

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



AGENDA NO.150.01

Proposal No.	SIA/OR/MIN/307379/2023
Date of application	15.12.2023
Project Type	Transfer of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Raikela Iron Ore Mines Over an area of 45.932 ha Village Raikela Tahasil Koirain the district of Sundargarh of National Enterprise to Grewal Minerals and Metals LLP.
Name of the company/Organization	Grewal Minerals & Metals LLP
Location of Project	Village Raikela Tahasil Koirain the district of Sundargarh

Proposal in brief:

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.

- (i) This is a proposal Transfer of EC of Raikela Iron Ore Mines Over an area of 45.932 ha Village Raikela Tahasil Koirain the district of Sundargarh of National Enterprise to Grewal Minerals and Metals LLP.
- (ii) Documents submitted: Application in Form-7, earlier EC copy etc.
- (iii) The EC of Raikela Iron Ore Mines Over an area of 45.932 ha Village Raikela Tahasil Koirain the district of Sundargarh of National Enterprise to Grewal Minerals and Metals LLP was in favour of Sri Charanjeet Singh Grewal Mines Owner of M/s. National Enterprises vide SEIAA letter no./Identification No. 1957/SEIAA dt. 08.09.2016
- (iv) The project proponent applied proposal for transfer of EC from the name Sri Charanjeet Singh Grewal Mines Owner of M/s. National Enterprises) to M/s. Grewal Minerals & Metals LLP. due to advance age and the earlier mines owner want to reduce his work load.
- (v) The CTO is issued by SPCB, Odisha vide letter no.8819 dt. 31.05.2023 in favour of Sri C.S. Grewal, Proprietor of M/s. Grewal Minerals & Metals LLP.
- (vi) Any deficiencies/omission have been noticed in the above documents- Nil

1. Whether SEAC recommended the proposal – N/A

2. The proposal was placed in the 148th meeting of SEIAA held on 21.12.2023 and after detailed deliberation the Authority decided that the PP is required to submit approval letter of Competent Authority of Steel & Mines Deptt., Govt. of Odisha along with certified compliance report from MoEF & CC, Regional Office, BBSR in respect of earlier EC conditions issued vide letter no. 1957/SEIAA dt. 08.09.2016.

Now the PP has submitted the necessary ADS raised by SEIAA for consideration of Transfer of EC.

Decision of Authority: Approved

The Authority perused the transfer of mining lease (i.e. Raikela Iron Ore Mines over an area 45.932 Ha) approval by Steel & Mines Deptt., Govt. of Odisha vide their letter no. 10389 dt.13.10.2023 in favour of the PP, Grewal Mineral & Metal LLP and the certified compliance report dt. 21.06.2022 of IRO, MoEF & CC, BBSR.

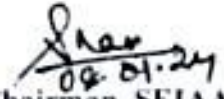
Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

After detailed deliberation the Authority decided to allow transfer of EC in favour of M/s. Grewal Mineral Metal LLP subject to condition that the PP shall submit the closer report with respect to non-compliance points mentioned in certified compliance report dt. 21.06.2022 of IRO, MoEF& CC, BBSR within a period of 3 months.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

AGENDA NO.150.02

Proposal No.	SIA/OR/MIN/307373/2023
Date of application	15.12.2023
Project Type	Transfer of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Enhancement in Production of Iron Ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste). Setting up two mobile Crushing of 150 TPH capacity each and two mobile Screening units of 250 TPH capacity each in Adaghat Iron Ore Mines over an area of 15.074 ha. of M/s National Enterprises in Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in Dist- Sundargarh
Name of the company/Organization	M/s. Grewal Minerals & Metals LLP
Location of Project	Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in Distri

Proposal in brief:

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.

- (i) This is a proposal Transfer of EC of Enhancement in Production of Iron Ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste), Setting up two mobile Crushing of 150 TPH capacity each and two mobile Screening units of 250 TPH capacity each in Adaghat Iron Ore Mines over an area of 15.074 ha. of M/s National Enterprises in Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in Dist-Sundargarh.
- (ii) Documents submitted: Application in Form-7, earlier EC copy etc.
- (iii) The EC of Enhancement in Production of Iron Ore from 3,00,300 (0.3 million) TPA to 7,00,005 (0.7 million) TPA ROM with total excavation of 1.024 million TPA (ROM of 0.7 million TPA + 0.324 million TPA waste), Setting up two mobile Crushing of 150 TPH capacity each and two mobile Screening units of 250 TPH capacity each in Adaghat Iron Ore Mines over an area of 15.074 ha. of M/s National Enterprises in Village- Adaghat under Block & Tehsil: Koida, Subdivision- Bonai in Dist-Sundargarh was in favour of M/s. National Enterprises vide SEIAA letter no./Identification No. EC23B001OR129718 dt. 14.08.2023
- (iv) The project proponent applied proposal for transfer of EC from the name M/s. National Enterprises) to M/s. Grewal Minerals & Metals LLP, due to advance age and the earlier mines owner want to reduce his work load.
- (v) Any deficiencies/omission have been noticed in the above documents- Nil

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



Whether SEAC recommended the proposal – N/A
2. The proposal was placed in the 148th meeting of SEIAA held on 21.12.2023 and after detailed deliberation the Authority decided that the PP is required to submit approval letter of Competent Authority of Steel & Mines Deptt., Govt. of Odisha.
Now the PP has submitted the necessary ADS raised by SEIAA for consideration of Transfer of EC.

Decision of Authority: Approved

The Authority perused the transfer of mining lease (i.e. Adaghat Iron Ore Mines over an area 15.074 Ha) approval by Steel & Mines Deptt., Govt. of Odisha vide their letter no. 10389 dt.13.10.2023 in favour of the PP, M/s.Grewal Mineral & Metal LLP and the certified compliance report dt. 19.07.2023 of IRO, MoEF & CC, BBSR.

After detailed deliberation the Authority decided to allow transfer of EC in favour of M/s. Grewal Mineral & Metal LLP subject to condition that the PP shall submit the closer report/ action taken report with respect to non-compliance points mentioned in certified compliance report dt. 19.07.2023 of IRO, MoEF& CC, BBSR within a period of 3 months.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


08-01-24
Chairman, SEIAA



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

AGENDA NO.148.03

Proposal No.	SIA/OR/MIN/307376/2023
Date of application	15.12.2023
Project Type	Transfer of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Transfer of EC of Sanindpur Iron and Manganese Ore Mines at Village Sanindpur Tahasil Bonai Dstrict Sundargarh State Odisha from National Enterprise to Grewal Minerals and Metals LLP
Name of the company/Organization	M/s. Grewal Minerals & Metals LLP
Location of Project	National Enterprise to Grewal Minerals and Metals LLP

Proposal in brief:

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.

- (i) This is a proposal Transfer of EC of Sanindpur Iron and Manganese Ore Mines at Village Sanindpur Tahasil Bonai Dstrict Sundargarh State Odisha from National Enterprise to Grewal Minerals and Metals LLP.
- (ii) Documents submitted: Application in Form-7, earlier EC copy etc.
- (iii) The EC of Sanindpur Iron and Manganese Ore Mines at Village Sanindpur Tahasil Bonai Dstrict Sundargarh State Odisha from National Enterprise to Grewal Minerals and Metals LLP was in favour of M/s. National Enterprises vide SEIAA letter no./Identification No. J-11015/375/2008-IA.II(M) dt. 28.06.2013
- (iv) The project proponent applied proposal for transfer of EC from the name M/s. National Enterprises) to M/s. Grewal Minerals & Metals LLP. due to advance age and the earlier mines owner want to reduce his work load.
- (v) The CTO is issued vide letter no.5266 dt. 31.03.2023 in favour of Sri C.S. Grewal, Proprietor of M/s. Grewal Minerals & Metals LLP.
- (vi) Any deficiencies/omission have been noticed in the above documents- Nil

1. Whether SEAC recommended the proposal – N/A

2. The proposal was placed in the 148th meeting of SEIAA held on 21.12.2023 and after detailed deliberation the Authority decided that the PP is required to submit approval letter of Competent Authority of Steel & Mines Deptt., Govt. of Odisha along with certified compliance report from MoEF & CC, Regional Office, BBSR in respect of earlier EC conditions issued vide letter no. J-11015/375/2008-IA.II(M) dt. 28.06.2013.

Now the PP has submitted the necessary ADS raised by SEIAA for consideration of Transfer of EC.

Decision of Authority: Approved

The Authority perused the transfer of mining lease (i.e. Sanindpur Iron Ore Mines) approval by Steel & Mines Deptt., Govt. of Odisha vide their letter no. 10389 dt.13.10.2023 in favour of the PP, M/s.Grewal Mineral & Metal LLP and the certified compliance report dt. 28.08.2023 of IRO, MoEF & CC, BBSR. After detailed deliberation the Authority decided to allow transfer of EC in favour of M/s. Grewal Mineral



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

& Metal LLP subject to condition that the PP shall submit the closer report/ action taken report with respect to non-compliance points mentioned in certified compliance report dt. 28.08.2023 of IRO, MEF& CC, BBSR within a period of 3 months.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


08.01.24
Chairman, SEIAA

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



AGENDA NO.150.04

Proposal No.	SIA/OR/MIN/418074/2023
Date of application	12.04.2023
File No.	418074/807-MINB1/03-2023
Project Type	Proposal for EC
Category	B1
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Purutiguda Sand Quarry over an area of 13.688 Acres or 5.539 Ha having Khata No.512, Plot No. 1285 in Village-Purutiguda under Kashinagar-Tahasil of Gajapati District, Odisha.
Name of the company/Organization	Sri Bansidhar Swain
Location of Project	village Purutiguda under Kashinagar Tahasil of Gajapati District, Odisha.
ToR Date	02.03.2022
Name of the Consultant	M/s Green Circle, Inc., Gujarat

Proposal in brief:

1. 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) This proposal is for Environmental Clearance of Purutiguda Sand Quarry over an area of 13.688 Acres or 5.539 Ha. having Khata No.512, Plot No. 1285 in village Purutiguda under Kashinagar Tahasil of Gajapati District of Sri Bansidhar Swain.
 - ii) **Category:** The proposed mining project falls under Category 'B1' with project activity type "I(a)- Mining of Minerals) as per Notification of MoEF & CC vide S.O. No. 3977(E), Appendix-XI dated the 14th August,2018 and EIA notification 2006 and amendment thereof of Ministry of Environment and Forests, New Delhi.
 - iii) Quarry lease has been awarded to Sri Bansidhar Swain S/o-Jayadev Swain, by Tehsildar of Kashinagar for 5 years via letter no. 5440/ Sairat dated 09/11/2021.
 - iii) Mining Plan with Progressive Mine Closure Plan has been approved by Deputy Director Geology O/o Joint Director Geology, South Zone, Berhampur, Odisha vide letter no. Memo no.- 1051/SZ dated 31/10/2021.
 - iv) **TOR details:** Terms of Reference (TORs) was granted by SEIAA vide letter no 4125/SEIAA Dated 02/03/2022.
 - v) **Public hearing details:** Public hearing was held on 09.11.2022 at 11.00 AM in Grampanchayat Office, Khandava under Kashinagar tahasil in Gajapati district in reference to the proposed Purutiguda Sand Mine. Issues raised during public hearing hearing are sand mining from the river bed, safety and security in the lease area to avoid accidents, transportation of sand, control of noise during sand mining and sand transportation, dust suppression measure, protection of environment, road development, plantation, utilization of DMF fund for peripheral development of village.
 - vi) **Location and connectivity:** Purutiguda Sand Quarry is a new proposed project located at Village: Purutiguda, Khata No. 522, Plot No. 1285, Tehsil: Kashinagar, District: Gajapati, Odisha. Total mining area is 5.539 ha bearing Khata No. 522, Plot No.1285 in SOI Toposheet No: 65N/13 bounded by Latitude N18°57'15.58"to 18°57'27.18"N and Longitude E83°49'26.59" to 83°49'33.20"E. The area is approachable by fair weather road. The applied area is about 150 km away from Visakhapatnam International Airport, Andhra Pradesh Airport. The nearest railway



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

station is at Bansdhara Hault Railway Station 1.5 Km from the site. Nearest Bridge Banshadhara Bridge is 15 km, SE and nearest River Embankment is about 3 km, S and nearest railway bridge is 0.7Km from the project site. Nearest Reserve is Forest Vallarha Reserve Forest which is 2Km, W from the project site.

- vii) **Replenishment Study:** UAV/Drone method was used to survey the area for Replenishment Survey. The calculated Mineable reserve of Post-Monsoon survey and the Mineable reserve in Pre-Monsoon are taken for comparing the amount of sand replenished. The sand deposited in the lease area in this monsoon season is exceeded by 43% i.e. 21652CuM of the amount of sand in the Pre-Monsoon Replenishment Study report. So, the final mineable reserve of the lease area is said to be 50832 CuM.
- viii) **Total production and reserves:** It is proposed sand quarry mine having lease area of 5.539 ha with proposed production capacity of 50,000 m³ /year of sand (2,50,000 cum for 5 years). The geological reserve and mineable reserve of Purutiguda Sand quarry 66692 Cum and 57442 Cum respectively.
- ix) **Mining method:** Proposed method of mining would be opencast manual mine. Sand shall be exploited manually and loaded in Truck & Tractors. Ground water table would not be intersected by the proposed mining. Mining shall be carried out without adoption of drilling & blasting extracted sand shall be loaded into tractor trolleys manually & dispatched to various parties. Mined out material will be loaded into the dumpers manually and will be sent for commercial use as per the demand of the market. It will be transported by Covered trucks / dumpers to its final destination. No overburden or top soil will be generated as the area lies in river bed. The present level of the lease area is 65 mRL. During plan period, the quarry floor will be 63 mRL. or up to water table whichever is less in Purutiguda Sand quarry.
- x) **Greenbelt/ Plantation:** Greenbelt will be developed along haul road. Plantation will be done along haul road and in villages nearby. Native Species like Teak, Mango, Jammu, Jhaun, Neem etc. will be preferred for the plantation. 50 plants per year will be planted as per the plantation program.

Year	Number of saplings purposed	Location	Type of saplings
1st Year	50	Plantation is carried out safety zone of the lease area (river bank areas)	Teak, Mango, Jammu, Jhaun, Neem etc.
2nd Year	50		
3rd Year	50		
4th Year	50		
5th Year	50		
Total	250		

- xi) **Man power Requirement:** Total man power of 65 people will be required for the proposed project. Mine workers will be engaged from the nearby villages.

Designation	Number of persons (Purutiguda Sand Quarry)
Supervisory Personnel/ Statutory Personnel	5
Skilled laborers (Operator and Helper)	20
Semi-skilled Laborer	20
Unskilled Laborer	20



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

Total	65
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Project cost: The total budget for Environment Monitoring Program for the proposed project is Rs. 30,000 per year. Corporate Environmental Responsibility (CER) budget includes a cost of 4 lakhs. Apart from the other expenses, Salary for labour and office staff will be kept around 2Lakh per annum and for documentation purposes around 2Lakhs per annum. Total project cost is Rs.25 lakhs. Capital Cost for EMP is Rs. 1,45,000. Recurring cost of EMP is Rs. 75,000 per annum.

S.no	Particulars	Capital Cost	Annual Recurring cost
1	Pollution Control	55,000	20,000
2	Pollution Monitoring	25,000	10,000
3	Afforestation along Approach Road and maintenance of Approach Road	35,000	25,000
4	Occupational health and safety	30,000	20,000
Total		1,45,000	75,000

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

2. **Whether SEAC recommended the proposal** –The proposal was placed in SEAC meeting held on 31.07.2023 and the The Committee observed and recommended the following:

- Two different methods are used for Pre and Post Monsoon study which are not comparable. Besides this following other discrepancies are noticed and hence, replenishment study report is rejected.
- Date of second survey i.e. post monsoon survey as per previous report was 5.03.23 (Mentioned in table 7) but in the clarifications submitted it is 30.12.22.
- As per 1st report Geological reserve is 31802cum and Movable reserve is 29180cum. However, in the clarification report submitted now Geological reserve has changed to 70710cum and Movable reserve has changed to 48466 cum (which is even higher than Geological reserve as per previous report).
- In Clarifications submitted now in table 4 and table 5 for calculation of Geological Reserve and Movable Reserve 13 sections are shown However the depth of sand in these sections is shown varying from 25 meter to 43 meter which looks unrealistic.
- In table 7 of clarification report submitted now 16 grid points are shown (though no corresponding graphical or pictorial representation is shown. As per this table RL is shown from 61.3 to 63.7 meter but in first report in second survey plain height is 58.5 meter.
- In the first report as per second survey Geological reserve is 54738.312 cum and movable reserve is 50831.934 cum. However, in the clarification report submitted now as per second survey the Geological reserve is 97338 cum and movable reserve is 71117 cum
- Proposed extractable sand as per first report was 21652 cum but as per clarification report submitted now it is 42668cum.
- 16 grid points shown in table 7 and related pre and post monsoon RLs worked out and its average is not at all used for any of the calculations. Its relevance is not clear.

In view of unsatisfactory revised replenishment study report, this proposal is not accepted and it is recommended to **return the proposal to SEIAA** to take further action.

The proposal was placed in the 135th meeting of SEIAA held on 11.12.2023 & 12.12.2023 and the Authority observed that the SEAC has not accepted the revised replenishment study report submitted by PP and the SEAC have returned the proposal of EC to SEIAA citing the following deficiency in the proposal:

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

- a) Two different methods are used for Pre and Post Monsoon study which are not comparable. Besides this following other discrepancies are noticed and hence, replenishment study report is rejected.
- b) Date of second survey i.e. post monsoon survey as per previous report was 5.03.23 (Mentioned in table 7) but in the clarifications submitted it is 30.12.22.
- c) As per 1st report Geological reserve is 31802cum and Movable reserve is 29180cum. However, in the clarification report submitted now Geological reserve has changed to 70710cum and Movable reserve has changed to 48466 cum (which is even higher than Geological reserve as per previous report.
- d) In Clarifications submitted now in table 4 and table 5 for calculation of Geological Reserve and Movable Reserve 13 sections are shown However the depth of sand in these sections is shown varying from 25 meter to 43 meter which looks unrealistic.
- e) In table 7 of clarification report submitted now 16 grid points are shown (though no corresponding graphical or pictorial representation is shown. As per this table RL is shown from 61.3 to 63.7 meter but in first report in second survey plain height is 58.5 meter.
- f) In the first report as per second survey Geological reserve is 54738.312 cum and movable reserve is 50831.934 cum. However, in the clarification report submitted now as per second survey the Geological reserve is 97338 cum and movable reserve is 71117 cum
- g) Proposed extractable sand as per first report was 21652 cum but as per clarification report submitted now it is 42668cum.
- h) 16 grid points shown in table 7 and related pre and post monsoon RLs worked out and its average is not at all used for any of the calculations. Its relevance is not clear.
- i) In view of unsatisfactory revised replenishment study report, this proposal for EC is not accepted.

After detailed deliberations in the matter, the Authority agreed with the recommendation of SEAC and decided that the PP as well as the Tahasildar, Kashinagar is required to explain why the proposal of EC **shall not be rejected** for the above deficiency.

Now the PP has submitted the necessary ADS / clarification for consideration of Amendment of EC.

Decision Of Authority: Rejected

The Authority observed that the PP has not explained the point wise deficiencies mentioned in the ADS letter dt. 10.10.2023 issued by SEIAA. Instead of a complete report based on ADS only ARRS report carried out by RQP, Sri S.K. Panda has been submitted in place of NABET Consultant or ORSAC empanelled Agency as per guidelines.

After detailed deliberation in the matter, the Authority decided to reject the proposal due to deficiencies mentioned as above.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


02.01.24
Chairman, SEIAA



Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

AGENDA NO.150.05	
Proposal No.	SIA/OR/IND1/442469/2023
Date of application	25.10.2023
File no.	442469/49-IND1/10-2023
Project Type	ToR proposal
Category	B1
Project/Activity including Schedule No.	3(a) Metallurgical Industries (ferrous and non-ferrous) i.e. Secondary metallurgical processing industry (Non-Toxic)-Process involving melting/heating based on gas/electric based furnaces
Name of the Project	Proposal for ToR for Expansion of Production Capacity from 24000 MTPA to 52000 TPA of M/s. Billets/Ingots by replacement of existing induction Furnace (5 Ton/Heat + 3 Ton/Heat) with 2 X 8 Ton/Heat Induction Furnace at Plot No. 19/1019, Goibhanga, P.O.-Kalunga, District- Sundargarh, Odisha by M/s Shri Radha Krishna Ispat Pvt Ltd.
Name of the company/Organization	Mr Arihant Jain, Director M/s. Shri Radha Krishna Ispat Private Limited
Location of Project	At-Goibhanga, P.O.-Kalunga, District-Sundargarh, Odisha
ToR Date	N/A
Name of the Consultant	M/S. PARIVESH ENVIRONMENTAL ENGINEERING SERVICES

- I. 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.
- The proposal was considered by the committee to determine the "Terms of Reference (ToR)" for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendment thereafter.
 - This proposal is for Terms of Reference of M/s Shri Radha Krishna Ispat Pvt Ltd., for Expansion of Production Capacity of MS Billets/Ingots from 24000 TPA to 52000 TPA by replacement of existing induction Furnace (5 Ton/Heat + 3 Ton/Heat) with 2 X 8 Ton/Heat Induction Furnace over an area 3.04 acres at Plot No. 19/1019, Goibhanga, P.O.-Kalunga, District- Sundargarh of Sri Arihant Jain.
 - Category:** This is an existing project and is categorized under Category 'B' under Schedule item 3(a)-Metallurgical Industries (ferrous and non-ferrous), of Gazette Notification dated 14th September, 2006 and its subsequent amendments.
 - M/s Shri Radha Krishna Private Limited is an existing industrial unit producing Pencil Ingots through Induction Furnaces of capacity 5 Ton/Heat & 3 Ton/Heat.
 - Location and connectivity:** The proposed project is of area 3.04 Acres (1.23 Ha) located at Plot No. 19/1019, Goibhanga P.O.-Kalunga, District- Sundargarh, Odisha. The project is bounded by Latitude

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

23°19'45.84"N and Longitude 84°44'39.18"E. The nearest Railway Station is Kalunga Railway Station which is located at about 1.2 km in SW direction and Rourkela Airport is at a distance of approx. 7.0 km in ENE direction from the project site. Nearest habitation is Village – Bijabahal - 0.3 km, NW. Nearest National Highway is NH-143, 4.0 Km in East Direction and nearest State Highway is SH-10 – 1.0 Km, North. Nearest Water Bodies are Longmohan Nadi is at 0.1km W and Sankh River is at 2.3km N. Nearest Protected forest is Kacharu PF at 12.3km and nearest Reserve forest is Sagior RF at 4.4km from the project site.

(vi) The renewal of last consent was granted by State Pollution Control Board, Odisha vide No. 2502/RO-CTO-0403 dated 10.02.2021. Consent Order no 131/SPCB/RKL (APC & WPC) which is valid up to 31.03.2026.

(vii) Details of Existing and Proposed Plant

S. No.	Particulars	Existing	Proposed expansion	Total
i)	Induction Furnace	5 Ton Ton/heat	+3 2X8 Ton/heat (By replacing existing furnaces)	2X8 Ton/heat
ii)	Production capacity (MS Ingots/ Billets Production)	24,000 TPA	28000 TPA	52000 TPA
iii)	CCM	---	2 Strand, 4/7 m radius	2 Strand, 4/7 m radius
iv)	Fixed capital investment	11.15 Cr.	4.85 Cr.	16.00 Cr.
v)	Electrical power requirement	2.9 MW	2.6 MW	5.5 MW
vi)	Land area	3.04 Acres (1.23 Hect.)	---	3.04 Acres (1.23 Hect.)
vii)	Manpower requirement	80	20	100

Raw material requirement:

S. No.	Raw Material	Existing Capacity (TPA)	Proposed Capacity (TPA)	Total Capacity (TPA)	Source	Mode of transport
1	Sponge Iron	19800	23100	42900	Open Market	Road
2	Pig Iron	2640	3080	5720	Open Market	Road
3	MS Scrap	2640	4775	7415	Open Market	Road
4	Alloys	1320	1540	2860	Open Market	Road

(viii) **Water Requirement:** The existing daily fresh water requirement is 9 m³/day and is being sourced from existing bore well and NOC has been obtained from CGWA vide 21-4/5233/OR/IND/2023. Additional 15KLD fresh water will be required for expansion proposal for which CGWA Application is under process. After expansion, total freshwater requirement will be 24 KLD. After expansion, total water demand is 38.5 KLD, out of which fresh water will be 24 KLD which will be sourced from Ground Water. 14.5 KLD water will be recycled.

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024

S. No.	Particulars	Fresh (KLD)	Recycled (KLD)	Total Water Demand (KLD)
i)	Industrial	14	7	21
ii)	Domestic	10	-	10
iii)	Plantation	7.5*	STP treated water of 7.5 KLD will be used for greenbelt development	7.5
	Total	24	14.5	38.5

(ix) **Wastewater generation:** The following will be the waste water generation from the proposed project and method of disposal.

S. No	Particulars	Wastewater generation (KLD)	Management
i)	Industrial	7.0	IF: -Blow-down water from cooling systems will be utilized for the plant through closed circuit cooling system.
ii)	Domestic	8.0	Domestic sewage is being treated in STP and treated water is being used for greenbelt development.

(ix) **Solid waste generation and management:** The following will be the Solid waste generation from the proposed project and method of disposal.

S. No	Particulars	Existing Quantity (TPA)	Proposed Quantity (TPA)	Total Quantity after Expansion (TPA)	Management
i)	Municipal Solid Waste (Kg/day)@0.2 kg/person	3.6	1.8	5.4	It is being send to Municipal corporation
ii)	Slag	2640	3080	5720	Crushed in own Slag crushed unit after that metallic part used in house Billet Manufacturing and non metallic part reused for landfilling
iii)	Mill Scale	14.2	16.8	31	Dried and used in IF
iv)	Refractories	240	300	540	Sold to Building contractor

Mampower Requirement: The proposed project will generate direct employment 100 No's which will be employed officials, staff, skilled, semi -skilled labour & 100 Nos. indirectly employed in contract works & transport.

- (xi) **Power Requirement:** Total power requirement for plants is 5.5 MW. Source from State Electricity Board. A DG Set capacity of 250 KVA also provided standby.
- (xii) **Greenbelt development plan:** Approx. 0.406 Ha. of total land availability is reserved for greenbelt development plan. About 1015 Nos. (0.406 ha. x 2500 plant/ha.) Plants will be maintained. Nos. of trees already planted = 115 Nos. Nos. of Plants yet to be planted = 1015-115 = 900 Nos. Greenbelt of 33% of the area will be developed in the plant premises as per CPCB guidelines.
- (xiii) **Total Project cost:** The estimated total project cost of the proposed project is 16.00 Crores. EMP Cost incurs a capital cost of 100 lakhs and recurring cost of 29 lakhs.

S. No	Particulars	Amount (In lakhs)	
		Capital Cost	Recurring Cost/ Annum
i)	Air Pollution /Noise pollution Control System	80	15.00
ii)	Green Belt Development	10	2.00
iii)	Environment Monitoring and Management	-	8.00
iv)	Water Pollution Control System	05	2.00
v)	Occupational Health& Safety	05	2.00
	Total	100	29.00

- (xiv) **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.

2. Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 01.01.2023 and the SEAC prescribed the ToR for conducting detailed EIA study with following specific ToRs.

- (ii) The Project proponent shall not increase the connecting load from the state grid 20% more than the existing load.
- (iii) Note on existing green area and proposed green area.
- (iv) Furnish details on types of alloys, its composition obtained from suppliers, types of billets/ingots manufactures and quantity of billet production etc.
- (v) The Project proponent shall provide supporting documents like Memorandum of Understanding (MoU) with Raw material suppliers in EIA report.
- (vi) Detailed note on slag processing, composition of slag, facilities provided for processing along with flowchart for the same.
- (vii) The Project Proponent shall clarify whether the slag will be used in land filling purpose; if so then area earmarked, how much period it can be stored and method of storage for it. If the Project Proponent is planning for slag disposal, then provide details on slag disposal process and its management.
- (viii) The project proponent shall brief the Air Pollution Control measures taken and fume collection system in new induction furnaces.
- (ix) The project proponent shall keep provision of solar power generation.

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



Decision of Authority: ADS

The Authority observed that the existing production capacity of the unit for production of MS Billet / MS Ingots is more than 5000 TPA and the proposal falls into item no.3(a)-secondary metallurgical processing unit. After detailed deliberation in the matter, the Authority decided to seek clarification why the proposal shall not be considered as a violation category since the existing production capacity of the unit is more than 5000 TPA during the period 2007-2011. The PP shall also furnish the year wise production till date duly certified by the competent authority and the existing induction furnace capacity in TPA.


Member Secretary, SEIAA

APPROVED BY

Member, SEIAA


02.01.24
Chairman, SEIAA

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



AGENDA NO.150.06

Proposal No.	SIA/OR/IND1/446440/2023
Date of application	21.10.2023
File no.	446440/48-IND1/10-2023
Project Type	ToR proposal
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for ToR for Installation of 1.5MTPA Iron Ore Beneficiation Plant at village- Sanindipur, Koida, Dist.- Sundargarh, Odisha, by M/s. FEDDERS ELECTRIC & ENGINEERING LIMITED
Name of the company/Organization	Mr Dinesh Sharma, General Manager
Location of Project	village- Sanindipur, Koida, Dist.- Sundargarh, Odisha
ToR Date	N/A
Name of the Consultant	M/s. Visiontek Consultancy Services Private Limited, Bhubaneswar

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 the EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference of M/s. Fedders Electric & Engineering Limited for installation of 1.5MTPA Iron Ore Beneficiation Plant over an area 24.635 acres (9.969 Ha.) located at village- Sanindipur, Koida, Dist.- Sundargarh of Sri Dinesh Sharma.
3. **Category:** The proposed project is categorized under Category 'B' under Schedule item 2(b) - Mineral beneficiation as per EIA Notification dated 14th September, 2006 and its subsequent amendments.
4. **Location and connectivity:** The proposed project is located in village Sanindipur, under Koida Tehsil of Sundargarh district and is featured in Toposheet No, F45N1, F45N5, F45N8 bounded by Latitude: 21°55'16.05"N to 21°55'4.67"N and Longitude: 85°18'6.61"E to 85°18'4.12"E. Nearest National Highway is NH-520, within 6 Km(aerial) and nearest Railway station is Barsuan Railway station – 30 km (W), nearest Airport is Veer Surendra Sai Airport, Jharsuguda at 180 K.M. Nearest Water Bodies are Suna Nadi is at 0.7km W and Karo River is at 7.9km N. Nearest Reserve forest is Mendhamaruni RF at 1.2km. Nearest habitation is Sanindipur village - 0.4km South of the project site.

5. Raw material required:

Sr. No.	Proposed Facility	Raw material	Quantity	Source	Distance /Modeof Transportation
i)	Beneficiation Plant (1.5MTPA)	IronOre Fines	1.5MTPA	Nearby Iron Ore Mines	By Road



6. **Water Requirement:** The source of water for the proposed green-field project will be from Suna River flowing at a distance of 0.7 km. The water requirement for the proposed green-field project is estimated as 1200 m³/day (50 m³/ hr). Water drawl permission will be taken for 1200 m³/day from competent authority.
7. **Wastewater generation and management:** The water required for domestic purpose in the project is 4.8KLD, out of which about 4KLD will be generated as domestic waste water. This 4 KLD water will be treated in the 5KLD STP & will be reused in greenbelt development & dust suppression purpose.
8. **Power Requirement:** 3.5 MW of power will be required for the proposed green-field project which will be sourced from Nearest Grid. Permission will be taken from competent authority. There will be installation of 1no. DG set of capacity 500 KVA for power backup during power failure.
9. **Solid waste generation:** Tailings of quantity about 0.45MTPA will be generated as solid waste. These will be collected in Tailing storage area of 2.021 Acre & disposed to low lying area available in the locality.
10. **Greenbelt development:** The total project area is 24.635 Acres (9.969 Ha.) out of which green belt will be developed on about 8.576 Acre (3.47 Ha) area. The proposed greenbelt is 33.027% of total project area. Number of species to be planted = $3.47/2500 = 8675$. Local species (viz. Neem, Saal, Mohula, Peepal, Mango, etc.) will be preferred for plantation in consultation with forest department.
11. **Manpower Requirement:** There will be requirement of total 73 numbers of manpower. The manpower will be hired from local people.

ROLE/DESIGNATIONS	NUMBERS
Manager	01
Staff/ Supervisor	12
Skilled Labours	36
Unskilled Labours	24
TOTAL	= 73

12. **Project cost:** The estimated cost of the project is 98 Crores and EMP cost bearing Capital cost- Rs. 672 Lakhs(6.72Cr.) and Recurring cost- Rs.134.4 Lakhs (1.34 Cr.)

Table: EMP Cost

S. No	Unit	Detail	Capital Cost (Rs. In Lakhs)	Total Recurring Cost (Rs. in Lakhs)
i)	Air Management	Air pollution control Measures	100	20
ii)	Wastewater Management	Surface runoff treatment plant, STP and maintenance	150	40
iii)	Noise Management	Maintenance of instruments	80	20

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



iv)	Solid & Hazardous Waste Management	Proper collection, Safe Handling, Storage within premises and disposal of waste to recyclers, etc as applicable	87	20
v)	Fire & Safety	Fire Extinguishers, Fire hydrant system	90	10
vi)	Env. Monitoring	CAAMS, Weather Station & Third Party	80	10
vii)	Green Belt Development	Plantation	40	9.4
viii)	Occupational Health	Medical Health checkup, PPE, first aid	45	5
Total			672	134.4

13. **Environment Consultant:** The Environment consultant: **M/s Visiontek Consultancy Services Private Limited, Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 01.01.2023 and the SEAC prescribed the ToR for conducting detailed EIA study with following specific ToRs.

- (i) The Project proponent shall revise the layout for location of raw material storage yard as the materials may get airborne and housing colony of M/s Rungta Mines is located at 100 metres away from the project site. Provide the justification for the necessary changes.
- (ii) Chemical analysis report of Iron content present in raw material samples.
- (iii) Note on Tailing management (storage plan, quantity to be sold) its process and disposal.
- (iv) The PP proposes to draw 1200 KLD from Suna River. As the said river is small, it might not be feasible to draw the water required for the project. Hence, PP shall apply for the permission from the concerned department (CGWA/ Water Resource Department) and check if it's feasible to avail the required water for the project.
- (v) The Project proponent shall provide supporting documents like Memorandum of Understanding (MoU) with Raw material suppliers.
- (vi) Traffic Study Report as traffic load to be increased due to the establishment of proposed project.
- (vii) Material balance with the process flow sheet for Iron ore processing should be supported by tests carried out by reputed Lab/Institute.
- (viii) Details of Chemical & Mineralogical analysis of the ROM feed, Products & Tailings should be submitted.
- (ix) Submit the detailed layout of the parking plaza.
- (x) Chemical composition of the tailings along with percentage of recovery.
- (xi) The groundwater quality should be assessed for leachate control from the raw material stockyard.
- (xii) Details of tailing storage & handling processes to be followed and its management.
- (xiii) The project proponent shall keep provision of solar power generation.

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



Decision of Authority: Approved

After detailed deliberation in the matter, the Authority decided to allow both standard and specific ToR applicable for Beneficiation Plant for EIA studies.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


02.01.24
Chairman, SEIAA

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



AGENDA NO.150.07

Proposal No.	SIA/OR/IND1/449057/2023
Date of application	08.11.2023
File no.	449057/50-IND1/11-2023
Project Type	ToR proposal -
Category	B1
Project/Activity including Schedule No.	2(b) Mineral beneficiation
Name of the Project	Proposal for ToR for Beneficiation plant of capacity 9,60,000 TPA located Village Dubuna, Barbil, Dist- Keonjhar, State-Odisha for M/s High Grade Mineral Private Limited (HGMPL)
Name of the company/Organization	Ganesh Kumar Sharma, Director
Location of Project	Village Dubuna, Barbil, Dist- Keonjhar, State-Odisha
ToR Date	N/A
Name of the Consultant	M/s. Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar

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 the EIA Notification, 2006 and amendment thereafter.
2. This proposal is for Terms of Reference of M/s. High Grade Mineral Private Limited (HGMPL) for Iron Ore Beneficiation plant of capacity 9,60,000 TPA over an area of 6.97 Acre located Village Dubuna, Barbil, Dist- Keonjhar of Sri Ganesh Kumar Sharma.
3. **Category:** This project falls under Category "B" under 2(b): Mineral Beneficiation as per EIA Notification dated 14th Sept, 2006 and its amendments.
4. **Location and connectivity:** M/s High Grade Mineral Pvt. Ltd. has planned to set up an Iron Ore Beneficiation Plant of capacity 960000 TPA at village-Dubuna, Tehsil- Barbil, Dist- Keonjhar, Odisha. The geographical co-ordinates of the proposed site is Latitude: 21°51'02.9" N Longitude: 85°24'17.3" E. The project falls under Survey of India bearing Topo sheet no. 73G/5. The Plant site is connected to Joda-Bamebari-Palasponga road by a haul road and this road connected to NH-520 at a distance of 25 km. Nearest Railway siding is Nayagarh Railway siding at 5 km in East direction, nearest Airport is Bijupatnaik International Airport (264 km), District Headquarter: Keonjhar – 39km, nearest port is Paradeep port about 280 km from the project site. The nearest water bodies are Baitarani River – 4 km (E), Handibhanga Waterfall – 4 km (W), Kaijoda Waterfall – 9 km (SW), Jagadala Reservoir – 8 km (SE), Balipada Nala – 4.5 km (E), SunaNala – 8 km (W), Jalpa Nadi- 2 km (E).
5. **Kisam of land-** 6.97 Acre belongs to High Grade Mineral Private Limited, however during the verification of records, it was found that Hal ROR no. 82/95, 82/96 & 5 belongs to Jungle Kissam, which is under subjudice at the court of Additional Commissioner (Consolidation & settlement), Keonjhar vide letter No. 495 /Court dated 17.11.2023.
6. **Material Balance:**

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



Material	Fe (%)	Yield (%)	Annual Qty(MT)
Raw Ore	54.5	100	9,60,000
Jig Beneficiated Coarse Ore (+) 4 mm to (-) 18mm	62	45.7	4,38,720
Jig Discard (+) 4 mm to (-) 18mm	40	11.8	1,13,280
Concentrated of fines beneficiation circuit (-) 75 microns	62	13.72	1,31,712
Tailings from fines circuit (-) 75 microns	45	28.78	2,76,288

7. **Water requirement:** The total water requirement for the proposed project will be 31.5 m³/hr and make up water requirement for process will be 504 KLD which will be drawn from ground water source.
8. **Wastewater details:** Water will be kept in closed circuit and recycled. The water utilized in the process will be recycled resulting in zero discharge of waste water. The tailing pond of adequate capacity will be constructed with suitable impervious lining to prevent percolation into ground water.
9. **Power Requirement details:** The total power requirement for plant operation will be about 3.5 MW. The power supply will be sourced from TPNODL. There is provision of DG set of capacity 250 KVA for power back up.
10. **Solid waste generation:** The major solid waste is the tailings & discards generated from the beneficiation process. The quantity of tailings to be 2,76,288 TPA and discards of quantity 1,13,280 TPA totalling to 3,89,568 TPA.
11. **Mitigation of solid waste produced:** From the quality of the iron ore available in the region and based on the recovery pattern of similar plants working in the area, it is expected to recover 70-75% of the feed material, as concentrate. The balance 25-30% will be disposed off in the form of tailings with filtration. It is proposed to utilize these tailings for brick manufacture, at a later stage of the project. Also, it is proposed to sell these to nearby cement plants, in the region. However, a space provision has been made in the plant layout to store the tailings in the designate tailing ponds, within the plant area. In dewatering, the water recovered is around 72%.
12. **Greenbelt Development:** A greenbelt development plan will be prepared and implemented along with the project. Total green belt area shall be 0.94 Ha. The green belt will be developed @2500 trees per hectare. Greenbelt/plantation program will be undertaken in around the project.
13. **Total Employment:** The project generates employment opportunities for 60 personnel during the construction phase. During its operation phase 48 personnel will be engaged directly and 100 personnel will have indirect employment.
14. **Project Cost:** The project cost of the proposed project is 46 Crores.
15. **Environment Consultant:** The Environment consultant M/s, **Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent made a presentation on the proposal before the Committee.

Minutes of 150th Meeting of SEIAA, Odisha held on 02.01.2024



Whether SEAC recommended the proposal – The proposal was placed in SEAC meeting held on 01.01.2023 and the SEAC prescribed the ToR for conducting detailed EIA study with following specific

- (i) Permission from CGWA and Water Resource Department for usage of surface water/ground water.
 - (ii) Submit the Wildlife Conservation plan with distance from the nearby Reserve Forest.
 - (iii) Submit material balance with by-products generated from the process in a flow-chart.
 - (iv) Submit chemical & mineralogical analysis of the raw mineral ore, fine ore & products from a NABL accredited lab.
 - (v) Submit in tabular form for raw material procurement. Submit supporting documents like Memorandum of Agreement (MoU) with the Raw material suppliers atleast 4 sources, distance of these suppliers from the proposed project and transportation route to be followed to reach the plant.
 - (vi) Submit the detailed layout of the parking plaza.
 - (vii) The proponent shall provide facility for blending of raw material and raw material storage.
 - (viii) Chemical composition of the tailings along with percentage of recovery.
 - (ix) The groundwater quality should be assessed for leachate control from the raw material stockyard.
 - (x) Details of tailing process to be followed and its management.
 - (xi) Submit documents regarding land settlement and conversion of Kisan of land to appropriate category for Industrial use.
 - (xii) Submit a detailed land use break-up.
 - (xiii) Complete usage of tailings should be provided in EIA.
 - (xiv) Material balance with the process flow sheet for Iron ore processing should be supported by tests carried out by reputed Lab/Institute.
 - (xv) Details of Chemical & Mineralogical analysis of the ROM feed, Products & Tailings should be submitted.
- The project proponent shall keep provision of solar power generation.

Decision of Authority: Approved

The Authority observed that the project involves Jungle Kissan of land for which approval under FC Act is required. The PP is required to submit proof of applying the stage-1 FC for consideration of ToR proposal. Secondly, the detailed land schedule of the project area should be jointly signed by Tahasildar & DFO.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA