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**State Environment Impact Assessment Authority**  
**Pranisampad Bhawan, 5<sup>th</sup> Floor, Sector-III, Salt Lake, Kolkata - 700106**  
**( West Bengal )**  
**Minutes of SEIAA Meeting**  
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Subject:- 75<sup>th</sup> meeting of SEIAA

Venue:- Conference Room of Environment Department, Prani Sampad Bhavan, 5th Floor, LB Block, Sector III, Salt Lake, Kolkata 700106.

From :- 20 September 2022

To :- 20 September 2022

1. Proposal No. :- SIA/WB/IND/61186/2021 File No- EN/T-II-1/057/2021

Proposed 56,000 TPA Green Field Coal Tar Distillation Plant for production of 30,800 TPA of Coal Tar Pitch; 22,120 TPA of Creosote Oil (light and heavy) and 1680 TPA of Crude Naphthalene at Export Promotion Industrial Park (EPIP), under WBSIDC Ltd., Vill.: Bamunara, Mouza : Bamunara, P.S. : Kanksa, Dist.: Paschim Bardhaman, West Bengal by M/s. B. S. TAR Pvt. Ltd.

Type-  
EC

### INTRODUCTION

The proponent made online application vide proposal no. SIA/WB/IND/61186/2021 dated 19 Aug 2022 along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. 4(b) **Coke oven plants**, under Category "B1" of EIA Notification 2006 and the proposal is appraised at State level.

The project proponent (PP) obtained ToR for the proposed project vide File No. EN-T-II-1/057/2021 dated 05.04.2021.

The matter was considered by the SEAC in its 50<sup>th</sup> meeting held on 31.08.2022. The SEAC considered the O.M. of MoEF&CC vide F No. 22-23/2018.IA.III [E 115231] dated 05.07.2022 along with O.M. dated 31.10.2019 and 30.12.2019 and observed that the project activity falls within 5 Km. of the boundary of Durgapur Municipal Corporation area, which is declared as Severely Polluted Area, the same may be considered at MoEF&CC as directed in the O.M.s referred above. Although, SEIAA forwarded the proposal to SEAC for appraisal, the PP was not called for presentation considering the above mentioned OMs. Therefore, SEAC decided to forward the proposal to SEIAA for taking necessary action.

### PROJECT DETAILS

The project of M/s B S TAR PVT. LTD. located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	West Bengal	Paschim Bardhaman	Kanksa	Bamunara

The production details / project configuration is as follows :

Project configuration/product details						
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Coal Tar Pitch	30800	1		Road	
(2.)	Naphthalene-sludge from Light creosote oil	1680	1		Road	
(3.)	Creosote Oil -Heavy +Light	22120	1		Road	

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Coal Tar	56000	1		Rourkela Steel Plant, Rourkela	Road		5.5

#### DELIBERATION IN SEIAA

In view of the O.M. No. 22-23/2018-IA.III[E115231] dated 05.07.2022 of MoEF&CC, the above project which is categorised as a 'B1' project is transferred to MoEF&CC for further necessary action.

#### RECOMMENDATIONS OF SEIAA

Transferred to MoEF&CC for further necessary action.

#### Conclusion

Transferred to MoEF&CC for further necessary action.

2. Proposal No. :- SIA/WB/MIS/241972/2021 File No- EN/T-II-1/053/2022

Proposed development of a Residential Building 'ANANTA' at L.R. Plot No -21, 143, 144, 146, 147, 155, R.S. Plot No -88, 89, 91, 94, 97, 150, 151, L.R. Khatian No. - 217, 219, 220, 1244, J.L. No. - 81, Touzi No - 91, Mouza - Gourcharan, Pargana - Patharghata, P.S.- Matigara, Dist - Darjeeling, West Bengal by M/s. City Developers

Type-  
EC

#### INTRODUCTION

The proponent made online application vide proposal no. SIA/WB/MIS/241972/2021 dated 11 Aug 2022 seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. 8(a) **Building and Construction projects**, under Category "B2" of EIA Notification 2006 and the proposal is appraised at State level.

The matter was taken up by the SEAC in its 49<sup>th</sup> meeting held on 24.08.2022 where the PP presented their case. Based on the submission and presentation made by the PP, the committee noted that the PP has



already started construction work at the project site and a major portion of the project appears to have been completed, which is a gross violation of EIA Notification, 2006 and its subsequent amendments. Therefore, the SEAC recommended that the present proposal of the PP shall be rejected and the PP shall apply afresh under violation category.

### **PROJECT DETAILS**

The project of M/s **CITY DEVELOPERS** located in as follows :

State of the project									
S. No.	State			District		Tehsil		Village	
(1.)	West Bengal			Darjeeling		Matigara		Patharghata	
14. Project configuration/product details									
S. No.	Project configuration/product details			Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product		Other Mode of Transport
Five (5) Residential Buildings: Block A – B + G + 10 storied, Block B – B + G + 10 storied, Block C – B + G + 10 storied, Block D – B + G + 10 storied, Block E – B + G + 10 storied									
Raw Material Requirement details									
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product		Other Mode of Transport	Distance of Source from Project Site(Kilometers)
NIL									

### **DELIBERATION IN SEIAA**

SEIAA considered the recommendation of SEAC and approved the same. It was decided to reject the EC application.

### **RECOMMENDATIONS OF SEIAA**

The EC application is rejected.

### **Conclusion**

**Rejected**

3. Proposal No. :- SIA/WB/NCP/63326/2019 File No- EN/T-II-1/056/2019 Proposed Common Biomedical Waste Treatment Facility at JL No. 142, Plot No. 4 & 6, Mouza – Radharamanpur, Block – Barjora, Dist – Bankura, West Bengal by M/s. Greentech Environ Management Pvt. Ltd.	Type- EC
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### **INTRODUCTION**

The proponent made online application vide proposal no. SIA/WB/NCP/63326/2019 dated 14 Jul 2021 along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. 7(d)(a)Common Bio-Medical Waste Treatment

Facility, under Category "B1" of EIA Notification 2006 and the proposal is appraised at State level.

The PP obtained ToR for the proposed project vide Memo No. 978-2N-51/2019(E) dated 02.09.2019.

SEAC recommended the proposed project for Environmental Clearance during its 49<sup>th</sup> meeting held on 24.08.2022.

**PROJECT DETAILS**

The project of M/s **GREENTECH ENVIRON MANAGEMENT PVT LTD** located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	West Bengal	Bankura	Barjora	Radharamanpur

The production details / project configuration is as follows :

Project configuration/product details						
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
Common Biomedical Waste Treatment Facility (CBWTF)						

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Personal Protective Equipment	0	9	number as per requirements	Local Market	Road		1
(2.)	Plastic color coded bags	0	1		Local Market	Road		3
(3.)	Chemicals	0	1		Local Market	Road		2
(4.)	Diesel	0	4		Local Market	Road		3
(5.)	Bio Medical Waste	6	1		Health care units	Road		2
(6.)	Plastic color coded containers	0	1		Local Market	Road		3
(7.)	Spares	0	1		Local Market	Road		2



## DELIBERATION IN SEIAA

SEIAA considered the recommendation of SEAC and observed that the project proponent (PP) should submit the following in the PARIVESH Portal:-

- a) Mouza map showing all the dag nos. within the project boundary.
- b) It is noted that CPCB has issued detailed guidelines for establishment of Common Biomedical Waste Treatment Facilities dated 21.12.2016. The PP is requested to obtain a report from WBPCB regarding the compliance status of above guidelines issued by CPCB in respect of the proposed project.

WBPCB is requested to revisit their report and categorically mention about the compliance regarding Para 5.12 of CPCB guidelines and Sl. No. 2 of Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities.

The PP is further requested to obtain the said report from WBPCB and upload the same in the PARIVESH portal.

## RECOMMENDATIONS OF SEIAA

Therefore, the application for EC is deferred (Additional Information).

## Conclusion

Deferred

4. Proposal No. :- SIA/WB/NCP/67068/2019 File No- Memo No: EN/T-II-1/051/2019  
Proposed Common Biomedical Waste Treatment Facility at Plot No. LR 184 & RS 141, Mouza – Type- EC  
Rahimpur, PS – Gazole, Dist – Malda, West Bengal by M/s. RVD Waste Tech Pvt. Ltd.

## INTRODUCTION

The proponent made online application vide proposal no. SIA/WB/NCP/67068/2019 dated 30 Aug 2021 along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. 7(d)(a) Common Bio-Medical Waste Treatment Facility, under Category "BI" of EIA Notification 2006 and the proposal is appraised at State level.

The PP had obtained ToR for their expansion proposal vide Memo no. 979-2N- 50/2019(E) dated 02.09.2019 against proposal no. SIA/WB/MIS/37391/2019.

The project was placed in the 63<sup>rd</sup> meeting of SEIAA held on 14.06.2022 and it was observed that some documents required to be uploaded in the PARIVESH Portal. The project proponent uploaded documents on 07.09.2022.

## PROJECT DETAILS

The project of M/s M/S. RVD WASTE TECH PVT. LTD. located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	West Bengal	Malda	Gazole	Rahimpur

The production details / project configuration is as follows :

Project configuration/product details

S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Capacity	8.4	9	MT/D	Road	

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Biomedical Waste	3066	1		Health Care Facilities	Road		150

#### DELIBERATION IN SEIAA

SEIAA considered the submission made by the project proponent vide their letter Ref. No. RVD/22-23/065 dated 06.09.2022 uploaded on 07.09.2022 and observed that a report from WBPCB was requested regarding the compliance status of CPCB guidelines for establishment of Common Biomedical Waste Treatment Facilities dated 21.12.2016 in respect of the proposed project. However, in the report referred by the PP, the compliances regarding Para 5.12 of the said guidelines is not reflected.

WBPCB is requested to revisit their report and categorically mention about the compliance regarding Para 5.12 of CPCB guidelines and Sl. No. 2 of Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities.

The PP is further requested to obtain the said report from WBPCB and upload the same in the PARIVESH portal.

#### RECOMMENDATIONS OF SEIAA

Therefore, the application for EC is deferred (Additional Information).

#### Conclusion

**Deferred**

5. Proposal No. :- SIA/WB/NCP/70281/2017 File No- EN/T-II-1/075/2017

Proposed Housing Complex "Bhawani Courtyard" at 91/1, Jessore Road (South), Madhyamgram Under Madhyamgram Municipality, Mouza – Sahara, JL No. 46, R. S. No. – 3, Touzi No.- 146, Khatian No.- 3052, R. S. Dag No.- 443, 447, 448, 449, 450, 462, PS – Airport, District – North 24 Parganas, West Bengal by M/s. Himanga Mercantiles Pvt. Ltd.

Type- EC

#### INTRODUCTION

The proponent made online application vide proposal no. SIA/WB/NCP/70281/2017 dated 30 Oct 2017 seeking environment clearance under the provisions of the EIA Notification, 2006 for the above-mentioned project. The proposed project activity is listed at SL. No. 8(a) Building and Construction projects under Category "B2" of EIA Notification 2006 and the proposal is appraised at State level.



Earlier the project had received stipulated conditions for environmental clearance for the project vide Memo No. 684/EN/T-II-1/075/2017 dated 22.03.2018 for a built-up area of 30198.00 sq.m. and land area of 10960.00 Sq.m. comprising of: Residential blocks (9 nos.)-G+6 and Commercial Block (1 no.) - G+3 storied. Total no. of flats: 249. The PP had uploaded sanction building plan on 11.07.2022 in the PARIVESH Portal. SEIAA forwarded the proposal to SEAC for consideration the sanction plan submitted by the project proponent, which was considered by the SEAC in the 51<sup>st</sup> meeting held on 07.09.2022.

The SEAC observed that the project proponent has undertaken construction activity without obtaining prior EC. It was also noted that the West Bengal Pollution Control Board had issued direction vide Memo. No. 288(10)-1M-11/2009(Pt-III) dated 15.03.2022 with a copy to SEIAA. Since SEAC considered the project as a case of willful and deliberate violation and recommended that the present proposal to be rejected, the PP should apply afresh in the PARIVESH portal for issuance of Terms of Reference under violation category.

#### **PROJECT DETAILS**

The project of M/s **HIMANGA MERCANTILES PVT LTD** located in as follows :

<b>State of the project</b>								
S. No.	State	District	Tehsil	Village				
(1.)	West Bengal	North 24 Parganas	Barasat - I					
14. Project configuration/product details								
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport		
Building and Construction project of total built-up area of 30198.00 sqm on a land area of 10960.00 sqm.								
Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
NIL								

#### **DELIBERATION IN SEIAA**

SEIAA considered the recommendation of SEAC regarding the commencement of the construction activity by the PP without obtaining EC which puts the project under violation category.

#### **RECOMMENDATIONS OF SEIAA**

The project proponent is required to show cause and appear for a hearing before the SEIAA, WB before a final decision on EC application is taken.

#### **Conclusion**

**For further consideration**

6. Proposal No. :- **SIA/WB/NCP/75645/2018** File No- **EN/T-II-1/061/2018**  
Proposed Residential Building at Premises No.46A/1, Biplabi Barin Ghosh Sarani (Formerly an apportioned portion of premises No. 46A, Biplabi Barin Ghosh Sarani), Kolkata-700067, Ward No-14, Borough No –III, P.S.- Maniktala Under KMC, West Bengal by **M/s. Swastik Projects Pvt. Ltd.**

Type-  
EC

### **INTRODUCTION**

The proponent made online application vide proposal no. **SIA/WB/NCP/75645/2018** dated **16 Jul 2018** seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. 8(a) Building and Construction projects under Category "B2" of EIA Notification 2006 and the proposal is appraised at State level.

Earlier the project had received Environmental Clearance vide No. Memo No. 2176/EN/T-II-1/081/2012 dated 25.09.2017 for a built up area of 27947.489 sq.m. on a land parcel of 9474.00 sq.m. Initially the proposal was for the construction of 01 Residential Block of B+G+12 storied having 188 nos. flats. Thereafter, the project proposal was revised / modified and the proponent applied in prescribed format for environmental clearance and uploaded the application in the PARIVESH portal on 16.07.2018. The project had received stipulated conditions for environmental clearance for the project vide Memo No. 29/EN/T-II-1/061/2018 dated 04.01.2019 for a built-up area of 31636.43 sq.m. and land area of 9474.00 sq.m.

A field inspection of the project site to ascertain the present status of the project was conducted by WBPCB on 11.06.2022. It was reported that no construction work was started.

SEAC recommended Environmental Clearance for the proposed project in cancellation of the earlier EC issued vide No. 2176/EN/T-II-1/081/2012 dated 25.09.2017.

The project was placed in the 73<sup>rd</sup> meeting of SEIAA held on 08.09.2022 and it was observed that some clarification required to be uploaded in the PARIVESH Portal. The project proponent uploaded reply on 15.09.2022.

### **PROJECT DETAILS**

The project of M/s **SWASTIK PROJECTS PVT. LTD.** located in as follows :

State of the project								
S. No.	State		District		Tehsil		Village	
(1.)	West Bengal		Kolkata		Kolkata			
14. Project configuration/product details								
S. No.	Project configuration/product details		Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product		Other Mode of Transport
	Construction of residential complex comprising of B+G+23 storied Building with three wings. Wing A, Wing B, Wing C. Total built up area - 31669.48 sq.m., Land Area - 9474.00 sq.m. and total no. of flats - 248 nos. (2 BHK – 80, 3 BHK – 168).							
Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product		Other Mode of Transport
NIL								



## DELIBERATION IN SEIAA

SEIAA considered the submission made by the project proponent vide their letter no. NIL dated 13.09.2022 uploaded on 15.09.2022 and accepted the same.

## RECOMMENDATIONS OF SEIAA

The application for EC is approved based on the KMC Building Permit No. 2021030076 dated 29.11.2021.

### Conclusion

### **Recommended**

S.No	Conditions
(1)	<p><b>I. Statutory compliance:</b></p> <ol style="list-style-type: none"><li>i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.</li><li>ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.</li><li>iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.</li><li>iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</li><li>v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention &amp; Control of Pollution) Act, 1981 and the Water (Prevention &amp; Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.</li><li>vi. The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.</li><li>vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.</li><li>viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.</li><li>ix. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.</li><li>x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.</li><li>xi. The project proponent should strictly comply with the guidelines for High Rise Buildings, issued by MoEF, GoI vide No. 21-270/2008-IA.III dated 07.02.2012.</li><li>xii. The project proponent shall comply with the EMP as proposed in terms of Office Memorandum issued by the MoEF &amp; CC vide F. No. 22-65/2017-IA.III dated 30.09.2020.</li></ol> <p><b>II. Air quality monitoring and preservation</b></p> <ol style="list-style-type: none"><li>i. Notification GSR 94(E) dated 25.01.2018 of MoEF&amp;CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.</li><li>ii. A management plan shall be drawn up and implemented to contain the current exceedance</li></ol>



in ambient air quality at the site.

- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel is mandatory. The location of the DG sets may be decided in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

### **III. Water quality monitoring and preservation**

- i. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.



- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  - vii. Installation of dual pipe plumbing for supply of recycled water and other for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. and for supplying fresh water for drinking, cooking and bathing etc. shall to be done.
  - viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.
  - ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
  - x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  - xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  - xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
  - xiii. All recharge should be limited to shallow aquifer.
  - xiv. No ground water shall be used during construction phase of the project.
  - xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the State Water Investigation Directorate (SWID) in the matter. Formal approval shall be taken from the SWID for any ground water abstraction or dewatering.
  - xvi. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening.
  - xvii. No sewage or untreated effluent water would be discharged through storm water drains.
  - xviii. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by MoEF&CC. Natural treatment systems shall be promoted.
  - xix. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
  - xx. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- IV. Noise monitoring and prevention**
- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  - ii. Noise level survey shall be carried out as per the prescribed guidelines and report in this



regard shall be submitted to Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly compliance report.

- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

**VI. Waste Management**

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.



- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

**VII. Water Body Conservation:-**

- i. Existing water body (if any) should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat.

**VIII. Green Cover**

- i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.
- ii. No tree can be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- iii. The proponent should plant at least **201** nos. trees for the total project (existing + expansion). The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The project proponent should follow plantation plan approved by DFO, Forest Utilisation Division vide Memo no. 666/13-1 dated 13.05.2021.
- iv. Where the trees need to be cut with prior permission from the concerned Local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

**IX. Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and to be operated only during non-peak hours.
- iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**X. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of



construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

#### **XI. Environment Management Plan (EMP)**

- i. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.
- ii. Need based activities for local people is part of the EMP. Details of such activities is submitted by the Project Proponent.
- iii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB as a part of six-monthly report.
- iv. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.
- vi. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF&CC along with SEIAA and WBPCB along with the Six-Monthly Compliance Report.

#### **XII. Miscellaneous**

- i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.
- ii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the



- stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal with a copy to SEIAA and WBPCB.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  - vii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  - viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee (SEAC).
  - x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.
  - xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - xiv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office of MoEF&CC / SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports.
  - xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  - xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

7. Proposal No. :- SIA/WB/IND/79685/2022 File No- EN/T-II-1/055/2022

Proposed expansion of existing Aluminum Foil Rolling Mill from 80MT/ Day to 120MT/Day Type- located at Plot no.1920, 1904, 1902, 1912, 1918, Mouza- Pakuria, J.L. No. 54, P.S. Domjur, TOR District- Howrah, West Bengal by M/s. Shyam Sel and Power Ltd.

### INTRODUCTION

This has reference to the online application vide proposal no. SIA/WB/IND/79685/2022 dated 08 Aug 2022 seeking Terms of reference (TOR) under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S.No 3(a) Metallurgical industries (ferrous & non ferrous) under Category B of EIA Notification, 2006 and the proposal is appraised at state level.

Based on the submission and presentation made by the project proponent during its 51<sup>st</sup> SEAC meeting held on 07.09.2022, the committee after careful consideration and detailed deliberation



recommended the proposal for Standard Terms of Reference for conducting EIA study along with public hearing for the project as per the provision of EIA Notification, 2006 and its amendments with the following additional conditions: –

- a) DFO certified plantation plan (along with survival plan) for greenbelt development for at least 33% of the plot area on virgin soil. If compensatory plantation is proposed, proper documents for compensatory plantation i.e. land, ownership, conversion etc. should be provided.
- b) Flow diagram for effluent treatment plant and sewage treatment plant showing all the components. The effluent quality both inlet and outlet should be provided.
- c) Details of emission control system provided for mist removal. Technical details of the oilmist recovery system should be furnished.
- d) Detailed hydrogeology of the area and impact on ground water flow to be provided. Groundwater abstraction permission should be submitted.
- e) Detailed plan for handling solid waste etc.
- f) Display board for displaying environmental parameters and beneficiary of the social component of EMP should be provided.
- g) Compliance status of the conditions of Consent to Operate issued by WBPCB

### **PROJECT DETAILS**

The project of M/s **SHYAM SEL & POWER LIMITED** located in as follows :

<b>State of the project</b>			
<b>S. No.</b>	<b>State</b>	<b>District</b>	<b>Tehsil</b>
(1.)	West Bengal	Howrah	Domjur

Town/Village : **Pakuria**

The salient features of the project submitted by the project proponent is available at Report under online proposal no. **SIA/WB/IND/79685/2022**

### **DELIBERATION IN SEIAA**

**SEIAA considered the recommendation of SEAC and accepted the same.**

### **RECOMMENDATIONS OF SEIAA**

**SEIAA approved the proposal for ToR.**

### **Conclusion**

### **Recommended**

<b>S.No</b>	<b>Conditions</b>
(1)	SEIAA approved the proposal for Standard Terms of Reference for conducting EIA study along with public hearing for the project as per the provision of EIA Notification, 2006 and its amendments with the additional conditions. The prescribed TORs given below along with the Executive Summary (Annexure – 1) for preparation of EIA-EMP report:



## **A. STANDARD TERMS OF REFERENCE**

### **1. Executive Summary (Annexure – 1)**

### **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 leexisting 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,



	<p>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.</p> <ul style="list-style-type: none"> <li>vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.</li> <li>viii. Land use 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)</li> <li>ix. A list of major industries with name and type within study area (10km radius) shall be</li> <li>x. incorporated. Land use details of the study area</li> <li>xi. Geological features and Geo-hydrological status of the study area shall be included.</li> <li>xii. 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)</li> <li>xiii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.</li> <li>xiv. R&amp;R details in respect of land in line with state Government policy.</li> </ul> <p><b>5. Forest and wildlife related issues (if applicable):</b></p> <ul style="list-style-type: none"> <li>i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)</li> <li>ii. Landuse 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)</li> <li>iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.</li> <li>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-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.</li> <li>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.</li> <li>vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.</li> </ul> <p><b>6. Environmental Status</b></p> <ul style="list-style-type: none"> <li>i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.</li> <li>ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, 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.</li> <li>iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM 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.</li> </ul>
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- 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. Environment Management Plan (EMP)**

- i. The project proponent should submit the proposed EMP on six monthly basis. The office Memorandum issued by the MoEF&CC vide F.No.22-65/2017-IA, III dated 30/09/2020 should be strictly followed.

**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.

**B. Additional Terms of Reference**

- a) DFO certified plantation plan (along with survival plan) for greenbelt development



for at least 33% of the plot area **on virgin soil**. If compensatory plantation is proposed, proper documents for compensatory plantation i.e. land, ownership etc should be provided.

- b) Flow diagram for effluent treatment plant and sewage treatment plant showing all the components. The effluent quality both inlet and outlet should be provided.
- c) Details of emission control system provided for mist removal. Technical details of the oil-mist recovery system should be furnished.
- d) Detailed hydrogeology of the area and impact on ground water flow to be provided. Groundwater abstraction permission should be submitted.
- e) Detailed plan for handling solid waste etc.
- f) Display board for displaying environmental parameters and beneficiary of the social component of EMP should be provided.
- g) Compliance status of the conditions of Consent to Operate issued by WBPCB.

**C. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR METALLURGICAL INDUSTRIES (FERROUS & NON FERROUS)**

- 1) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
- 2) Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
- 3) Details on installation/activation of opacity meters with recording with proper calibration system
- 4) Details on toxic metals including mercury, arsenic and fluoride emissions
- 5) Details on stack height requirement for integrated steel
- 6) Details on ash disposal and management -Non-ferrous metal
- 7) Complete process flow diagram describing production of lead/zinc/copper/ aluminium, etc.
- 8) Raw materials substitution or elimination
- 9) Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation
- 10) Details on Holding and de-gassing of molten metal from primary and secondary aluminium, materials pre-treatment, and from melting and smelting of secondary aluminium
- 11) Details on solvent recycling
- 12) Details on precious metals recovery
- 13) Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
- 14) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 15) Trace metals Mercury, arsenic and fluoride emissions in the raw material.
- 16) Trace metals in waste material especially slag.
- 17) Plan for trace metal recovery
- 18) Trace metals in water

**Annexure – 1**

**Executive Summary**

The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points:



- 1) Project name and location (Village, District, State, Industrial Estate (if applicable).
- 2) Products and capacities. If expansion proposal, then existing products with capacities as reference to earlier EC.
- 3) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- 4) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- 5) Measures for mitigating the impact on the environment and mode of discharge or disposal
- 6) Capital cost of the project, estimated time of completion.
- 7) Site selected for the project - Nature of land - Agricultural (single/double crop), barr Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10km. other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary).
- 8) Baseline environmental data - air quality, surface and ground water quality, soil characteristics, flora and fauna, socio-economic condition of the nearby population.
- 9) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- 10) Likely impact of the project on air, water, land, flora-fauna and nearby population.
- 11) Emergency preparedness plan in case of natural or in plant emergencies.
- 12) Issues raised during public hearing (if applicable) and response given.
- 13) Environment Management Plan (EMP) as per Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 with proposed expenditure.
- 14) Occupational Health Measures.
- 15) Post project monitoring plan.

#### **MISCELLANEOUS**

1. Inspection report with respect to the complaint received from Ankur Sharma about filling of water bodies and flouting of environmental norms at "Gems City" at Bakrahat Road, Mouza – Uttar Kajirhat, Paschim Bishnupur Gram Panchayat Bishnupur – I, PS – Bishnupur, Dist. - South 24 Parganas, PIN : 700104, West Bengal.

**A site inspection of the project was conducted by WBPCB on 17.05.2022 and placed before SEAC. Based on the inspection report by WBPCB, SEAC noted that the project in question appears to be a case of violation of EIA Notification, 2006. Since no application for EC has been made, the project is identified as a violation case.**

**In exercise of the powers conferred under Section 5 of the Environment (Protection) Act, 1986 and its subsequent amendments and the Standard Operating Procedure for identification and handling of violation cases under EIA Notification, 2006 vide MoEF & CC O.M. No. 22-21/2020-IA.III dated 07.07.2021, the project proponent is hereby directed to stop all works within the project area immediately and to show cause within a period of 7 days from the date of issue of the letter by MS, SEIAA as to why action under aforesaid act and notification not taken against him.**