

Minutes of 189th Meeting of SEIAA, Odisha held on 07.02.2025 at 11.00 AM

PARIVESH 1.0, AGENDA No. 189.48	
Proposal No.	SIA/OR/MIN/418856/2023
Date of application	18.02.2023
File no.	418856/811-MINB1/04-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for EC of Ostapura-Bholanuagaon Cluster Stone Quarry over an area of 10.925 Ha in village - Ostapura & Bholanuagaon, Tahasil – Ghasipura in district Keonjhar of Odisha
Name of the company/Organization	M/S ST MINERALS PRIVATE LIMITED Smt. Sagarika Jena, Director D/o Patabas Jena At/PO: Saroi, Haridaspur Odisha Jajpur 755024
Location of Project	village - Ostapura & Bholanuagaon, Tahasil – Ghasipura in district Keonjhar of Odisha
ToR Date	17.06.2021
Name of the Consultant	M/s EHS360 Labs Private Limited

Proposal in brief:

- I. The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
 - i) Ostapura-Bholanuagaon Cluster Stone Quarry over an area of 10.925 Ha in village - Ostapura & Bholanuagaon, Tahasil – Ghasipura in district Keonjhar of Odisha.
 - ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity 1(a)- Mining of Minerals.
 - iii) The mining area is a part of Survey of India Toposheet No. F45/O4 and is bounded between the Latitude -21° 13' 35.9" N to 21° 13' 47.0" N and Longitude of 86° 04' 08.5 " E to 86° 04' 18.9" E. bearing Khat no. 169, Plot no.-905/1, Kisam-Parbat-II
 - iv) The mining lease is an identified sairat source in the DSR. The Ostapura-Bholanuagaon Cluster Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharakote to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - v) Documents submitted: -Form-1, PFR, DLC, EIA & EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - vi) Whether submitted KML file of the lease area-Yes
 - vii) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide E-Challan Ref No. 30FD4DA82F dt. 08.04.2021
 - viii) Distance from nearest sanctuary/ESZ- Hadagarh WLS-30.0 Km
 - ix) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Ghasipura on 31.03.2021
 - x) Whether the lease area reflecting in DSR-No
 - xi) Method of mining-Semi-mechanized
 - xii) Distance from nearest road bridge-5.5 km, village road -0.50 km
 - xiii) Whether it is part of cluster –No
 - xiv) Whether EC obtained earlier-Yes from SEIAA, Odisha vide letter no. 733/SEIAA dt. 30.01.2016 and submitted EC compliance.

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- xv) Date of approval of mining plan- the Joint Director Geology, Keonjhar vide letter no. 218 dt. 15.01.2021.
- xvi) Production capacity per annum-90,948 cum/annum (max.), total production in 5 years period-4,54,740 cum. Geological reserve-11,88,054 cum and Mineable reserve-7,87,644 cum and proposed depth of mining-5.0 m
- xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- **No**
- xviii) **Legal Issues / Court case details** – A case was filed at the Hon'ble High Court vide case no - W.P(C) No. 34014/2022 filed by Sri Jayanta Kumar Mishra, Bhimasen Hasda, Sudhanshu Sekhar Nayak Vrs SEIAA, Odisha on illegal mining of Ostapura Stone Quarry of Bholanuagaon & Ostapura Cluster Stone Quarry the Hon'ble High Court had passed the judgement to consider the case in favour of petitioner and expedite the process of EC within a period of four weeks from date of production of certified copy of the order.
- xix) As per the decision of the court case the Regional Officer, Keonjhar has submitted the details of public hearing conducted for Ostapura-Bholanuagaon Cluster Stone Quarry on dated 11.10.2022 and following proceedings had been submitted to SEIAA, Odisha on dated 18.11.2022.
- xx) There is also submission of Enquiry Report regarding mining of Ostapura Stone Quarry of Bholanuagaon and Ostapura cluster stone quarry from Tahasildar, Ghasipura that the Ostapura Stone Quarry and Bholanuagaon stone quarry are two permanent minor mineral sources. Prior to implementation of amendment of OMMC Rule, 2016 these sources were put to auction regularly each year. Observing all formalities, these two sources have also been auctioned as long-term lease for 5 years i.e. from 2020-21 to 2024-25 for Ostapura Stone Quarry and from 2022-23 to 2024-25 Bholanuagaon stone quarry. Operationalization of these sources are waited for Environmental Clearance from SEIAA. As per report of R.I. it is revealed that the stone crusher at Ostapura is not functioning at present and no loss of property of the nearby inhabitants is noticed.
- xxi) Past Production details of Ostapura Stone Quarry and Previous EC compliance report has been submitted duly certified by Tahasildar, Ghasipura.
- xxii) The Mining plan of Ostapura Stone Quarry has been approved for a period of five years by The Joint Director of Geology, Keonjhar. Vide letter no – 218/CZ, on dated 15.01.2021. This Mine Plan of Bholanuagaon stone quarry is approved vide letter No. 969 dated 19.05.2022 by the Joint Director Geology, Keonjhar.
- xxiii) The proposed cluster does not come under DLC land as certified by Tahasildar.
- xxiv) The District Survey Report for Road metal/Building Stone / Black Stone in respect of Keonjhar district has been prepared in accordance with Appendix – x, Para – 7 (iii) (a) of S.O. No – 3611(E) dated 25.07.2018 of MoEF & CC, New Delhi and approved by Collector, Keonjhar on dated 28.01.2020. The identified sairat sources is listed in Annexure – I, Sl. No.31 & 28 of DSR report.
- xxv) **ToR details:** Terms of Reference (TORs) has been granted by SEIAA- Odisha vide the Reference No: 1522/SEIAA dated 17-06-2021.
- xxvi) **Public hearing details:** Issues raised during public hearing are measure for protection of house premises from blasting operation in mines, dust emission causing problem to school children, priority of employment to the unemployed youth of the villagers, overall development of villagers, supply of stone to the villagers at reasonable price, development of road, construction of Laxmi Temple, Mahaveer Temple and Mahadev temple, Rejuvenation of village ponds & Mahadev temple, for no cracks in the houses,

- compensation for land losers agriculture fields affected due to mines & damage building and help for widows & others. Budget for Public hearing issues is allocated is 23.5 lakhs.
- xxvii) **Location and connectivity:** The cluster is located in village Ostapura and Bholanugaon over an extent 10.925 Ha under Ghasipura Tehsil in Keonjhar district, Odisha. The quarry Lease area, lies between Latitude of 21° 13' 35.9" N to 21° 13' 47.0" N and Longitude of 86° 04' 08.5" E to 86° 04' 18.9" E bearing Khata no 169 plot no 905/1, Kisam Parbat-II(Ostapura) and Khata no 145 plot no 3/1, Kisam-Parbat-I (Bholanugaon).The lease area is located in survey of India Topo Sheet No. F45/O4, the nearest village of the quarry lease area is panchugochina in 0.3Km towards North West, for the local transportation road for the quarry lease area is sailing road at 0.55Km towards south east, the quarry lease area is near to NH-20 (Keonjhar-panikoila Road) at 2.30 km towards South east direction. Nearest road bridge and river embankment from Ostapura-Bholagaon cluster stone quarry is 5.5km and 6.2km respectively. Bhalugaon reserve forest is at 1Km from the project site.
- xxviii) **Baseline study:** Study Period for the baseline data was carried between Mar to May 2021 (Pre-monsoon Season); 10km radius around mine lease boundary.
- Ambient air quality:** The AAQ analysis indicates that the concentration of PM10 varied from 48 to 74 µg/m³. PM2.5 from 21 to 47 µg/m³. SO₂ from BDL to 10.4 µg/m³, NO_x from BDL to 18.8 µg/m³. Benzene, BaP, Ni, As, & Pb were found below detection limit.
 - Surface water analysis:** Surface water pH values varied between 6.9 to 7.3 while Dissolved Solids varied from 116 to 134 mg/L, Dissolved oxygen varies from 5.0 to 6.2 mg/L, BOD varied from 1.8 to 2.8 mg/L and Chloride values varied between 65 to 78 mg/L. Iron values varied from 0.15 to 0.24 mg/L. Manganese values varied from 0.02 to 0.04 mg/L. Sulphate values varied from 12 to 22 mg/L and Nitrate values varied from 3.0 to 3.4 mg/L. Zinc 0.05 to 0.12 mg/L. Copper BDL to 0.02. Fluoride, Arsenic, Lead, Chromium, Cyanide, Selenium, Fluoride, Phenolic compound and Cadmium have been observed below detection limit and Total Coliform varies from 942 to 1074 MPN/100 ml.
 - Ground water analysis:** pH values varied between 6.8 to 7.4 while Turbidity ranged from <1 to 2.0 NTU. Dissolved Solids varied between 96 to 118 mg/l and total hardness varied from 111 to 129 mg/l. Chloride values varied between 7 to 10.7 mg/l. Calcium values varied between 17.1 to 18 mg/l while Magnesium values varied between 9.6 to 10.7 mg/l. Sulphate values varied from 12.3 to 23.1 mg/l and Nitrate values varied from 2.2 to 3.6 mg/l. Zinc values varied from 0.05 to 0.12 mg/l & Boron from 0.12 to 0.21 mg/l, Lead, Copper, Manganese, Fluoride, Mercury, Cadmium, Cyanide, Arsenic, Selenium, Chromium, Phenolic compounds and Aluminium have been observed below detection limit.
 - Soil Environment:** It is evident from the results that the texture of soil within the study area is sandy silt to sandy loam. Soil of the study area is acidic in nature. The bulk density of soil samples varies from 1.44 to 1.58 gm/cm³; while porosity varies from 33 to 47%.
 - Noise Environment:** Noise level varies from 48.4 to 60.3 dB (A) during Day time and 38.3 to 48.1 dB (A) during Night time, which are below the prescribed limits of CPCB
- (xxix) **Total production and reserves** As estimated, geological and mineable reserve of the Ostapura stone quarry is 11,88,054 cum and 787644 cum. Year wise production of road metal is 81853 cum (Total production in 5 years is 409265 cum). For Bholanugaon stone quarry, geological and mineable reserve 671145.3 cum and 339894 cum respectively. Year wise production of road metal is 28683 cum (Total production in 5 years is 143415 cum).

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- (xxx) **Method of Mining:** Mining operations will be carried out by Semi-mechanized opencast mining method with drilling and blasting. Quarrying activities will be done following all the security majors. Rules and regulations of DGMS and IBM will be observed during the Quarrying operations to avoid unwanted circumstances. The topsoil will be used for greenbelt development and mine waste will be stacked separately, will be used as road building material. Wet drilling will be carried out & Blasting will be done on contract basis. Muffled blasting will be carried to reduce the ground vibration, fly rock etc. due to blasting. Conventional method of mining will be adopted in cluster area. In the present plan period it is proposed to shape the quarry with bench height and width of 5m and 5m respectively. The slope of individual bench will be maintained around 80° to 85° with ultimate pit slope of less than 45°.
- (xxxii) **Water Requirement:** The total water requirement for the project estimated to be 10.0 KLD for mining, spraying, greenbelt development and domestic uses and will be sourced from the nearby available water source/accumulated rain water in mined out pits.
- (xxxiii) **Waste Generation and Disposal:** Total 1, 05,690 m³ of OB and 9095 m³ of waste will be generated in Ostapura Stone Quarry which will be dumped temporarily at the north-east corner part of the lease area. And it will be subsequently utilized for road construction and maintenance during the plan period. 15935 cum of waste and OB of 46855 cum will be generated in Bholanuagaon Stone Quarry which will be dumped temporarily at the Southern part of the lease area.
- (xxxiv) **Greenbelt:** Total 270 no of native species will be planted in 2,430 m² area, during the plan period in Ostapura Stone Quarry. Total 230 no of native species will be planted in 1900/2070 m² area, during the plan period in Bholanuagaon Stone Quarry.
- (xxxv) **Manpower requirement:** Considering the proposed maximum annual production over the Ostapura Stone quarry and Bholanuagaon Stone Quarry, total man power of 99 and 49 people will be required for the proposed project respectively.
- (xxxvi) **Project cost:** Estimated cost of the Ostapura & Bholanuagaon Stone Quarry is Rs.2, 00, 00,000/-. Rs. 3.0 Lakh is incurred for implementing CSR activities.
- (xxxvii) **Environment Consultant:** The Environment consultant M/s EHS 360 Labs Pvt. Ltd., Chennai along with the proponent made a presentation on the proposal before the Committee.
- (xxxviii) The SEAC in its meeting held on 12-06-2023 decided to take the decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
	Proceedings of the Court case and mention the status if the proponent has mentioned regarding it to SEIAA.	Proceeding of the court case and its status is attached as Annexure -1 .	Letter submitted by SPCB RO, regarding the details of court case to SEIAA, enquiry reports by Tahasildar regarding the complaints received and court case has been submitted.
ii)	Documents of Bholanuagaon stone quarry like Previous EC letter, Previous EC compliance report and	Previous EC letters with its compliance reports has attached as Annexure -2 .	Previous EC letters with its compliance reports submitted.

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	other relevant documents related to it.		
iii)	Previous Environmental Clearance along with its compliance report.	Previous Environmental Clearance and its compliance of Ostapura is attached as Annexure -3 .	Previous EC letters with its compliance reports submitted.
iv)	Magazine and Blasting management w.r.t to flying rocks along with mitigation measures to be taken for it.	Magazine and Blasting management w.r.t to flying rocks along with mitigation measures is attached as Annexure -4 .	Annexure -4 is attached.
v)	Dust management due to mining.	Dust generation due to mining activity and its management is attached as Annexure -5 .	Annexure -5 is attached.
vi)	Detailed note on the usage of non-saleable/waste products with supporting documents.	Detailed note on the usage of non-saleable / waste products is attached as Annexure -6 .	Annexure -6 is attached.
vii)	RL of ground water table.	RL of ground water table is at 50M.	-

xxix) Any deficiencies/omission have been noticed in the above documents- Nil.

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on **17.08.2023** and the SEAC approved the EIA/EMP report in cluster approach and recommended the following.

a) The SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for Ostapura-Bholanuagaon Cluster stone quarries cluster without referring to SEAC with specific conditions as per **Annexure – A** after receipt of individual applications from the lessee in cluster along with following documents.

- i) Filled in form-I of individual lease
- ii) Prefeasibility report of individual lease
- iii) EMP of individual lease.
- iv) Approved Mining Plan of individual lease.
- v) Report on vibration study.
- vi) DLC status of the lease area from concerned DFO as certified by the concerned Tahasildar.
- vii) An Undertaking by the lessee not to use wagon drilling blasting to be submitted. Accordingly, specific condition to be stipulated in EC of individual lease.
- viii) No storage and usage of blasting materials/explosives inside the lease area without license/permission/authorization from competent Authority as per Indian Explosives Rules, 1983 shall be ensured by the lessee. An undertaking to this effect shall be submitted by the lessee. Accordingly, specific condition to be stipulated in EC of individual lease.
- ix) An undertaking to obtain NOC from CGWA and permission from WR department, Govt. Of Odisha for use of ground water. Accordingly, specific condition to be stipulated in EC of individual lease.
- x) The project proponent shall maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis. Accordingly, specific condition to be stipulated in EC of individual lease.
- xi) The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which

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is fit for fodder, flora, fauna etc after ceasing mining operation that is at the time of mine closure. Accordingly, specific condition to be stipulated in EC of individual lease.

xii) Detail risk and hazard management procedure as per the **Annexure – B** shall be followed by the lessee.

3. The proposal was placed in 139th SEIAA, Odisha meeting held on 16.10.2023, 17.10.2023 & 19.10.2023. The Authority observed that the cluster EMP cost of Rs.16.00Lakhs as capital cost & Rs.4.00Lakhs as recurring cost is grossly inadequate to address the issues raised during PH & also the petition dated 06.10.2022 & 15.11.2022 enclosed under Annexure-2 series of W(P) C No-34014/2022 of Hon'ble High Court Orissa, Cuttack.

After detailed deliberation on the matter, the Authority decided that the PP is required to revise the EMP and indicate item wise/year wise budget in the EMP to address each & every issue raised in the PH as well as the representations under Annexure-2 series.

A clarification may be sought from Directorate of Mines, Steel & Mines Department regarding the permissible depth of mining. Accordingly, clarification letter was issued on 08.11.2023 to PP and also 23.11.2023 to Director of Mines on depth of mining.

4. In reply to our ADS letter dated 08.11.2023, the PP has submitted revised EMP of Rs. 38.0 Lakh (Capital cost), Rs. 12.0 Lakh (Recurring Cost) & Rs. 36.0 Lakh towards implementation of public hearing demand for both Ostopura & Bholanugaon project. The Mining Officer, Keonjhar vide letter no. 1740 dated 30.12.2024 has clarified that 3959 sqm of lease area has been excavated beyond 6.0 meter.

Decision Of Authority: Deferred for ADS

After detailed deliberation, the authority approved the EIA/EMP report in cluster approach as per SEAC recommendation. The PP is requested to submit fresh individual EC application in Parivesh 2.0 along with attaching the required documents on the above point. Further, the concerned Mining Officer is required to clarify any excess mining was done by earlier lessee and whether any violation as per submission of Mining Officer, Keonjhar in respect to 3959 sqm of lease area has been excavated beyond 6.0 meter.

The source of mining shall be included in the DSR of the District.

Signed by

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA

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PARIVESH 1.0, AGENDA No. 189.49	
Proposal No.	SIA/OR/MIS/267251/2022
Date of application	28.06.2022
State file no.	149248/24-MIS/03-2020
Project Type	Amendment of EC (Increasing build-up area)
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for Modification of Environmental Clearance of M/s. Utkal Builders Ltd. for Development of Private Housing Project 2.191 Acres of land at Plot No.: 336/2120, 336/3046, 336/3035, 336/2764, 336, 336/3221, 334/2272 Khata No- 703/362, 703/1499, 703/1496, 703/1222, 703/2256, 703/1720, 703/559, over a built-up area – 47957.9 SQ.M Near NH-16 Road, at-Patrapada, Bhubaneswar, Dist – Khordha of Sri Rakesh Bhura
Name of the company/Organization	M/s. Utkal Builders Ltd. Sri Rakesh Bhura
Location of Project	At-Patrapada, Bhubaneswar, Dist – Khordha
Whether submitted scrutiny fee (Yes/No)	No, not submitted
ToR issue date	NA
Name of Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar
Proposal in brief:	
<p>The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEIAA, are given as under.</p>	
<p>1. The proposal is for Modification of Environmental Clearance of M/s. Utkal Builders Ltd. for Development of Private Housing Project 2.191 Acres of land at Plot No.: 336/2120, 336/3046, 336/3035, 336/2764, 336, 336/3221, 334/2272 Khata No- 703/362, 703/1499, 703/1496, 703/1222, 703/2256, 703/1720, 703/559, over a built-up area – 47957.9 SQ.M Near NH-16 Road, at-Patrapada, Bhubaneswar, Dist – Khordha of Sri Rakesh Bhura.</p>	
<p>2. Environmental Clearance from SEIAA vide letter no. 1739/SEIAA, dated 16.07.2021 of total built up area is 33.621.35 sqm and total nos. of floor is 17 nos. in Residential Block & 4 Nos. in Commercial Block, but due to height restriction from Airport Authority of India we have reduce the 5 nos. of floor in Residential Block & increased the 8 Nos. of Floor in Commercial Block (Convenient Store) & revised the built-up area i.e. 47.957.94 sqm.</p>	
<p>3. Location and Connectivity - The proposed site is located at Patrapada, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude -20° 14' 44.81" N & Longitude - 85° 46' 32.78" E. The project site is well connected with National Highway-16 (Jharpokharia-Chennai Road). The nearest railway station is Bhubaneswar Railway station at a distance of approx 10.6 Km in South West direction. The nearest airport is Biju Pattnaik Airport Bhubaneswar at a distance of approx. 13.4 Km in South-West direction from project site. The site is located adjacent to the local landmarks, Haridaspur Mosque, Jagannath Temple, Pahala Etc. There is no structure or encroachments on the site. The site is easily accessible from NH-05 Road.</p>	
<p>4. Meteorology: The maximum temperature is about 36.0° C and the minimum temperature is 16.0° C felt in the area. The average annual rainfall in the area is 1326.16 mm.</p>	
<p>5. Building Details of The Project:</p>	
Total Plot Area	: 8,866.66 sqm
Kisam of Land	: Gharabari

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Residential Builtup Area	:	33,350.98 sqm
Commercial Builtup Area	:	14,606.96 sqm
Total Builtup Area:		47,957.94 sqm
Total FAR Area	:	36,535.71 sqm
Ground Coverage	:	3,015.00 sqm
Road & Paved Area:		2,483.00 sqm
Green Belt Area	:	1,793.52 sqm
Total Parking Area	:	11,922.22 sqm
Height of the Building	:	42.00 m

6. **Water requirement:** Fresh make up of **104.0 m³/day** will be required for the project which will be sourced from Ground water. Waste water of 132.1 KLD will be treated in a STP of 150 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Near Drain.
7. **Power requirement:** The daily power requirement for the proposed building is preliminarily assessed as 1376 KW. In order to meet emergency power requirements during the grid failure, there is provision of 2 nos. of DG set having 320 KVA capacities for power back up in the proposed Building Project. For energy conservation, there will be 33 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting, so
Energy conservation by using Solar Street Lighting = $33 \times 72 = 2376 \text{ watt} = 2.4 \text{ KW}$
Energy conservation by using Solar lighting for common area = 151.8 KW
Total Energy Conservation = $(151.8+2.4) \text{ KW} = 154.2 \text{ KW}$
Total Energy saving = $154.2/1376 = 0.1120 \times 100 = 11.2 \%$
8. **Rain Water Harvesting:** Rain Water will be harvested through 6 nos. of recharging pits.
9. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
10. **Green Belt Development:** Green belt will be developed over an area of 1,793.52 sqm which is 20.23 % of the plot area: by using the local species like Neem, Karang, Golden Champa, Bakul, Bela, Bottle Palm, Cheekoo, Guava etc.
11. **Solid Waste Management:** From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/person/day, which will be about 476.1 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured beans. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste. Waste generated from Commercial people will be @ 0.15 kg/capita/day, which will be about 45.0 kg/day. Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers. Around 66.0 kg/day of STP sludge will be generated.
Solid Waste from Residential Population - 476.1 kg/day
Solid Waste from Commercial Population - 45.0 kg/day
STP Sludge - 66.0 kg/day
Total Solid Waste Generation - 587.1 kg/day
12. The Estimated Project cost is ` 40 Crores and Environment Management Cost is ` 220 Lakhs
13. The project proponent along with the consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal on 03.08.2022.
14. The SEAC in its meeting held on 03.08.2022 decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit of Sub-Committee of SEAC:
 - i) Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and also for revise plan also with corresponding studies made for both approved original plan and revised approved plan.
 - ii) Certificate from chartered civil engineer how much construction has been made for both approved original plan and revised approved plan.

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- iii) Comparative statement in terms of physical features in original plan and present plan.
- iv) Compliance Report to Previous EC conditions duly certified by Regional Officer of MoEF & CC.
- v) Permission from Water Resources deptt. For usage of ground water in commercial complex.
- vi) Approval from Fire Safety Dept. for 6m fire tender corridor for high rise building of 40m height.
- vii) As per BDA norms, is ground coverage for the project is 35% of total area?
- viii) Justification as to why this will not be treated as a violation case.
- ix) Impact and effect of change in ground coverage with reference to the original approved plan and the revised plan.

15. **The project proponent was requested vide letter no. 765(10)/ SEAC – (Misc) - 28, dated 06.09.2022 to submit the information / documents as sought by the SEAC at para 14 above.**

16. The proposed site was visited by the sub-committee of SEAC on **14.11.2022**. Following are the observations of the sub-committee and proponent needs to submit relevant documents as below:

- i) PP and Consultant were present. It was observed that part construction has been initiated towards the back side of the plot and the permission is for commercial and residents use. The PP explained that the construction was based on earlier EC, but now the commercial part has been reduced to cater only the residents and accordingly the plan was modified. No construction was initiated at the front side where modification was sought. However, an undertaking that the Commercial area identified shall be used only for the people who would be residing in the complex may be submitted or the same can be put as a condition of EC.
- ii) Copy of drainage plan approved by BMC with any layout/drawing vetted and NOC needs to be taken before construction including from NHAI if connecting to their drain be a condition of EC.
- iii) Justification as to why the case cannot be considered as a violation case with reference to BDA norm.
- iv) All documents or information as asked by Committee during presentation
- v) The Sub-committee recommend for EC subject to above conditions and submission of documents /compliances as asked by the committee during presentation.

17. The SEAC in its meeting held on dated 13-01-2023 decided to take decision on the proposal after receipt of information / documents as requested vide letter no. 765(10)/ SEAC – (Misc) - 28, dated 06.09.2022 and as sought by the Sub-Committee of SEAC at para 16 above.

18. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No	Information Sought by SEAC	Compliance furnished by the proponent
1.	Structural Stability certificate from appropriate authority as per BDA guidelines be submitted and also for revise plan also with corresponding studies made for both approved original plan and revised approved plan.	Structural Stability of the building is vetted by Adroit Consultants, Kolkata. Structural Stability Certificate is attached in Annexure-1 .
2.	Certificate from chartered civil engineer how much construction has been made for both approved original plan and revised approved plan.	We have reduced the commercial part of the building. The construction work is started only residential block which EC was granted earlier. So we have start the construction only residential block.
3.	Comparative statement in terms of physical features in original plan and present plan.	A comparative statement showing physical features in original plan and present plan is attached in Annexure-2 .

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4.	Compliance Report to Previous EC conditions duly certified by Regional Officer of MoEF & CC.	We have already applied the letter to IRO MoEF&CC for issue certified EC Compliance report of existing EC. We will submit the certified compliance report before issue of Environment Clearance.
5.	Permission from Water Resources deptt. For usage of ground water in commercial complex.	The ground water clearance has been Obtained from CGWA vide noc no. CGWA/NOC/INF/ORIG/2021/12997, dated 21.09.2021. CGWA NoC is attached in Annexure-3 .
6.	Approval from Fire Safety Dept. for 6m fire tender corridor for high rise building of 40m height.	Fire Safety recommendation has been obtained from Odisha Fire Services vide letter no. RECOMM1204130012021000174, dated 15.07.2021. Fire NoC is attached in Annexure-4 .
7.	As per BDA norms, is ground coverage for the project is 35% of total area?	As per BDA Norms, the ground coverage of the building is 40% for more than 40 m height of the building. BDA notification is attached in Annexure-5 .
8.	Justification as to why this will not be treated as a violation case.	The construction work is started only residential block which EC was granted earlier. We have reduced the commercial part of the building for which EC application is applied. So we have constructed only residential block which is not changed.
9.	Impact and effect of change in ground coverage with reference to the original approved plan and the revised plan.	<ul style="list-style-type: none"> As the ground coverage is increasing according to the Population, We are also increasing the services like the capacity of STP, DG, UGT etc. Also increasing the parking according to the population As per BDA norms.
1.	PP and Consultant were present. It was observed that part construction has been initiated towards the back side of the plot and the permission is for commercial and residents use. The PP explained that the construction was based on earlier EC, but now the commercial part has been reduced to cater only the residents and accordingly the plan was modified. No construction was initiated at the front side where modification was sought. However, an undertaking that	An undertaking is attached in Annexure-6 .

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	the Commercial area identified shall be used only for the people who would be residing in the complex may be submitted or the same can be put as a condition of EC.	
2.	Copy of drainage plan approved by BMC with any layout/drawing vetted and NOC needs to be taken before construction including from NHAI if connecting to their drain be a condition of EC.	The drainage plan has been approved by Bhubaneswar Development Authority vide letter no. 4584, dated 12.02.2020. Drainage letter is attached in Annexure-7 and drainage layout is attached in Annexure-8 .
3.	Justification as to why the case cannot be considered as a violation case with reference to BDA norm.	The construction work is started only residential block which EC was granted earlier. We have reduced the commercial part of the building for which EC application is applied. So we have constructed only residential block which is not changed.
4.	All documents or information as asked by Committee during presentation	Attached

19. The SEAC in its meeting held on dated **02-12-2023** decided to take decision on the proposal after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Environmental Clearance dated 16.07.2021 for total built up area is 33,621.35 sqm and total nos. of floor 17 nos. in Residential Block & 4 Nos. in Commercial Block, Now, 5 nos. of floor reduced in Residential Block (so, 12 floors) & increased 8 Nos. of Floor in Commercial Block to 12 floors. Revised the built up area i.e. 47,957.94 sqm. This appears to be a complete violation case as the PP has progressed construction without obtaining the AA clearance (if the cause stated is true)	As there is no change in the Ground Coverage from previous EC and current EC, the construction progress is considered as no deviation. The change in FAR and reduction of commercial units, increase in residential apartments as per modified plan to be implemented once final EC is granted. As such there has been no deviation and structures initiated are also certified by Structural Engineer with supporting documents. Airport Authority Clearance has been obtained. AA clearance is attached in Annexure-1 .	AA clearance is submitted.
2.	All the required statutory clearances obtained were on 2020/2021. Since the building is undergoing MAJOR CHANGES, they need to obtain fresh clearances.	All the fresh clearance has been obtained.	-----
3.	There are mismatches in the comparative table presented and in the ADS. PP needs to clarify which is correct.	A comparative statement showing physical features in original plan and present plan is attached in Annexure-2	Comparative statement submitted.

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4.	The residential floors are reduced but the residential population increased by 40%	As there is no change in the Ground Coverage from previous EC and current EC, the construction progress is considered as no deviation. The change in FAR and reduction of commercial units, increase in residential apartments as per modified plan to be implemented once final EC is granted.	-----
5.	The STP capacity is revised from 140 to 150 with 40% increase in residents (830 to 1176) is faulty and to be reworked and submitted.	Total Fresh water requirement of the project is 104 KLD. Flushing water requirement is 51.5 KLD. Total waste water generated from the project is 132.1 KLD. So, the Sewage Treatment Plant (STP) capacity is 150.0 KLD which is higher than the waste water generated.	-----
6.	The structural certificate has no date hence cannot be considered. They need to submit a fresh certificate from a government approved structural engineer or BDA mentioning the floor changes.	Structural Stability of the building is vetted by Adroit Consultants, Kolkata on 08.02.2023. Structural Stability Certificate is attached in Annexure-3 .	Structural Stability Certificate submitted.
7.	Permission from highway authority or appropriate authority before construction to discharge the excess treated water is not complied and violated . This needs to be submitted with present changes.	Drainage permission has been obtained from BMC. Permission letter is attached in Annexure-4 . Permission has been obtained from Highway Authority for construction of drain. NHAI letter is attached in Annexure-5 .	Drainage permission has been obtained from BMC. Permission letter is for only storm water and not for discharge the excess treated water.
8.	Extent of construction by Chartered Civil Engineer is not submitted. Let the PP submit the certificate with regard to the extent of construction from an authorized Architect or Structural Engineer of BDA.	Chartered Civil Engineer certificate is attached in Annexure-6 .	----
9.	As there is a drastic increase in commercial units, the PP needs to submit an Affidavit that it will not be used for outside public (if such statement issued is true).	An affidavit is attached in Annexure-7 .	Affidavit submitted.
1. Any deficiencies/omission have been noticed in the above documents- Not submitted certified EC compliance and BDA approval letter for existing built-up area and proposed/modified built-up area.			
2. Whether SEAC recommended the proposal –Yes, the proposal was placed in its meeting held on 19.10.2024 and considering the information furnished and the presentation made by the consultant. M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar along with the project proponent, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per Annexure – A in addition to the following specific conditions.			

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- i) The PP shall ensure to combat water logging and temporary flooding in the project premises.
 - ii) The Proponent before implementation of the project shall convert the land to Gharabari and shall take the ownership of the land if not already taken.
 - iii) The Proponent shall obtain permission/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iv) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - v) The proponent shall obtain permission from concerned Fire Safety Authority.
 - vi) The commercial block to be used only for the residents of that apartment as mentioned by PP.
 - vii) Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - viii) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
 - ix) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
 - x) The PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water & storm water.
 - xi) Before starting the construction project physical properties as well as engineering properties of the soil along with its bearing capacity should be undertaken and the report should be submitted.
 - xii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
3. The proposal was placed in 183rd SEIAA, Odisha meeting held on 23.12.2024. After detailed deliberation, the authority decided to seek information / clarification from PP on the following:
- i) Certified Compliance Report (CCR) from IRO on previous EC conditions.
 - ii) In-principle approval / conditional approval of BDA for total built up area of 47957.94 sqmtr.
 - iii) Accordingly, the ADS letter was issued vide letter no. 6245/SEIAA dated 20.01.2025.
4. The PP has submitted the in-principle approval / conditional approval of BDA for total built up area of 47957.94 sqmtr. Also submitted the Certified Compliance Report (CCR) from IRO it is mentioned that seven(07) conditions are non-complied and 15 conditions area partially complied the details are follows:

The following Partially compliance to the environmental clearance conditions were observed:

1. PP submitted that during the last six months, the company has taken steps to vaccinate workers, Covid testing to workers, donation to temple, donation to school, etc. Details of expenditure has not been furnished. (Condition no. 7)
2. PP submitted that copy of the Environment Clearance letter has been sent to concern Panchayat Office, Municipal Corporation & Local Body i.e. BMC. EC letter yet to be uploaded in company website. (Condition no. 15)
3. Half yearly Environmental Clearance Compliance Report due on June 24 submitted to the Regional Office, MoEF&CC. Six monthly compliance yet to be uploaded on company website. (Condition no. 16)
4. Service Plan showing STP, Internal Drain, Storm Water drain, sewer water line furnished along with the submitted six monthly compliance NOC accorded by BMC Executive Engineer Drainage Division, regarding No objection certificate for drainage plan has been furnished. Certificate for discharge of treated effluent to BMC has not been furnished. (Condition no. 21)
5. PP furnished a copy of approval accorded by CGWA. Approval from water resource department has not been furnished (Condition no. 38)
6. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division. Certificate of the competent authority for discharging treated effluent in to public sewer has not been furnished. (Condition no. 48)
7. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division, Permission from concerned authority to discharge liquid waste has not been furnished. (Condition no. 53)
8. Boundary wall in part has been observed. Wind braking wall of 3M height not observed instead a boundary wall observed in part not all along. Sand was found to be kept in open. PP submitted that transportation of raw materials with cover sheet, water sprinkling on unpaved surface implemented. (Condition no. 60)
9. A copy of Environmental management plan has been furnished. Approach road is paved. Sand was found to be kept in open without cover, wind braking wall of 1/3 rd height or 10M has not been observed. Road side storage of construction material not observed. (Condition no. 62)
10. During visit the project was in construction stage. DG set provided is with acoustic encloser, gaseous emission monitoring data of DG set has not been furnished. PP submitted that diesel Generator (DG) sets will be placed away from the nearest building. (Condition no. 63)
11. Ambient air quality monitoring report of one location has been furnished. Data reported was within the daily limit of NAAQS. Noise level monitoring data of one location has been furnished. Data reported was within norms. (Condition no. 65)
12. Boundary wall has been observed in part not all along. (Condition no. 73)
13. PP submitted that Environment Management Plan has been submitted to SEIAA Odisha at the time of Environment Clearance. A copy of EMP has been furnished to Regional Office. Details of Environmental Monitoring cell has not been furnished. Details of implementation of EMP yet to be furnished to Regional Office. (Condition no. 80)
14. PP submitted that Year wise progress will be submitted to SEIAA, Odisha and MoEF&CC, Regional Office. Details of year wise expenditure yet to be furnished to Regional Office. (Condition no. 81)
15. Six-Monthly compliance due on June 24 has been furnished to Regional Office. Six-monthly compliance yet to be uploaded on the website of the company. (Condition no. 82)

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As per the SEIAA EC file No: 149248/24-MIS/03-2022 dated 16.07.2021

The following non-compliance to the environmental clearance conditions was observed:

1. Details of CER activities under taken as per the condition has not been furnished. (Condition no. 8)
2. EC has been accorded for (B+S+17) Storied Residential Building and (LB+UB+G+3) Club Building. During visit it was observed that the project was on construction stage. During visit four under construction block/tower was observed. Lower basement constructed on all the four block although EC accorded for B+S+17 for residential building. Up to 12th Floor constructed in three block and construction activity was under progress at 8th floor in another block. The area constructed reported to be 36543.53. PP furnished a copy of approval from Bhubaneswar Development Authority for construction of 2B+G+12 multi-Storage residential apartment with auxiliary commercial building vide letter dated 17.09.2021. Consent to Establish has been obtained for construction of 2B+G+12 multistoried residential apartment with auxiliary commercial building vide letter dated 07.04.2022. SEIAA Odisha may like to take a view in the matter. (Condition no. 11)
3. Details of advertisement has not been furnished. (Condition no. 14)
4. PP submitted that the municipal solid waste will be collected by BMC approved vendors. The tie up process is under progress. Certificate from Municipal Authority yet to be provided. (Condition no. 45)
5. During visit the project was in construction stage. PP furnished a copy of NOC from executive engineer drainage division. Affidavit in this regard yet to be furnished. (Condition no. 47)
6. Traffic management plan has not been furnished. PP submitted that Traffic Management Plan is being prepared. (69)
7. PP submitted that Traffic Management Plan is being prepared. Copy of traffic management plan duly validated as per the condition has not been furnished. (Condition no. 79)

Decision of Authority: Deferred for ADS

The authority observed that in the CCR, the RO, Bhubaneswar in Point No.2(non-compliance to EC Condition) have pointed out that the area constructed is 36543.53Sqmt. as against the permitted builtup area of 33,621.35 Sqmt in EC letter. This is a deviation from EC granted by SEIAA. Show Cause Notice may be issued to PP to clarify why this case shall not be treated as a violation case as EC dated 16.07.2021 was granted to the residential building for a builtup area of 33,621.35Sqmt only.

Signed by



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA

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PARIVESH 1.0, AGENDA No. 189.50	
Proposal No.	SIA/OR/IND1/437145/2023
Date of application	18.07.2023
File no.	437145/41-IND1/07-2023
Project Type	Proposal for ToR
Category	B
Project/Activity including Schedule No.	3(a). Metallurgical Industries (ferrous & nonferrous)
Name of the Project	ToR Proposal for Regularization of the existing project of Rolling Mill having capacity of Pencil /M.S. Ingots (Induction Furnace -one no each of 2, 4 & 6 MT/heat)-1700 MT/Month; M.S. Rod, Flats, Angle & Channel-2000 MT/Month & Producer gas -4200 NCum/hr at Bilaigarh, PO-Laing, Tehsil-Rajgangapur, Dist-Sundergarh, Odisha.
Name of the company/Organization	Mr Umesh Sharma M/s. Shree Ram Sponge and Steels Private Limited
Location of Project	Bilaigarh, PO-Laing, Tehsil-Rajgangapur, Dist-Sundergarh, Odisha
ToR date	Yet to issued
Name of Consultant	M/s. Parivesh Environmental Engineering Services, Lucknow

Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

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 EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference for Environmental Clearance of M/s. Shree Ram Sponge and Steels Private Limited for the Regularization of the existing project of Rolling Mill having capacity of Pencil / M.S. Ingots (Induction Furnace -one no. each of 2, 4 & 6 MT/heat) - 1700 MT/Month. Rod, Flats, Angle & Channel-2000 MT/Month & Producer gas - 4200 NCum / hr over an area 10.25 acres at Bilaigarh, Po-Laing, Tehsil - Rajgangpur, Dist – Sundergarh.
3. **Category:** This is a Category – B project which falls under schedule 3(a), Metallurgical Industries (ferrous & nonferrous) as per the EIA Notification 2006 and amendments thereafter. Proposed project is Regularization of Re-Rolling Mill, in compliance to the MoEF&CC Notification dated 20th July 2022, all Cold Rolled Stainless Steel Manufacturing Industries require prior Environment Clearance as per EIA notification 2006.
4. CTE for Expansion proposal for 3rd IF of 6 T capacity for manufacture of M.S Ingot 800 MT/Month & MS Rods, Flats, Angle & Channel 2000 MT/Month issued by OSPCB on 20-06-2006. Existing Industry operated on the basis of CTO obtained from SPCB Odisha vide letter no. 724/CT-0043 dated 26.03.2021 which is valid up to 31-03-2026.

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5. **Location and Connectivity:** M/s Shree Ram Sponge & Steel Pvt Ltd is located at Bilaigarh, PO-Laing, Tehsil- Rajgangapur, Dist - Sundergarh, Odisha. The coordinates of the plant area are Latitudes 22°14'3.44"N to 22°14'11.78"N & Longitudes 84°39'22.11"E to 84°39'26.26"E. The nearest railway station is the Kansbahal Railway Station (2.7KM, S) from the site. The nearest airport is at Rourkela Airport (15.6Km. E) from the site. The site is approx. 8.3 Km away from nearest town Rajgangpur Town. Barjore Nala is at 0.02 km East from the project site. Sankh River is at 1.0 Km ENE from the project site. The nearest State Highway i.e., SH 10 which runs at adjacent to the project site toward south direction.

6. **Topography:** The topography of the plant area is flat in and the slope is downward towards the east direction. The average elevation of site is 195 m AMSL. Range between 194 m AMSL to 196 m AMSL. The perennial river Sankh flows about 1.0 km in the ENE direction of the project site area and forms the main drainage system of the vicinity.

7. **Seismicity:** The project is under very feeble to Zone - III (moderate damage risk zone) [as per IS 1893 (Part- I): 2002]

8. **Project details:**

S. No.	Product	Existing capacity/Quantity	production	Total Regularization	after
1	Pencil/M.S. Ingots (Induction Furnace: One no each of 2.4 & 6 MT/Heat)	1700 MT/Month		1700 MT/Month	
2	M.S Rod, Flats, Angle & Channel	2000 MT/Month		2000 MT/Month	
3	Producer Gas	4200 Ncum/hr		4200 N cum/hr	
	Area	10.25 Acres			

Proposed: It is proposed to the addition of Coal Pulverizer of 1 & 2 within the existing project site

Sr No	Particulars	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)
1	Pulverizer No.1	Closed system	Bag Filter
2	Pulverizer No.2	Closed system	Bag Filter

9. **The land utilization plan:** In total 10.25 Acres of land will be adequate to accommodate the entire planned facilities. The land utilization plan is given below:

S. No.	Land Use	Area (Acres)	Proposed Area	Total area (Acres)	Percentage
1.	Plant Area	5.0	None	5.0	48.78
2.	Internal Road, corridor other, parking, raw material storage, product storage office building etc)	0.86	None	0.86	8.39
3.	Greenbelt	3.39	-	3.39	33.07
4.	Open space	1.0	None	1.0	9.76
	Total	10.25	-	10.25	100

10. **Production and Waste Generation details:**

Sr. No.	INPUT	OUTPUT	
Material Balance for Induction Furnaces (Ingots)			
		TPA	TPA
1.	Sponge Iron	17952	M.S Ingot 20,400

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2.	Scrap	2244	Slag	1020
3.	Cast iron/Ferro Alloy	2244	Gases & Fumes	1020
Total		22440	Total	22440

Description	Input	Output
Material balance for Rolled Product		
Ingots/Billets	24686	-
M.S Rod, Flats, Angle & Channel	-	24000
Mill scale	-	343
End Cutting	-	343
Total	24686	24686

11. **Manufacturing process:** Scrap & Sponge Iron form the major raw materials for Pencil/M.S. Ingots making in the induction furnace route. Rolling Mill is being used for Production of Rolled products (M.S Rod, Flats, Angle & Channel). Rolling is a process used to shape metal into a thin long layer by passing it through a gap of two rollers rotating in different directions. At first Pencil/M.S. Ingots from yard send it to reheating furnace where Producer Gas from Coal gasifier is used for heating and then processed to roughing mill than it passes to intermediate mill and finishing mill respectively. From there it will send it to QTB system for pinch roll & dividing shear and then to cutting with cold shear and bundle it for final dispatch. Now it is proposed to addition of coal pulveriser 1 & 2.

12. Waste Generation and Management:

Particulars	Type of waste	Existing (TPA)	Total (TPA)	Treatment/ disposal
-	STP Sludge	0.5 Kg/Day	0.5 Kg/Day	Will be used as manure for gardening
Municipal Solid Waste	Biodegradable	10	10	It is being Send to Municipal corporation, Sundergarh
Industrial waste	Mill scale	343	343	Reused in SMS
Industrial waste	End Cutting	343	343	Reused in SMS
Industrial waste	Slag	1020	1020	Slag will be crushed and metal part will be recovered by magnetic separator and rest part will be used for road construction.

S.No	Type of Solid waste	Quantity (TPA)	Disposal Proposed
1.	Bottom Ash	1400	Will be used in land filling.
2.	Tar residue	0.2	Sold to Authorized Coal tar processing units
	Hazardous Waste		
1.	Used oil	1.5	Storage in containers over impervious floor under well-ventilated covered shed followed by disposal through actual users having valid authorization from SPCB, Odisha.

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13. **Water requirement:** Total one-time water requirement is 111 KLD. Total daily fresh water requirement will be 45 KLD. Recycled water 66 KLD. The source of water is Ground water. CGWA NOC has been renewed from CGWA vide letter no.- CGWA/NOC/IND/ORIG/2021/12270 dated 15.10.2020 valid up to 14.10.2023 to tune of 93 KLD. The source of water will be Ground water.
14. **Wastewater management:** The sewage & sanitary wastewater from toilets, washrooms and canteen shall be treated in STP and treated water will be used for greenbelt development. Blow-down water from cooling systems will be utilized for the plant through closed circuit cooling system. Wastewater from the CCM and rolling mills are likely to contain scale and oil & grease. This water will be collected in settling tank fitted with an oil & grease skimmer. The clarified water will be re-used in the plant. Oil & Grease shall be collected in drums and sold to secondary market for recycling.
15. **Power Requirement:** Total power requirement for proposed project is 5000 kVA and it is being sourced from State Electricity Board.
16. **Green belt:** Green belt is being developed at least in 33.07% of total plant area in and around the plant premises for environmental protection as per CPCB/OPCB guidelines. In the existing project 3.39 Acres of land i.e., 33.07% of total land plant area of 10.25 Acres has been provided a natural barrier for attenuation of noise and air pollution.
17. **Baseline study details:** Baseline data to be collected during post monsoon from October to December 2023.
18. **Manpower:** The existing employment is around 175 persons and contractual labours -140 Nos.
19. **Project Cost:** The expected cost of the project is Rs.5.45 crores. EMP cost includes a capital cost of 80.0 Lakhs and a recurring cost of 30 Lakhs/Annum.

S. No.	Particulars	Amount in INR, Lakhs	
		Capital Cost	Recurring Cost
1	Air Pollution Control System	30	7
2	Noise Control System	5.72	2
3	Green Belt Development	11.28	2
4	Environment Monitoring and Management	8	6
5	Water Pollution Control System	20	8
6	Occupational Health & Safety	5	5
Total		80	30

20. **Environment Consultant:** The Environment consultant **M/s Parivesh Environmental Engineering Services, Lucknow** along with the proponent made a presentation on the proposal before the Committee.
21. The SEAC in its meeting dated **28-08-2023** recommended the following:

A. The proponent may be asked to submit the following for further processing of TOR application:

- Air Pollution Control Measures adopted at present.
- Copy of permission from water resource department for using ground water.
- Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.
- Details of supporting documents/NOC from concerned authority for landfill of hazardous waste products and specify the area with layout.
- Details of fly/bottom ash generation and its management with material balance from Producer Gas Plant.
- All copies of Consent to Establish, Consent to Operate and Authorization granted by the Board to different units such as Induction Furnace, Producer Gas Plant, Rolling Mill and other units if any.

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B. The proposed site shall be visited by Sub-Committee of SEAC to verify the followings

- a) Environmental settings of the project site.
- b) Extent of construction activity and operational status of all the units.
- c) Road connectivity to the project site.
- d) Drainage network at the site.
- e) Greenbelt development in the existing plant.
- f) Solid waste management practice of the existing plant.
- g) Vacant land available.
- h) Any other issues including local issues.

22. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent				Views of SEAC
10.	Air Pollution Control Measures adopted at present.	Particulate	Control equipment	Max Emission at the outlet	Monitoring	
		Reheating Furnace	Wet Scrubber with Chimney of 30 m	PM<150 mg/Nm ³	Periodical Stack monitoring is being done.	
		Induction Furnace	Adequate Stack height, bag house, Fume Extraction system with bag filters, 30 m stack height	PM<150 mg/Nm ³		
		Coal Gasifier	Tar control system with Electrostatic Tar Separator			
		Roads	Roads are Paved inside the plant premises	-		
		Vehicles	completely Covered	-		

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			Trucks & PUC Certified Vehicles is being/will be used																		
11.	Copy of permission from water resource department for using ground water.	Copy of permission obtained from CGWA is enclosed as Annexure 1			NOC from CGWA for 93KLD has been taken valid till 14-10-2023. Permission from Water Resource department, Odisha for using ground water has not been submitted.																
12.	Details of spent refractions in terms of generation and permission for its disposal/selling to authorized vendors as they are hazardous.	150 TPA Spent refractories is being generated Management: Spent refractories have been used largely in open-loop recycling applications such as roadbed aggregates.			-																
		<table border="1"> <thead> <tr> <th>Furnace Operation / Area of Application</th> <th>Refractory Specifications (Std. Specfn)</th> </tr> </thead> <tbody> <tr> <td>Melting Mild Steel, Stainless Steel, Manganese Steel & Alloy Steels</td> <td>Type= Mag-Chrome R/M, MgO%= 70- 85, Cr2O3%= 8-10, Sintering Temp (ST)= 800OC, Application Temp (AT)= 1750OC, Grading= 0- 5 mm</td> </tr> </tbody> </table>		Furnace Operation / Area of Application	Refractory Specifications (Std. Specfn)	Melting Mild Steel, Stainless Steel, Manganese Steel & Alloy Steels	Type= Mag-Chrome R/M, MgO%= 70- 85, Cr2O3%= 8-10, Sintering Temp (ST)= 800OC, Application Temp (AT)= 1750OC, Grading= 0- 5 mm														
Furnace Operation / Area of Application	Refractory Specifications (Std. Specfn)																				
Melting Mild Steel, Stainless Steel, Manganese Steel & Alloy Steels	Type= Mag-Chrome R/M, MgO%= 70- 85, Cr2O3%= 8-10, Sintering Temp (ST)= 800OC, Application Temp (AT)= 1750OC, Grading= 0- 5 mm																				
13.	Details of supporting documents/NOC from concerned authority for landfill of hazardous waste products and specify the area with layout.	Used oil of 0.5 KL/Annum is generated. Management: Storage in containers over impervious floor under well-ventilated covered shed followed by disposal through actual users having valid authorization from SPCB, Odisha. The storage area for used oil is specified in layout plan and enclosed as Annexure-2 .			-																
14.	Details of fly/bottom ash generation and its management with material balance from Producer Gas Plant.	<table border="1"> <thead> <tr> <th colspan="3">Inputs</th> <th colspan="2">Outputs</th> </tr> <tr> <th>S.No.</th> <th>Item</th> <th>Quantit y (TPA)</th> <th>Item</th> <th>Quantit y (TPA)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Coal</td> <td>4800</td> <td>Producer Gas</td> <td>4200 N cum/hr</td> </tr> </tbody> </table>		Inputs			Outputs		S.No.	Item	Quantit y (TPA)	Item	Quantit y (TPA)	1.	Coal	4800	Producer Gas	4200 N cum/hr			
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				Tar (KL/Annum)	3	
				Bottom Ash	1400	
Bottom Ash is being used for land filling						
15.	All copies of Consent to Establish, Consent to Operate and Authorization granted by the Board to different units such as Induction Furnace, Producer Gas Plant, Rolling Mill and other units if any.	Copies of all CTO and CTE is enclosed as Annexure-3				CTE obtained on 20-06-2006 and latest CTO is valid till 31-03-2026.

23. The SEAC in its meeting held on dated **29-12-2023** decided to take decision on the proposal after site visit of Sub-Committee of SEAC.

24. The proposed site was visited by the sub-committee of SEAC on **20.05.2024**. Following are the observations of the sub-committee:

- The plant is located close to the Biju Expressway and was under operation at the time of the site visit.
- It was noticed that the plant has a well-developed drainage network. The water is channelized to a storage tank and reused after treatment.
- The project proponent has developed and maintained a green belt close to the express way. Moreover, greenery has also been maintained in the vacant spaces within the plant premises.
- The coal is used in a gasification unit and the tar is recovered sold to outside agencies. A very small amount of slag and fly ash is generated, which is used for landfilling.
- Here is no sewage treatment plant. The process water is being treated and reused.
- The PP was advised to put adequate number of recharge pits and channel the runoff after treatment to these pits for ground water recharge.

25. The recent EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 stipulates the requirement of Environmental Clearance for secondary metallurgical industry for non-toxic metals under project or activity 3 (a) as follows:

i) Processes involving melting of nontoxic metals			The Standalone rolling or re-rolling or extrusion or piercing or forging or drawing units not involving any type of melting or pickling are exempted.
Fuel in the furnace	Category B2	Category B1	
1. Solid or liquid fuel	≥ 0.03 MTPA to < 0.06 MTPA	≥ 0.06 MTPA	
2. Gas fuel or electricity	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA	
ii) Processes involving only heating of nontoxic metals with pickling			
Fuel in the furnace	Category B2	Category B1	
1. Solid or liquid fuel	≥ 0.06 MTPA to < 0.12 MTPA	≥ 0.12 MTPA	
2. Gas fuel or electricity	≥ 0.12 MTPA to < 0.18 MTPA	≥ 0.18 MTPA	

26. The Committee observed that the present proposal is for Producer Gas based Rolling Mill without any pickling facility with annual production capacity of rolled product 24000 TPA and production of MS ingot

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(induction furnaces) - 20400 TPA. The MoEF&CC, Govt. of India EIA notification vide S.O. 2215(E), dated 07.06.2024 stipulates "processes involving melting of non-toxic metals in gas or electricity-based furnace will require EC for production capacity ≥ 0.06 MTPA i.e. ≥ 60000 MTPA". Since, the total production capacity of the unit is < 60000 TPA, the unit does not require EC as per the above notification.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 02.07.2024 and after detailed discussion, the SEAC opined that Environmental Clearance is not required for the unit as per recent notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024 and recommended that SEIAA, Odisha may consider to intimate the same to the proponent.
3. The proposal was placed in 173rd SEIAA, Odisha meeting held on 06.08.2024 & 08.08.2024. After detailed deliberation in the matter, the Authority decided that the PP is required to submit the details justification along with processing method under which category they want the project to be considered as per item no. 3(a) in column no. 4 of EIA notification of MoEF&CC, Govt. of India vide S.O. 2215(E), dated 07.06.2024. Accordingly, ADS raised to PP by SEIAA letter dated 27.08.2024 for clarification.
4. The PP has submitted clarification with attaching Executive Summary of the project.

Decision of Authority: Rejected

After detailed deliberations, the authority accepted the recommendation of SEAC and opined that Environmental Clearance is not required for the unit as per Notification S.O. 2215(E), dated 07.06.2024 issued by MoEF&CC, Govt. of India. However, if the PP is likely to increase the production capacity ≥ 0.06 MTPA in future, the unit will require EC under the provision of Notification S.O. 2215(E), dated 07.06.2024 of MoEF & CC, GoI.



Member Secretary, SEIAA

Signed by



Member, SEIAA



Chairman, SEIAA