ToRs as per **Annexure – A** for conducting detailed EIA study.

- i) The project proponent shall conduct public hearing for the project.
- ii) Detailed specification of ETP to be used including confirmation of chemical analysis of treated waste water from ETP and "zero discharge" SOP.
- iii) Detailed proposal for management of Hazardous waste generated.
- iv) Land schedule along with kissam plot wise in tabular form.
- v) Chemical Analysis of Waste water and ensure zero liquid discharge from the premises. Water balance with ZLD proposal to be submitted.
- vi) Mitigation measures to be undertaken to arrest pollutants going to air including composition / chemical analysis of process loss effluents and emissions to be found out and technology driven mitigation measures to be submitted.
- vii) Occupational health study in the area including adoption of ISO 14001 and OHSAS to be submitted.
- viii) Measures to be taken to control odour problem.
- ix) To submit STP and it's capacity including the water balance (both monsoon and non-monsoon) and disposal of excess treated waste water, quantity, mechanism and SOP.
- x) To indicate details of bore well, tube well and Pond/ or water bodies physically present within 2-5 kms of the proposed project and the habitation within 5 kms.
- xi) SOP for periodical testing of the water/ tube Wells, bore well and Ponds / water bodies w.r.t Cyanide, phenolic compounds (Phenol), ammonia and health hazardous substances Etc. w.r.t BIS for drinking water suitability.
- xii) To make provision of concrete Garland drain around the boundary of the project to collect surface runoff/ storm water/ or any mix of treated waste water from ETP, collection of the same in an impervious concrete Pond with matting to arrest any leached and recycling of the same in ETP.
- xiii) To have technological provision in ETP so that have treated liquid outlet discharge having Cyanide, Phenol or ammonia contain etc. and continuous chemical analysis of the same.
- xiv) To have provision of concrete Pit of appropriate dimension with matting to put ETP sludge and SOP for suitable disposal of the same after due chemical analysis.

- xv) To undertake traffic density study by domain expert at the intersection of the incoming vehicles/ outgoing vehicles of the proposed project with NH 200 which is located at about 200 mtr from the project side.
- xvi) To undertake socio- economic study of the locality through the domain expert.
- xvii) Sulphur content in coal tar and sulphur mass balance in the whole process.
- xviii) Detail report on phenol content, cyanide content and hydrocarbon content present in air, oil and water. Also mitigation measures to combat the pollutants with procedures to be adopted, frequency of treatment etc to be provided.
- xix) Details of Hydrocarbon loss during the manufacturing process.
- xx) Provision of solar power (with detail calculations of power consumption) in the plant area to supplement the power consumption.



**MEMBER SECRETARY, SEAC**

## ANNEXURE-A

### **STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR M/S. SHOBHA CHEMICAL INDUSTRIES PVT LTD FOR EXISTING COAL TAR DISTILLATION AND ITS BY-PRODUCTS PLANT OF CAPACITY (91,300 TPA INPUT & 84,400 TPA OUTPUT) LOCATED AT PLOT NO.- 667 & 659, VILLAGE- JAMMAL, P.O - GODIGAON, TAHASIL - KOLABIRA, DISTRICT- JHARSUGUDA OF SRI RAKESH PORWAL- TOR**

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1) **Executive Summary**

2) **Introduction**

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3) **Project Description**

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. **Expansion/modernization proposals:**
  - a) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing / existing operation of the project from SPCB shall be attached with the EIA-EMP report.

b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification, 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

**4) Site Details**

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification  
for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

**5) Forest and wildlife related issues (if applicable):**



- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

**6) Environmental Status**

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall

be prepared and furnished.

- xi. Socio-economic status of the study area.

**7) Impact and Environment Management Plan**

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.

- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**8) Occupational health**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

**9) Corporate Environment Policy**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

**11) Enterprise Social Commitment (ESC)**

- i) Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.
- 14) **The prescribed TOR would be valid for a period of four years for submission of the EIA/EMP report.**