

Agenda of 117th Meeting of SEIAA, Odisha Held on 02.05.2023 & 03.05.2023**AGENDA No.117.01**

Proposal No.	SIA/OR/MIN/80992/2007
Date of Application	24.08.2022
File No.	80992/735-MINB1/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a)-Mining of Minerals
Name of the Project	Proposal for EC for mining of iron ore & manganese for production of Manganese Ore 0.04 MTPA and Iron Ore 0.3 MTPA at Kolmong Iron & Manganese Block over an area of 218.481 ha (as per DGPS)/218.530 ha (as per RoR) (Forest: 155.326 Ha & Non-Forest:63.204 Ha) in village-Kolmong, Tahasil-Koira, District- Sundargarh.
Name of the company/Organization	Applicant: M/s. Yazdani Steel & Power Ltd; Sri. Binoda Kumar Acharya; GM cum Agent
Location of Project	Village-Kolmong, Tahasil-Koira, District-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 SEAC/SEIAA, are given as under.

- (i) The proposal is for Environmental Clearance of M/s Yazdani Steel & Power Limited for Manganese Ore 0.04 MTPA and Iron Ore 0.3 MTPA at Kolmong Iron & Manganese Block over an area of 218.481 ha (as per DGPS)/218.530 ha (as per RoR) (Forest: 155.326 Ha & Non-Forest: 63.204 Ha) in village-Kolmong under Koira Tahasil of Sundargarh District.
- (ii) The project falls under category "B" or activity 1 (a) - Mineral of Minerals under EIA Notification dated 14th September 2006 as amended from time to time.
- (iii) Yazdani Steel & Power LTD. (YSPL) was awarded the Kolmong Iron & Manganese Block over an area of 218.481 ha (as per DGPS)/218.530 ha (as per RoR) in village-Kolmong under Koira Tahasil of Sundargarh district of Odisha being the successful bidder the lease was granted under Non captive category for 50 years.
- (iv) The vesting Order issued by the Nodal Officer, Steel and Mines Department, Government of Odisha vide No-4369/SM, dated 02.06.2020. Pursuant to the provisions contained in Rule 9A(2) of the Mineral (Other than Atomic and Hydrocarbon Energy Minerals) Concession Rule, 2016 order that all the valid rights, approvals, clearances, licenses and the like vested in the previous lessee in respect of the Kolmong Iron & Manganese Block are deemed to have vested in favour of the holder of the letter of intent on the same terms and conditions of every rights, approvals, clearances, licenses and the like which vested with previous lessee.
- (v) Modified Mining Plan along with Progressive Mine Closure plan was obtained under Rule 23 of MCDR, 2017 form IBM, Bhubaneswar vide letter no MP/A/26-OR/BHU/2020-21 date 20.11.2020 for production of 0.04 MTPA Manganese Ore and 0.3 MTPA Iron Ore with Opencast Fully Mechanized Mining Method. for the period of 202021-2024-25. In order to regularize the statutory provisions, it is proposed to obtain Environmental Clearance for proposed production as per approve mining plan and ToRs Vide no F.No.J11015/05/2021-

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- (vi) In II(M) dated 4th March,2021 to prepare EIA/EMP report as requirement of Environmental Clearance. Baseline data for environmental parameters was collected during October to December,2020 and public hearing was held on 20th December,2021
- (vii) Kolmong Iron & Manganese Block spreads over an area of 218.481 ha (as per DGPS)/218.530 ha(as per RoR) (Forest: 155.277 Ha & Non-Forest: 63.204 Ha) in village-Kolmong under KoiraTahasil of Sundargarh district of Odisha. The lease area is moderately flat, though there are occasional mounds within the area, studded with flat topped low ridges, reassembling a relict type of topography controlled by differential hardness of rocks. The maximum RL of the area is 654m at the southern part of lease area and the minimum RL of the area is 576m. The area falls in Survey of India Toposheet no.73 G/5. The area is bounded by latitude 21°56'20.01" to 21°57'32.24" N Longitude 85° 18'24.54" to 85°19'22.72"E. The Nearest railway station Barbil is 28 Kms from the lease, to connect Tata Nagar, Kolkata & Bhubaneswar.
- (viii) The nearest important public road is National Highway-215 connecting Panikoilli to Rajamunda at an distance of 5 km . Bhubaneswar airport (340 km away) is the nearest airport from the area. There is an airstrip/helipad near Bhadrasahi, Barbil which is around 18 km from the lease area.
- (ix) There is no perennial river or water body in the project area. The major drainage channel of the area is kundranala which is located in the eastern and south-eastern side of the lease hold area. Date of execution of Lease is 30.06.2020 and valid for 50 years upto 30.06.2070.
- (x) ML area: 218.481 ha(as per DGPS)/218.530 ha(as per RoR) (Forest: 155.277 Ha & Non-Forest: 63.204 Ha)
- (xi) Capital cost of the project is estimated to be Rs. 68.50 Crore, and Capital cost for EMP is estimated to be 3.16 Crore and annual recurring cost is 0.53 Crore
- (xii) Mining operation is semi mechanized opencast with both mechanized and manual excavation of manganese ore, manual breaking, sorting & sizing of manganese ore. Development work will be done by excavator (0.9 m³) and tipper combination. Similarly for iron ore, the production of ROM will be carried out by dumper shovel configuration and the processing will be carried out by mechanized method. During the proposed mining operation period, total maximum ROM of Iron Ore will be handled 1.0498 Million Ton from in-situ ore zone and Maximum 0.2 Million Ton ROM for Manganese Ore. The mining operation will be of one shift.
- (xiii) Total 64.633 ha. Land will be proposed to be excavated to mine the Manganese ore. So, it is estimated that from 2020-21 to end of life of mine 1,03,02,939m³ of waste will be generated during mining operation. Out of total waste generation of waste 95,22,919 m³ will be used for backfilling the exhausted quarry. The balance 7,80,020m³ will be dumped on external dumps.
- (xiv) Electricity requirement: The electricity is supplied to the project by WESCO through 1 nos. transformers of capacity 1500 KVA /day inside the lease hold. Solar system shall be installed for lighting at admin building and other mining area. 500KVA of DG Set available in the mine for stand by purpose.
- (xv) H.S.D. requirement: Requirement of H.S.D is 11.0 KLD
- (xvi) Manpower requirement of project is 316 nos
- (xvii) Peak Water Requirement of the project is 173 KLD and average water requirement of the project is 86 KLDB
- (xviii) Before auction and total 53.540 ha of area has been already utilized and as per present mining plan additional 26.417 ha shall be utilized and 138.573 ha shall be remain unutilized
- (xix) Based on the Geological Report as supplied by the State Govt., the total resources of ROM (under G2 Level) for both high grade & low grade of Mn ore as on 01.01.2019 was 37,23,658 (MT) and Iron Ore 13,97,650 (MT). After depletion upto 31.03.2020 by the previous lessee, the resource of Manganese Ore was 3722397 MT and the Iron Ore was 1397650 MT (no depletion of iron ore).
- (xx) As on 01.10.2020, the residual reserved Manganese Ore is 34,24,605 MT and considering the target production of 40,000 MT per year, the life of mine will be 85.66 year.

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- (xx) As on 01.10.2020, the residual reserved Iron Ore is 12,57,585 MT and considering the target production of 3,00,000 MT per year, the life of mine will be 4.19 year.
- (xxi) The life of mine will be increased, If the reserve will increase due to proposed future exploration
- (xxii) The Kolmong Iron & Manganese Ore Mine is 'A'-OTFM category mine and mining operation is semi-mechanized open cast.
- (xxiii)
- (xxiv) Manganese ore is soft in nature and generally occurs in small pockets. Grade of the ore also varies widely within the ore pockets. The iron ore deposit has also been proposed for semi-mechanized open cast mining. Excavator (0.9m³) and dumpers combination will be used for development of benches in both waste and ore.
- (xxv) Deep hole drilling & blasting will be occasionally used to dislodge the hard strata. Rock breaker has been utilized in the area where blasting is not possible. As the manganese ore occurs in the form of small and big pockets in this area, mining operation is of mixed type.
- (xxvi) In this mine, Manganese ore pockets and iron ore (ROM) will be excavated out by excavator (0.9m³). Then the excavated ROM (Mn) ore material goes to manual ore sorting / sizing yard for sorted out the manganese ore lumps from ROM ore material and the iron ore (ROM) shall be crushed and screened in different size and grade as per the nature.
- (xxvii) These manganese ore lumps will be then stacked separately as per the grade. The sub grade/ low grade manganese ore are stacked separately. Manganese ore fines are also stacked separately. Then the sized manganese ore are loaded into truck either manually or through machine for dispatch to buyer's destination.
- (xxviii) The waste material is dumped in Dump-D1 & D3 as well as utilized for the backfilling of part of Quarry-6 & 7.
- (xxix) Regarding mining operation, excavator of capacity 0.9m³ and tippers of capacity 20 MT will be used for excavation and transportation of wastes & ROM ore. In the quarry bench height will vary from 3 to 4 m and width will vary from 6-10 m. If necessary, 4 m bench will be divided into small benches. Dump leveling and dump terracing will be done through dozer as per requirement. During the proposed plan period maximum annual production of Manganese ore will be 40,000 MT & Iron Ore will be 3,00,000 MT per annum
- (xxx) During proposed period of mining operation total handling of Iron Ore (ROM) from the mine will be around 3,00,000 (MT) and the production of Manganese ore will be around 40,000 MT obtained from insitu body.
- (xxxi) During the proposed period of mining operation four nos of quarry will operate namely New Pit, Quarry 6 & 7, Dhandariya Pit & Magazine Pit for Mn Ore & Quarry namely New Pit & Dhandariya Pit for Iron Ore. The mining operation will be carried out by Sovel & Tipper combination for excavation of both Ore & Waste.
- (xxxii) The excavator of capacity 0.9 m³ will be used for feeding of ROM to screening & crushing plant for Iron Ore & the Mn ore will be processed manually.
- (xxxiii) Rock breakers are used to avoid secondary blasting as per the requirements.
- (xxxiv) There will be no change in proposed method of mining.
- (xxxv) This working mine shall bring tremendous benefits in the area like:
- (xxxvi) Direct employment opportunities for more than 500 persons.
- (xxxvii) Indirect employment for more than 3000 persons through various service related activities connected with the project operations
- (xxxviii) Improvements in infrastructure in the area Road Network, Water supply to villages through Water tankers & overhead tanks with pipe lines, Electricity facilitation, Healthcare, Education, Other Social Welfare Activities Providing certain facilities for the local panchayats.
- (xxxix) Financial gains for the state and central Governments, through collection of various taxes like royalty, GST, DMF and NMET (National Mineral Exploration Trust) etc., Increase in General Awareness of the People
- (xl) Improvement of the General Living Standard of the People in the Vicinity.



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- (xli) Generation of self-employment through self-help groups.
- (xlii) Improvement in Per Capita Income.
- (xliii) The user agency as well as Govt of Odisha will be benefitted financially due to the commencement of project
- (xliv) Environmental protection as well as the development of the people will be worked in a systematic manner at the block/regional level for overall benefit of the society, region, district and state. The Company will extend their co-operation and assistance in sharing the relevant data/ information/ reports/ documents etc. for continuous improvement of Sustainable Environment Development Plan for economic growth in the mining sector.
- (xlv) The Environment Consultant M/s Ardra Consulting Services Pvt. Ltd. Bhubaneswar along with the proponent made a detailed presentation on the proposal before the Committee on 02.09.2022.
- (xlvii) The PP submitted ADS to SEAC on 28.12.2022 & 04.04.2023.
- (xlviii) Any deficiencies/omission have been noticed in the above documents- ToR compliance may be reviewed. Earlier EC dt. 2009 granted over 113.375 Ha for production of Manganese ore from 12000 TPA to 40163 TPA.

Whether SEAC recommended the proposal – Yes, the SEAC have recommended for grant of Environmental Clearance with stipulated conditions and following specific conditions.

- a) The proponent shall utilize different grades of iron ore (ROM) and Manganese ore (ROM) and waste generated according to IBM guidelines.
- b) The proponent shall carryout compensatory afforestation for the project site.
- c) The proponent shall adopt additional measures for dust suppression.
- d) Conversion of Gochar / Grazing land involved if any in lease area shall be made before going for mining activity.
- e) Rainwater harvesting structures shall be implemented.
- f) The lessee shall take adequate safeguard measures to ensure the free flow of the 3 nearby tributaries/nallahs.
- g) Only shrubs can be planted in between stone patching.
- h) The EC is limited to secondary crushing and screening operations (dry process) as per approved mining plan. Under no circumstances, the lessee shall carry out any beneficiation activity (wet process) of low-grade ore.
- i) All the ores (45-55) and +55 grades shall be used and ores & rejects shall be transported as per approved mining plan for their use. Only temporary stacks shall be operated. The mine shall avoid segregation & generation of fines and flow of silt during rainy session.
- j) Green processes like Controlled drilling, Environment friendly blasting, safe transportation and conveying, silt-management shall be followed as per guidelines.
- k) Compliance Report specific to water balance as per actual and layout plan as per progressive mining plan shall be submitted periodically and obtain compliance report.
- l) Proper settling pond of adequate capacity shall be provided and water quality of settling pond shall be monitored regularly.

Decision of Authority:

After detailed deliberation, the Authority observed the following:

- 1) The Kolmong Iron & Manganese Block is an auctioned mines which has been acquired by M/s. Yazdani Steel & Power Ltd. and a vesting order issued vide letter no. 4369/SM, dated 02.06.2020 acquiring all valid rights, approvals, clearance, license with the previous lessee for a period of 2 years from the date of execution of lease deed or till the date of forest approval or clearance. licences.
- 2) As per the MoEF & CC, FC Division vide File no. F.No.11-97/2018-FC dated 08.02.2021 in Para (ii), for undertaking mining operation as per changed land use envisaged in new mining plan, the

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user agency needs to seek prior approval under the Forest (Conservation) Act, 1980 within the stipulated period of 2 years.
In the light of above guideline of MoEF&CC, the PP is required to clarify FC (Part/full) for Kolmong Iron & Manganese Block in their favour from MoEF & CC for further consideration of the proposal.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
09.05.2023

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AGENDA NO.117.02	
Proposal No.	SLA/OR/MIN/78946/2020
Date of Application	20.07.2022
File No.	78946/93-MINB1/07-2022
Project Type	Fresh EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for grant of EC for Mining of Chromite Ore from Saruabil Chromite Block (ML Area: 246.858 Ha) with a production of 1.0 MTPA Chromite Ore (ROM) with maximum excavation of 6.48 Million Cum per Annum through Opencast Mining at villages Saruabil, Kamarda, & Tailangi under Sukinda Tehsil, Jajpur District
Name of the company/Organization	Tata Steel Mining Limited
Location of Project	Odisha
ToR Date	29.12.2020
Name of the Consultant	M/s Visiontek Consultancy Services 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 is for Environmental Clearance for Saruabil Chromite Block (ML Area: 246.858 Ha) with a production of 1.0 MTPA Chromite Ore (ROM) with maximum excavation of 6.48 Million Cum per Annum through Opencast Mining at villages Saruabil, Kamarda, & Tailangi under Sukinda Tehsil, Jajpur District for M/s. Tata Steel Mining Limited of Sri Bibhu dutta Nanda.
2. The project falls under Category-B (≤ 250 ha in respect of major minerals other than Coal) as per MoEF&CC Notification No. S.O. 1886(E) Dated 20th April, 2022.
3. M/s Misrilall Mining Pvt. Ltd. operated in Saruabil Chromite Block from 15.05.1954 till 31.03.2020. Odisha Government had issued the Letter of Intent (LOI) for Chromite ore mining in Saruabil Chromite Block to Tata Steel Mining Limited (formerly known as M/s T S Alloys Limited) over an area of 246.858 Ha for a period of 50 years vide letter no. 223/SM dated 6th January 2020. In terms of section 8B(2) of MMDR Act, 1957 read with rule 9A(4) of MCR, 2016, the bidder is deemed to have acquired all valid rights, approvals, clearances, licenses and the like vested with the previous lessee for a period of two years from the date of execution of the lease deed or till the date of getting fresh approvals, clearances, licenses, permits and the like whichever is earlier vide letter no. 4174/SM dated 29th May 2020. Lease deed for the Saruabil Chromite Block was executed on 26th June 2020.
4. Terms of Reference was granted by MoEF& CC dated 29.12.2020. Public Hearing was conducted on 22.12.2021.
5. The proponent has applied to SEIAA, Odisha for EC as category B as per MoEF&CC Notification No. S.O. 1886(E) Dated 20th April, 2022.
6. Location and Connectivity: The Saruabil Chromite Block is spread over an area of 246.858 Ha and it falls in Survey of India Topo Sheet Open Series Map No. F45N16 (73G/16) with co-ordinates Latitude: N 21°02'42.64" to 21°03'49.65" and Longitude: E 85°48'35.38" to 85°49'49.92". Saruabil Chromite Block is situated in Jajpur district. Tomka Mangalpur State Highway passes through the lease area. The nearest National highway, NH – 200, is situated about 10.5 Km aerial distance from



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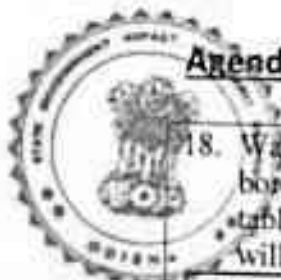
the proposed area and the Chromite block is at about 23 Km Road distance from Daitari Railway Station and 136 km distance from Biju Patnaik airport, Bhubaneswar.

The previous Environment Clearance for the project was granted in the name of M/s Mishrilal Mines Pvt. Ltd. for production of 0.35 MTPA Chromite Ore with expansion of Chromite Ore beneficiation plant from 20 TPH to 30 TPH by MoEF vide letter no. J-11015/72/2010-IA. II(M), dated 20.07.2018.

8. Mining Plan approved by IBM, Bhubaneswar dated 18.05.2018. Mining Plan of TSML was approved on 10.11.2020.
9. Environmental Clearance for production of 0.35 MTPA Chromite Ore and enhancement of Chrome Ore beneficiation plant from 20 TPH to 30 TPH from MoEF&CC dated 20.07.2018. However, COB plant has been dismantled by previous lessee.
10. Forest Diversion over 224.63 Ha of entire forest land involved from MoEF&CC dated 16.01.1997, (As per Sabik settlement application for diversion of 17.14 ha is in process)
11. The proponent has obtained Consent to Establish from SPCB, Odisha dated 29.11.2016 and Consent to Operate from SPCB, Odisha dated 16.03.2022.
12. Surface right from District Collector, Jajpur over 242.581 Ha has been obtained.
13. Ground water with drawl permission has been obtained from CGWA, (GoI) dated 16.07.2019.
14. Deep hole blasting & use of HEMM has been obtained from DGMS, (GoI) dated 19.03.2019 (TSML has also obtained the fresh 106 (2) (B) on 28.05.2021).
15. Method of Mining - The current project involves mining of Chrome Ore (Chromite) through a Fully Mechanized Opencast mining method with HEMM and deep hole blasting. The proposed production capacity is 1.0 Million Tonnes Per Annum of Chromite Ore (ROM) with total excavation of 6.48 Million Cubic Meters per Annum. The bench height will be about 6 m with width of 10 m. Bench slope has been designed at 70°. Maximum Overall Pit Slope angle 30°. Study of further slope steepening has been initiated under the guidance of CIMFR, Dhanbad. For Drilling and blasting - 150 mm diameter holes are drilled with depth of 6 to 8 m in ore body. Holes will be charged with SME with booster. Powder factor of 7 MT/kg in Ore. For Transportation - Dumpers (44 nos of 35 tonne capacity) are being used to transport the ore from quarry to stack yard.
16. Production Details for the plan period (2020-21 to 2024-25)

Ore & OB Excavation during the plan period (2020-21 to 2024-25)				
Year/ Pit No.	Total ROM Production (MT)	Total ROM Production (CuM)	OB/Waste Volume from Development of Pits (CuM)	Total Excavation (CuM)
1 st year (2020-21)/ B & C	150000	44200	1,195,000	12,39,200
2 nd year(2021-22)/ B & C	400000	117800	1,491,000	16,08,800
3 rd year (2022-23)/ B & C	450000	132500	2,007,000	21,39,500
4th year (2023-24)/ B & C	700000	206100	3,639,000	38,45,100
5th year (2024-25)/ B & C	900000	264900	5,571,000	58,35,900
5th year (2024-25)/ D	100000	29400	619,000	6,48,400
Sub Total (5 th Year)	1000000	294300	6,190,000	64,84,300
Total	2700000	794900	14,522,000	1,53,16,900

17. Power Requirement: The fully mechanized mining will be done in a three shift of 8 hours each. The use of electricity will be for lighting/illumination/pumping purposes in mining operations and will be obtained from CESU/ Tata Power/ Any other. The electricity/DG power will be provided at the office, camp, and mines. Power requirement of ~1000 KVA would be met from local grid maintained by Central Electricity Utility Services (CESU)/ Tata Power/ Any other.



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18. Water Requirement: Total water requirement has been estimated to be 330 KLD. There are 2 borewells located inside the mine lease area. As the mine workings has intersected the groundwater table, seepage of groundwater is expected. Dewatering of mine will be undertaken and the water will be utilized for various purposes. Water requirement and usage has been detailed in table.

Activities	Daily Water Requirement, KLD	Effluent Generation, KLD	Losses, KLD	Treatment	Source of water
Drinking & Domestic Use, Canteen	40.00	32.00	8.00	Septic tank/ Soak Pit	Ground water from Borewell
Dust suppression	250.00	0.00	250.00	--	Mine pit water
Plantation & Gardening	100.00	0.00	100.00	--	Mine pit water
Workshop, Wheel wash & Vehicle wash	10.00	8.00	2.00	Treatment in Oil & Grease trap, recycled for wheel wash & dust suppression	Mine pit water
ETP wash water	20.00	0.00	20.00	--	Mine Pit water
Total	420.00	40.00	380.00		

19. Baseline study was conducted during October – December, 2020. The observations are Ambient air quality monitoring carried out in 8 different sampling locations. During the study period, the concentration of PM₁₀ = 29 to 64.1 µg/m³, PM_{2.5} = 17 to 38.5 µg/m³, SO₂ = <4 to 8.1 µg/m³, NO_x = <9 to 13.6 µg/m³.
20. The ground water samples were collected from 8 different sampling stations and analyzed as per IS 10500:2012 to assess the portability of the ground water. As Per the data it has been observed that the pH ranges from 5.06 to 7.78, total hardness varies from 14 to 180 mg/l, chloride ranges from 3.8 to 38 mg/l, TDS ranges from 20 to 316 mg/l.
21. The surface water samples were collected from 8 different sampling stations. As Per the data it has been observed that the pH ranges from 7.21 to 7.84, DO ranges from 4.4 to 6.3 mg/l, COD ranges from 6.0 to 20 mg/l.
22. The ambient noise levels were measured in 8 sampling locations. As Per the data it has been observed that Ambient noise ranges from 36.7 dBA to 60.4 dBA.
23. The soil samples were collected from 12 different sampling stations. As Per the data it has been observed that pH ranges from 7.03 to 7.24, SAR ranges from 2.6 to 4.4 %, clay percent ranges from 59.8 to 73, all the metals are below detectable level.
24. Employment Potential - The project will generate 650 manpower in the mine.
25. Total Cost of the proposed project will be ` Rs 179.91 crore with a recurring cost of 66.93 crores and EMP cost is ` Rs 26.75 crore with a recurring cost of 1.79 crores.
26. The project proponent along with the consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation on the proposal on 03.08.2022.
27. The PP has submitted ADS to SEAC on 17.10.2022.
28. The SEAC in its meeting held on 05.11.2022 have recommended for grant of Environmental Clearance with stipulated conditions along with specific conditions.
29. The Proposal was put up in the 103th meeting of SEIAA held on 13.12.2022 & the Authority has observed the following:



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- The present proposal relates to grant of EC for a production capacity of 1.0MTPA from the ML area of 246.858Ha, out of which 17.14Ha is forest land.
- Further, the proposal involves a violation case of FC involving 17.14Ha of forest land as per Sabik Settlement.
- As per MoEF&CC, GoI OM dated 09.09.2011, Stage-I Forest Clearance is a pre requisite for issue of EC.
- Hence, the Authority decided that the SEAC may re-examine the proposal in light of MoEF&CC, GoI OM dated 09.09.2011.
30. The PP has submitted that the prior lessee had made NPV payment of a total amount of Rs. 17,64,92,100/- towards NPV (Net Present Value) for the total forest area of 241.77 Ha (i.e., 16,39,79,900/- on 27.05.2014 & 1,25,12,200/- on 20.02.2016) within 1 year of the MoEF& CC notification F. No. 8-78/1996-FC, dated 10.03.2015. Out of the total block area of 246.858 Ha area, forest diversion over an area of 224.63 Ha Forest Land (as per HAL settlement) has been accorded from Ministry of Environment & Forest (MoEF& CC), Govt. of India on 30.01.1997 vide Letter No 8-100/95-FC dated 16.01.1997. Further, as per the condition of Vesting Order & recent MoEF& CC, Govt. of India guidelines, Tata Steel Mining Limited has also paid the NPV of Rs 18,13,29,750/- over entire forest land of 241.77 Ha. Therefore, the proposal is not a violation of FC Act. Again, application has been made for the diversion of total forest land which is under process.
31. The proposal was referred back to SEAC and was again put up in the SEAC meeting held on 12.04.2023. the SEAC reiterates its earlier recommendations in its meeting held on 05-11-2022 for grant of Environmental Clearance with following additional condition:
- i) The proponent shall not carry out any activity including mining in non-diverted Forest area of 18.34 ha. till they obtained Forest Clearance. The proponent shall strictly follow the procedure laid down in guidelines for diversion of forest land issued by MoEF&CC, Govt of India vide F. No. 11-599/2014-FC, dated 01.04.2015.

Whether SEAC recommended the proposal – Yes, the SEAC in its meeting held on 05.11.2022 have recommended for grant of Environmental Clearance with stipulated conditions as per Annexure and following specific conditions.

- i) The mine shall explore implementation of membrane-based technology for removing Hexavalent Chromium from Surface run off & mine drainage water.
- ii) The mine shall take adequate measures to minimize the discharge of waste water to Damsala nallah.
- iii) The project proponent shall monitor analysis of hexavalent chromium in nearby soil and water body periodically and follow mitigation measures if necessary.
- iv) All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.
- The proposal was referred back to SEAC and was again put up in the SEAC meeting held on 12.04.2023. the SEAC reiterates its earlier recommendations in its meeting held on 05-11-2022 for grant of Environmental Clearance with following additional condition:
- ii) The proponent shall not carry out any activity including mining in non-diverted Forest area of 18.34 ha. till they obtained Forest Clearance. The proponent shall strictly follow the procedure laid down in guidelines for diversion of forest land issued by MoEF&CC, Govt of India vide F. No. 11-599/2014-FC, dated 01.04.2015.

Decision of Authority:

After detailed deliberation, the Authority observed the following:

- 1) The Saruabil Chromite Block is an auctioned mines which has been acquired by M/s. Tata Steel Mining Ltd. and a vesting order issued vide letter no. 4174/SM dated 29.05.2020 acquiring all valid rights, approvals, clearance, license with the previous lessee for a period of 2 years from the date of execution of lease deed or till the date of forest approval or clearance. licences.
- 2) As per the MoEF & CC, FC Division vide File no. F.No.11-97/2018-FC dated 08.02.2021 in Para (ii), for undertaking mining operation as per changed land use envisaged in new mining plan, the



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user agency needs to seek prior approval under the Forest (Conservation) Act, 1980 within the stipulated period of 2 years.
In the light of above guideline of MoEF&CC, the PP is required to clarify FC (Part/full) for Saruabil Chharnite Block in their favour from MoEF & CC for further consideration of the proposal.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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AGENDA No.117.03

Proposal No.	SIA/OR/MIN/54634/2020
Date of Application	05.08.2022
File No.	54634/771-MINB1/08-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	1(a)-Mining of Minerals
Name of the Project	Proposal of EC for mining of sand from Rajnagar Sand Quarry Over an area 5.48 Ha bearing Khata No. - 377, Plot No - 1295/1300 in Village - Rajnagar, Tahasil - Jaleswar, District - Balasore of Smt Laxmipriya Prusty.
Name of the company/Organization	Applicant: Smt Laxmipriya Prusty..
Location of Project	Village - Rajnagar, Tahasil - Jaleswar, District - Balasore

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.

- (i) This proposal is for environmental clearance for Rajnagar sand mine at Subarnarekha River bed, over a mining lease area of 5.48ha. located at khata no. - 377, plot no - 1295/1300, village - Rajnagar, Tahasil - Jaleswar, District Balasore with proposed excavation of 40,002 m³/year of sand of Smt. Laxmipriya Prusty.
- (ii) **Category:** This proposal falls under Category "B1", 1(a) - Mining of Minerals as the Mining lease area is more than 5.0 Ha. as per the EIA notification 2006 and its subsequent amendments.
- (iii) The mining lease has been granted to Smt. Laxmipriya Prusty, W/o-Ratikant Rout, resident of Balaramprasad village, P.S-Motanga of Dhenkanal district from Tahsildar cum-Competent Authority, Jaleswar, Dist-Baleswar, Odisha vide letter no.5056 dated 20.11.2019.
- (iv) Mining Plan has been approved by the Directorate of Geology & Mining, Bhubaneswar vide letter No.1061 dated 18.04.2018 for a period of 5 years.
- (v) The quarry has no other mines within 500 meters. It is a new sand quarry.
- (vi) Mining lease is an identified sairat source in the DSR - page no. 35, sl.no. 23 of Annexure I.
- (vii) **Location:** Rajnagar Sand Mine is at bank of Subarnarekha river on Khata No.377, Plot No.1295/1300 at village - Rajnagar, Tahasil - Jaleswar, District - Balasore (Odisha). The geo coordinates are Latitude: 21°48'30.9" N to 21°48'20.9"N & Longitude: E87°12'52.2" to 87°12'43.2"E. The area falls in Survey of India Topo sheet No.73O/1(F45P1).
- (viii) **Connectivity:** The area is approachable by fair weather road. The nearest National Highway is NH - 60 about 3.25km, nearest railway station is at Jaleswar about 1.30km and nearest Airport is Netaji Subhas Chandra Bose International Airport, Kolkata at about 150 km from the mining site.
- (ix) **TOR Details:** SEIAA has issued the Terms of Reference to quarry vide Proposal No SIA/OR/MIN/54634/2020 & letter no.9237/SEIAA, dated 14.10.2020 & File no: 54634/38-MINB1/09-2020.



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- (x) **Public hearing:** Public hearing was conducted on date 11.05.2022 at 10:00AM, in the locality of the sand quarry, near Shikharpur Gram Panchayat Office, under Jaleswar Block under Balasore district.
- (xi) **Issues raised during public hearing for this project** – Operation of the sand quarry as per the Environmental Rules and Regulation, Dust suppression, safety and protection of road during transportation, mode of transportation, cost of Sand, timing of mining and restriction of transportation of sand during night time.
- (xii) **Topography** - The lease area is almost flat land covered with sand, during monsoon season due to heavy flow of water; sand dunes are formed within the lease area. Mining will be carried out at 18mRL upto an maximum depth of 3m; 15 mRL will be the quarry floor at the end of the plan period. The river flows towards NE - SW direction.
- (xiii) **Total Reserves and Mining method:** Geological Reserves of project site is 164400m³ and mineable reserves are 139563m³. As per the mining plan, mining will be by means of opencast manual mining method. The proposed annual production capacity is 40,002cum and total production is 200010cum during the plan period.
- (xiv) **Water Requirement:** The total water requirement for the project estimated to be 5KLD i.e., for dust suppression (2KLD), greenbelt development (1.5KLD) and domestic uses (1.5KLD) and will be sourced from nearby available water resource and for drinking water it will be sourced from tanker.
- (xv) **Waste water generation:** No liquid waste will be generated from mining activities. A small amount of domestic waste water from office toilet will be discharged into the soak pits/septic tank.
- (xvi) **Manpower:** Total manpower of 46 persons will be required for the proposed project.
- (xvii) **Power requirement:** No electricity required for operations of the mining, the mining will be worked out during day time only. The power required for office is minimal, shall be taken from the General Electric supply of the area.
- (xviii) **Greenbelt:** The plantation will be developed in the haul roads and other places. During plan period, it has been proposed by the lessee to plant 200 nos. of saplings, covering 1000sqm. of area.
- (xix) **Baseline study** has been conducted during Post Monsoon Season of 2020 i.e., 01 October 2020 to 31 December 2020. Ambient Air Quality Monitoring made in 8 locations & the results shows the values of PM10 ranges from – 61.2µg/m³ to 89.8µg/m³, PM2.5 – 19.6µg/m³ to 27.8µg/m³, SO₂ – 5.8µg/m³ to 9.9µg/m³, NO_x – 9.2µg/m³ -13.9 µg/m³. Water Quality Monitoring made in 6 locations for ground water and 4 locations for surface water. For ground water all parameters like TDS (322 to 405mg/l), pH (7.24 to 7.86), Chloride (84 mg/l to 101 mg/l), Fluoride (0.21mg/l to 0.40mg/l) etc. are found within permissible limits & fit for consumption and for surface water values of pH (7.24 to 7.56), Chloride (37- 41 mg/l) DO (6.8 to 7.1 mg/l) etc. are found within permissible limits & fit for consumption. Similarly, noise was monitored at 6 locations and value ranges from 34.2dB(A) – 50.5dB(A) during day time and 40.5dB(A) – 67.8dB(A) during night time.
- (xx) **Project cost:** The estimated cost of the project is 10 lakhs. Cost for implementation of EMP is - Capital cost - Rs 145000 and Recurring cost - Rs 75000/annum. The CER budget allotted – Rs. 20,000.
- (xxi) The proponent along with the environment consultant M/s Green Circle Inc, Gujarat, made a detailed presentation before the SEAC on 29.11.2022.
- (xxii) The SEAC in its meeting held on 20.02.2023 opined that this proposal needs further examination. Applied quantity is 40002 cum/annum. Figure given for replenishment in compliance letter is 15950 cum/annum. The Committee could not find replenishment study details in uploaded documents. Quantity to be allowed need to be confirmed. Secondly, there is a NGT case pending for Balasore dist. on DSR. It needs to be examined from that angle also.
- (xxiii) The PP submitted ADS on 10.01.2023 & 03.04.2023.
- (xxiv) Any deficiencies/omission have been noticed in the above documents- NA



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AGENDA No.117.04	
Proposal No.	SIA/OR/MIN/420186/2023
Date of Application	02.03.2023
File No.	420186/68-MINB1/03-2023
Project Type	ToR
Category	B1
Project/Activity including Schedule No.	I(a)-Mining of Minerals
Name of the Project	Proposal of ToR for mining of Decorative Stone from Kurli Decorative Stone Mine over an area of 32.865 acres or 13.300 Ha in village- Kurli Tahasil- Pottangi , District- Koraput
Name of the company/Organization	Applicant: M/s OMM Minerals Industries; Sri.Akshay Bal.
Location of Project	village- Kurli Tahasil- Pottangi , District- Koraput

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.

- (i) This is a proposal of ToR for mining of decorative stone from Kurli Decorative Stone Mine over an area of 32.865 acres or 13.300 Ha bearing Khata No-44, Plot No- 3/Part & 4/Part in village- Kurli Tahasil- Pottangi , District- Koraput by M/s OMM Minerals Industries.
- (ii) The ML area is to be granted for a period of 30 years with effect from the date of execution of the lease deed. The letter of intent for grant of mining lease is issued vide Letter No. 2795/S&M, Bhubaneswar, Dt.29.03.2022 in favour of M/s. OMM Minerals Industries. The mining plan of the project has been approved under Mineral Concession Rule, 2016 and Granite Conservation & Development Rule, 1999 vide letter no – MXXII- (b)-12/2022/1700/DoMG on dated 28.11.2022 by Directorate of Mines, Bhubaneswar, Govt of Odisha.
- (iii) The mining area is a part of Survey of India Toposheet No. 65 J/15 bounded by Latitude: : 18° 25' 30.189" to 18° 25' 50.713" N and Longitude: 82°57'25.604" to 82° 57 '35.343"E.
- (iv) Documents submitted: -Form-1, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, topo map etc.
- (v) Distance from nearest sanctuary/ESZ- Karlapat WLS-137.31km
- (vi) Whether submitted KML file-yes
- (vii) Whether the lease area reflecting in DSR-Yes
- (viii) Whether lease area coming in DLC- No. Certificate submitted by Mining Officer, Koraput circle ,Koraput letter dated 24.01.2023
- (ix) Method of mining-semi mechanized
- (x) Distance from nearest NH-26-16 km, village -0.2 km
- (xi) Whether it is part of cluster – No
- (xii) Whether EC obtained earlier-No.
- (xiii) Date of approval of mining plan- Directorate of Mines, Bhubaneswar on dated 28.11.2022.

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Whether SEAC recommended the proposal – Yes, in its meeting held on 12.04.2023, the SEAC have recommended the following:

- A. Environmental Clearance may be granted for the proposal valid upto lease period for extraction of 1.612cum/ annum of sand as per the replenishment study report with stipulated conditions and following specific conditions as below:
- Amended EIA Notification dated 25th July, 2018, Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India shall be adhered to in execution of Mining.
 - Extraction should be limited to annual replenished quantity in workable area only subject to exclusion of safety zone as per Guidelines for sustainable sand mining, 2016 and Enforcement and Monitoring Guidelines for Sand Mining, January 2020 of MoEF&CC, Govt. of India.
 - Regular replenishment study to be conducted and report to be submitted.
 - Provision of Bio-toilet shall be made at the site.
 - Avenue plantation and plantation on both sides of the haulage road in consultation with/ on the advice of concerned Forest Department, Government of Odisha & W.R. Department Government of Odisha as well.
 - Stone patching with plantation in between along the stretch of the bank associated with sand mining and necessary ramp construction shall be made.
- B. Mining Plan has been approved by the Directorate of Geology & Mining, Bhubaneswar vide letter No.1061 dated 18.04.2018 for a period of 5 years. The validity period of mining plan to be expired on 17.04.2023. The SEIAA may consider to issue Environmental Clearance after the lessee **submits valid approved mining plan beyond 17.04.2023.**

Decision of Authority:

The Authority observed that the following information is required:

- Whether the present lease area is included in the recent approved DSR of Balasore. If, so the sl. no. and page no. to be mentioned along with the xerox copy of the same.
- The validity of mining plan beyond 17.04,2023
- The Authority also perused the email received by SEIAA, Odisha dated 8th April 2023 from Sri Samir Kumar Pradhan and others. The Authority noted that while finalizing the DSR, the district Authority of Balasore had invited comments on the objection from public and also held a public consultation on 31.02.2023. The complain submitted by Sri Pradhan and others do not merits further consideration.

After detailed deliberation in the matter, the Authority decided to deferred the proposal till the proponent submit the information mentioned in sl.no.(i) and (ii).

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA

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Production capacity per annum-5000cum of usable decorative stone with ROM-25000 cum/annum(max.), total production in 5 years period-20000 cum, Volume of waste-80000cum for 5 years, Geological reserve- 13, 93, 876.00cum and Mineable reserve- 5, 50, 968.00cum.

Waste Management- About 70% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically. Therefore, a total of 56000 m³ of waste will be utilized for construction and maintenance of roads and remaining 24000 m³ of waste will be dumped in the proposed temporary waste dump in the earmarked site of 0.144 ha.

- (xvi) Greenbelt Development-500Nos. sapling in an area of 11870Sqmt will be developed for greenbelt in 5 years.
- (xvii) Proposed mining depth as per approved mining plan- 6.0m
- (xviii) 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 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- **No**
- (xix) Any deficiencies/omission have been noticed in the above documents- Nil


Whether SEAC recommended the proposal – Yes, SEAC have already recommended the specific ToR for such proposals(<25Ha) in its meeting dated 17.11.2020 and have also recommended that the SEIAA will consider such proposals in its meeting for issue of ToR.

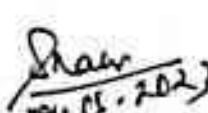
Decision of Authority:

After detailed deliberation the Authority decided to issue both standard and specific Term of Reference (ToR) applicable for decorative stone quarry for EIA studies along with Public Hearing.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



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AGENDA NO.117.05	
Proposal No.	SIA/OR/MIN/407678/2022
Date of application	29.12.2022
File No.	407678/846-MINB2/12-2022
Project Type	New proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Nimapadar Sand Bed over an area of 10.875 acres or 4.401 hectares bearing Khata no. 1472, Plot no. 744 in Village Nimapadar, Tahasil Jagannathprasad, District Ganjam, State Odisha
Name of the company/Organization	Sri Chitrasen Swain S/o-Subash Chandra Swain At/Po-Mentapur, BDpur, Ps-Jagannathprasad, Dist-Ganjam
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	N/A

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.
- (ii) This is a proposal for mining of sand from of Nimapadar Sand Bed over an area of 10.875 acres or 4.401 hectares bearing Khata no. 1472, Plot no. 744 in Village Nimapadar, Tahasil Jagannathprasad, District Ganjam, State Odisha.
- (iii) The mining area is a part of Survey of India Toposheet No. E459(74A/9), bounded by Latitude: 19°52'55.46" N to 19°53'3.12" N and Longitude: 84°41'13.46" E to 84°41'29.60" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Nimapadar Sand Bed sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Jagannathprasad to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, Form-2, PFR, EMP, checklist, and approval letter, 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/- submitted through e-Challan no. 3380C8A094 dt. 03.12.2022
- (viii) Distance from nearest sanctuary/ESZ- Lakahri Valley WLS-58.00 km
- (ix) Whether the lease area coming in DLC report-N/A
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Manual
- (xii) River-Burha Nadi, depth of sand deposition-1.0 meter
- (xiii) Distance from nearest road bridge-0.80 km, village road -0.70 km
- (xiv) Whether it is part of cluster -No.
- (xv) Whether EC obtained earlier-Yes, and submitted EC compliance
- (xvi) Date of approval of mining plan- the Joint Director of Geology, South Zone, Berhampur on 15.11.2022.
- (xvii) Production capacity per annum-3015 cum/annum (max.), total production in 5 years period-15075 cum, Geological reserve-25688 cum and Mineable reserve-20650 cum.



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- (xviii) As per mining plan the approved depth for mining-**0.146 meter.**
(xix) 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
(xx) Any deficiencies/omission have been noticed in the above documents- Nil

The proposal was placed in the 112th meeting of SEIAA and was decided that after detailed deliberation, the Authority observed that the mining plan is prepared and approved for extraction of sand with 0.146-meter depth whereas geological as well as mineable reserve for the Nimapadar Sand Bed is 1.0 meter. After detailed deliberations, the Authority decided **to seek clarification** from concerned Tahasildar/RQP why mining plan is prepared so thin mining i.e., 0.146 m depth and whether it is practically viable. Now the PP has submitted the ADS / clarification for consideration of EC.

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 13.01.2023 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:

The Authority observed that the mining plan is prepared and approved for extraction of sand with 0.146meter depth whereas geological as well as mineable reserve for the Nimapadar Sand Bed is 1.0 meter. After detailed deliberations, the Authority decided **to seek clarification** from concerned Tahasildar why mining plan is prepared with mining depth of 0.146 m and whether it is practically viable.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
03.05.2023



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AGENDA NO.117.06	
Proposal No.	SIA/OR/MIN/422858/2023
Date of application	21.03.2023
File No.	422858/902-MINB2/03-2023
Project Type	New proposal for EC
Category	B2 as individual and B1 as cluster (total lease area for cluster-5 is 243.19 acres or 98.42 Ha)
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Dankari Black Stone Quarry No.6/11 over 7.00 ac or 2.833 Ha in Village Dankari Dharmasala Tahasil in the District Jajpur.
Name of the company/Organization	Sri Mahendra Swain S/o-Baidhar Swain At-Khapuria, Po-Madhupatna, Dist-Cuttack
Location of Project	Village Dankari Dharmasala Tahasil in the District Jajpur
ToR Date	N/A
Name of the Consultant	N/A

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.
- (ii) This is a proposal for mining of stone from Dankari Black Stone Quarry No.6/11 over 7.00 ac or 2.833 Ha in Village Dankari Dharmasala Tahasil in the District Jajpur..
- (iii) The mining area is a part of Survey of India Toposheet No. 73L/1, bounded by Latitude: 20°50'32.96" N to 20°50'41.17" N and Longitude: 86°02'09.25" E to 86°02'06.20" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Dankari Black Stone Quarry No.6/11 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, D.L.C., Form-2, PFR, EMP, checklist, and approval letter, 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. 1000/- submitted through e-Challan no. 35A0409685 dt. 21.03.2023
- (viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-30.00 km
- (ix) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Dharmasala vied his letter no. Nil dated 24.06.2021
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Semi-mechanized
- (xii) Distance from nearest road bridge-16.8 km, village road -2.23 km, Nischinta RF-0.02Km
- (xiii) Whether it is part of cluster -Yes, total lease area under cluster is 98.42 Ha for which already EIA & EMP approved by SEAC and accordingly, letter was by SEIAA, Odisha vide letter no. 2336/SEIAA dated 31.08.2021 to the PP to apply individual application for EC.
- (xiv) Whether EC obtained earlier-No

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- (xv) Date of approval of mining plan- the Deputy Director of Geology, Bhubaneswar on 22.04.2023.
- (xvi) Production capacity per annum-5106 cum/annum (max.), total production in 5 years period-25583 cum, Geological reserve-191657 cum and Mineable reserve-127478 cum.
- (xvii) As per mining plan the approved depth for mining-6.0 meter.
- (xviii) 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 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- (xix) The EMP cost is 1.20 Lakh/annum
- (xx) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.08.2021 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:

After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to 5106 cum in 1st year and 5106 cum in the 2nd year. Grant of EC for further period will be considered after submission of approved DSR by SEIAA 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 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,50,000/-, with the respective District Environment Society for raising 300 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.1.20Lakhs/year as Capital Cost & recurring cost, as proposed within the first three years of start of mining activities.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
09.05.2023



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AGENDA NO.117.07	
Proposal No.	SIA/OR/MIN/419224/2023
Date of application	24.02.2023
File No.	419224/887-MINB2/03-2023
Project Type	New proposal for EC
Category	B2 as individual and B1 as cluster (total lease area for cluster-1 is 55.79 Ha)
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Anjira Black Stone Quarry No.14 over 5.00 ac or 2.023 Ha in Village Anjira Dharmasala Tahasil in the District Jajpur.
Name of the company/Organization	Sri Deeinder Malhotra(Director) Utkal Mines and Infrastructure Pvt. Ltd. Plot No. 5-2-36, Mancheswar Industrial Estate, Bhubaneswar
Location of Project	Village Anjira Dharmasala Tahasil in the District Jajpur.
ToR Date	N/A
Name of the Consultant	N/A

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.
- (ii) This is a proposal for mining of stone from Anjira Black Stone Quarry No.14 over 5.00 ac or 2.023 Ha in Village Anjira Dharmasala Tahasil in the District Jajpur.
- (iii) The mining area is a part of Survey of India Toposheet No. F45U1, bounded by Latitude: 20°46'39.18" N to 20°46'46.86" N and Longitude: 86°02'17.36" E to 86°02'10.46" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Anjira Black Stone Quarry No.14 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, D.L.C., Form-2, PFR, EMP, checklist, and approval letter, 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. 1000/- submitted through e-Challan no. 3363F0979D dt. 20.07.2022.
- (viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-13.00 km
- (ix) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Dharmasala via his letter no. Nil dated 06.02.2023
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Semi-mechanized
- (xii) Distance from nearest road bridge-0.48 km, NH-53 road -0.50Km, Village road-208 meter
- (xiii) Whether it is part of cluster -Yes, total lease area under cluster is 55.79 Ha for which already EIA & EMP approved by SEAC on 03.08.2021 and accordingly, letter was by SEIAA, Odisha vide letter no. 2327/SEIAA dated 31.08.2021 to the PP to apply individual application for EC.
- (xiv) Whether EC obtained earlier-No



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- (xv) Date of approval of mining plan- the Deputy Director of Geology, Bhubaneswar on 24.02.2023.
- (xvi) Production capacity per annum-30008.08 cum/annum (max.), total production in 5 years period-150040.8+ cum, Geological reserve-329784 cum and Mineable reserve-185508 cum.
- (xvii) As per mining plan the approved depth for mining-6.0 meter.
- (xviii) 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 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- (xix) The EMP cost is Rs. 738600/- (Capital Cost) and Rs. 127950/- (Recurring Cost)
- (xx) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.08.2021 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:

After detailed deliberations, the Authority decided to grant **Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to 30008.08 cum in 1st year and 30008.08 cum in the 2nd year. Grant of EC for further period will be considered after submission of approved DSR by SEIAA 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 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,50,000/-, with the respective District Environment Society for raising 300 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs. 73,8600 as Capital Cost & Rs. 127950/- as Recurring Cost, as proposed within the first three years of start of mining activities.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


07.05.2023
Chairman, SEIAA



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AGENDA NO.117.08	
Proposal No.	SIA/OR/MIN/425438/2023
Date of application	09.04.2023
File No.	425438/805-MINBI/03-2023
Project Type	New proposal for EC
Category	B1 as individual and B1 as cluster (total lease area for cluster-5 is 243.19 acres or 98.42 Ha)
Project/Activity including Schedule No.	I(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Dankari Black Stone Quarry No.01 over 41.50 ac or 16.795 Ha in Village Dankari Dharmasala Tahasil in the District Jajpur.
Name of the company/Organization	Tahasildar, Dharmasala
Location of Project	Village Dankari Dharmasala Tahasil in the District Jajpur
ToR Date	03.06.2020
Name of the Consultant	N/A

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.
- (ii) This is a proposal for mining of stone from Dankari Black Stone Quarry No.01 over 41.50 ac or 16.795 Ha in Village Dankari Dharmasala Tahasil in the District Jajpur.
- (iii) The mining area is a part of Survey of India Toposheet No. 73L/1,73L/2, 73H/13 & 73H/14 bounded by Latitude: 20°47'03.42" N to 20°47'21.51" N and Longitude: 86°01'41.09" E to 88°02'10.88" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Dankari Black Stone Quarry No.01 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, D.L.C., Form-2, PFR, EMP, checklist, and approval letter, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (vi) Whether submitted KML file of the lease area-Yes
- (vii) Whether submitted scrutiny fee-N/A
- (viii) Distance from nearest sanctuary/ESZ- Kapilash WLS-30.00 km
- (ix) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Dharmasala vide his letter no. Nil dated 22.02.2023
- (x) Whether the lease area reflecting in DSR-Yes
- (xi) Method of mining-Semi-mechanized
- (xii) Distance from nearest road bridge-16.8 km, village road -3.0 km, Nischinta RF-0.25Km
- (xiii) Whether it is part of cluster -Yes, total lease area under cluster is 98.42 Ha for which already EIA & EMP approved by SEAC and accordingly, letter was by SEIAA, Odisha vide letter no. 2336/SEIAA dated 31.08.2021 to the PP to apply individual application for EC.
- (xiv) Whether EC obtained earlier-No
- (xv) Date of approval of mining plan- the Deputy Director of Geology, Bhubaneswar on 14.02.2023.

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- (xvi) Production capacity per annum-150080 cum/annum (max.), total production in 5 years period-750257.92cum, Geological reserve-1760913 cum and Mineable reserve-1130361.8 cum.
- (xvii) As per mining plan the approved depth for mining-6.0 meter.
- (xviii) 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 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- (xix) The EMP cost is 1.20 Lakh/annum
- (xx) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.08.2021 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:

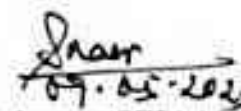
After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to 150080 cum in 1st year and 150080 cum in the 2nd year. Grant of EC for further period will be considered after submission of approved DSR by SEIAA 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 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.8,50,000/-, with the respective District Environment Society for raising 1700 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.1.20Lakhs/year as Capital Cost & recurring cost, as proposed within the first three years of start of mining activities.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
09.05.2023



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AGENDA NO.117.09	
Proposal No.	SIA/OR/MIN/423067/2023
Date of application	24.03.2023
File No.	423067/905-MINB2/03-2023
Project Type	New proposal for EC
Category	B2 as individual and B1 as cluster (total lease area for cluster-7 is 104.77 acres or 42.40 Ha)
Project/Activity including Schedule No.	1(a) Mining of Minerals
Name of the Project	Proposal for grant of EC for Rahadpur BSQ 10 over an area of 2.83 Ha in village Rahadpur, Dharmasala Tahasil, Jajpur.
Name of the company/Organization	Sri Sai Construction
Location of Project	village Rahadpur, Dharmasala Tahasil, Jajpur.
ToR Date	03.06.2020
Name of the Consultant	N/A

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.
- (ii) This is a proposal for mining of stone from Rahadpur BSQ 10 over an area of 2.83 Ha in village Rahadpur, Dharmasala Tahasil, Jajpur..
- (iii) The mining area is a part of Survey of India Toposheet No. F45U1 bounded by Latitude: 20°45'57.49" N to 20°46'5.61" N and Longitude: 86°01'32.31" E to 86°01'38.35" E.
- (iv) The mining lease is an identified sairat source in the DSR. The Rahadpur BSQ 10 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dharmasala to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (v) Documents submitted: -Form-1, D.L.C., Form-2, PFR, EMP, checklist, and approval letter, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (vi) Whether submitted KML file of the lease area-Yes
- (xxi) Whether submitted scrutiny fee- Yes, of Rs. 1000/- submitted through e-Challan no. 35A06156F2 dt. 24.03.2023
- (vii) Distance from nearest sanctuary/ESZ- Kapilash WLS-10.00 km
- (viii) Whether the lease area coming in DLC report-No, as certified by Tahasildar, Dharmasala vide his letter no. Nil dated 07.03.2023
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized
- (xi) Distance from nearest road bridge-5.46 km, village road -0.75 km, Nischinta RF-0.50Km
- (xii) Whether it is part of cluster –Yes, total lease area under cluster is 42.40 Ha for which already EIA & EMP approved by SEAC and accordingly, letter was by SEIAA, Odisha vide letter no. 2340/SEIAA dated 31.08.2021 to the PP to apply individual application for EC.
- (xiii) Whether EC obtained earlier-No
- (xiv) Date of approval of mining plan- the Deputy Director of Geology, Bhubaneswar on 20.09.2023.
- (xv) Production capacity per annum-56280 cum/annum (max.), total production in 5 years period-281410 cum, Geological reserve-489845.6 cum and Mineable reserve-489845.6 cum.
- (xvi) As per mining plan the approved depth for mining-6.0 meter.



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- (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 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others)- No
- (xviii) The EMP cost is 1.75 Lakh/annum
- (xix) Any deficiencies/omission have been noticed in the above documents- Nil


Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 03.08.2021 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:

After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to 56280 cum in 1st year and 56280 cum in the 2nd year. Grant of EC for further period will be considered after submission of approved DSR by SEIAA 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 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.1,50,000/-, with the respective District Environment Society for raising 300 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.1.75Lakhs/year as Capital Cost & Recurring Cost, as proposed within the first three years of start of mining activities.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
09.05.2023



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AGENDA NO. 117-10	
Proposal No.	SIA/OR/CMIN/299041/2023
Date of application	29.03.2023
File no.	SIA/OR/CMIN/294782/2022
Project Type	Proposal for Amendment of EC
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Amendment of EC of Nadira under found coal mining project of 0.33 MTPA in ML area 370 ha of M/s. Mahanadi Coldfield Ltd. Located in village Jambubahali, Danara, Badajorada and Natedi, Tahasil-Talacher, Dist-Angul(Odisha)
Name of the company/Organization	M/s. Nandira UG Mahanadi Coalfields Ltd.
Location of Project	Odisha
ToR Date	N/A
Name of the Consultant	M/s. Central Mine Planning and Design Institute Limited, Ranchi

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) This is a proposal for amendment of EC of Nadira under found coal mining project of 0.33 MTPA in ML area 370 ha of M/s. Mahanadi Coldfield Ltd. Located in village Jambubahali, Danara, Badajorada and Natedi, Tahasil-Talacher, Dist-Angul(Odisha).
 - (ii) The project proponent has obtained EC from MoEF & CC vide EC letter no. F. No. J-11015/866/2007-IA(M) dated 2nd May, 2022 for Nadira under round coal mining project of 0.33 MTPA in ML area 370 ha of M/s. Mahanadi Coldfield Ltd. Located in village Jambubahali, Danara, Badajorada and Natedi, Tahasil-Talacher, Dist-Angul (Odisha).
 - (iii) In the EC letter dated 15th November, 2020 there is an EC conditions point no. 4. (i) in page no. 02 that "Construction of Sewage Treatment Plant (latest technology SBR/MBBR/MBR) should be completed by July 2021 and treated water shall be reused for plantation. As documentary proof, STP photograph after its commission to be submitted to RO, MoEF & CC with copies of its CTE and CTO" and point no. 4. (ii) that "Grant of CTO to the project shall be subject to fulfilment of condition no.1"
 - (iv) Operation status- non-operation
 - (v) Now, the PP has requested for amendment of EC on the point that Construction of STP by July' 21, earlier proposal for time line extension was submitted to MoEF&CC and the same was considered in 17th EAC meeting held on 09-10th August 2021 and further in 28th EAC held on 01st April 2022. Accordingly, the time line for construction of STP was extended earlier till April' 22 and further till Dec'22 vide EC letter dtd. 16-09-21 and 02-05-2022 respectively. Since instead of all efforts the STP is work is not going to be completed by Dec'22 therefore, the current proposal is for amendment in EC for further extension of timeline for another 4 months i.e. till April'23.
 - (vi) The proposal was placed in 105th SEIAA, Odisha meeting held 05/01/2023 and after detailed deliberations, the Authority **decided to allow for amendment of EC** vide letter no. F. No. J-11015/866/2007-IA(M) dated 2nd May, 2022 on point no. 4. (i)&(ii) for further extension of timeline for another 4 months i.e. till April 2023 for completion of the STP.



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- (vi) Now, the applied application for further extension of timeline till September 2023 for completion of the STP.
- (vii) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 24.04.2023 and the SEAC recommended the proposal for amendment of EC for further extension of timeline for another 4 months i.e, till September 2023 for completion of the STP.

Decision Of Authority:

The Authority observed that there is a specific conditions in the extension of validity of EC issued by MoEF & CC, Govt. of India dated 15th November, 2020 that in point no. 4. (i) in page no. 02 that

- (i). Construction of Sewage Treatment Plant (latest technology SBR/MBBR/MBR) should be completed by July 2021 and treated water shall be reused for plantation. As documentary proof, STP photograph after its commission to be submitted to RO, MoEF & CC with copies of its CTE and CTO.

- (ii). Point no. 4(ii) Grant of CTO to the project shall be subject to fulfilment of condition no. (i)''

In spite of this, the PP has been granted extension for this condition upto April 2023 by SEIAA, Odisha as per the request of PP. The PP vide their letter no. GM(TA)/ENVT/NDR/EC/2022-23/32 dated 22.03.2023 has submitted online application seeking further time extension for compliance to the above specific conditions issued by MoEF & CC but there is no new reason mentioned why it could not be completed within April 2023. Also, there is no assurance that the MoEF & CC condition will be complied within September 2023.

Therefore, the Authority **decided that no further extension is tenable** and the PP should submit full compliance of MoEF & CC conditions 4(i) & (ii) dated 15th November, 2020.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


09.05.2023
Chairman, SEIAA

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AGENDA NO.117.11	
Proposal No.	SIA/OR/MIN/ 42806/2023
Date of application	28.03.2023
File No.	423806/69-MINB1/03-2023
Project Type	New 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 Ambadahara Stone Quarry over an area of 6.0 Ha. at village Ambadahara under Banspal Tahasil of Keonjhar district of Sri Sapan Kumar Sahu (Tahasildar).
Name of the company/Organization	Tahasildar Banspal
Location of Project	Ambadahara under Banspal Tahasil of Keonjhar
ToR Date	17.06.2021
Name of the Consultant	N/A

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.

- (i) This proposal is for Environmental Clearance of Ambadahara Stone Quarry over an area of 6.0 Ha. at village Ambadahara under Banspal Tahasil of Keonjhar district of Sri Sapan Kumar Sahu (Tahasildar).
- (ii) **Category:** As per the EIA Notification, 2006 and its subsequent amendments, this project falls in category B under Schedule of activity I(a)- Mining of Minerals.
- (iii) The quarry is not auctioned yet, and is in name of Tahasildar, Banspal. After obtaining environmental clearance, the quarry will be auctioned and transferred in favour of Successful bidder.
- (iv) The Mining plan of Ambadahara Stone Quarry has been approved for a period of five years by The Joint Director of Geology, Keonjhar, vide letter no-312/CZ, dated 25.01.2021. The quarry will be mined for five years. The total proposed rate of production is 42000 cum/ Annum.
- (v) 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 28.01.2020. Earlier, EC was granted by SEIAA, Odisha vide letter no SEIAA/284 dated 14.01.2016. The proposed land doesn't come under DLC and the land belongs to AAA while the kisam of land is Patharbani.
- (vi) **TOR details:** Terms of Reference (TOR) was granted by SEIAA, Odisha vide letter no. 1517 dated 17.06.2021.
- (vii) **Public hearing details:** The public hearing was held in respect of Environmental Impact assessment of Ambadahara Sand Quarry over 6.0 hectares of Tahasildar, Banspal at Ambadahara-village, Banspal-Tahsildar, Keonjhar-District held on 09.11.2022 at 11.00 am at village-Ambadahara, Khata No.41(AJA), Plot No.428, KISSAM-BIALI. Issues raised during public hearing are adverse impact on nearby houses due to blasting, dust resistance in surroundings affecting public due to quarrying activities and transportation, depletion of ground water leading to water scarcity, dewatering of mine pit & reclamation, operation of stone quarry as per the Govt. norms, employment of locals for livelihood, compensation for agriculture & house damage and provision of five bore wells. Budget earmarked for action plan of public hearing is

Rs. 25 lakhs.

Location and connectivity: The proposed project is located in Ambadahara - village over an area of 6.0 Ha. under Banspal-Tahasil in Keonjhar district, Odisha. The quarry Lease area, lies between Latitude of 21° 37' 57.0" N to 21° 38' 7.4" N and Longitude of 85° 32' 6.0 " E to 85° 32' 13.1" E. The lease area is located in survey of India Topo Sheet No. F45N/10 bearing Khata no 42(AAA) and Plot no. 543. The nearest village of the quarry lease area is Anjar in 1.25km. The main connectivity of the lease area for transportation is NH-49 (Keonjhar Road) at 1.25 km. The nearest railway station from the quarry lease area is Kendhujhargarh at 9.67 km. The study area falls under Seismic zone-II. There are no National parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant reserves present within 10km of the applied mine lease area. Nearest reserves forest is Gandhamardan Protected forest located at 2km away from the project site.

- (ix) **Topography and Drainage:** The quarry area over 6.0 ha. is undulated terrain. This mining area is confined with Non- Forest Government land. Drainage system in the region is dendritic. There is no human settlement within the area. No stream is passing through the lease. The mine drainage will be controlled by construction of garland drains along the lease periphery and settling tanks. OB dump location has been selected up gradient side of the lease so that drainage would not pass through the dumping area. The mine drainage ultimately disposed off to the nearby river located in the northeast.
- (x) **Baseline details:** Baseline study was carried out during March 2021 to May 2021. The results are the following.
- Air Environment:** Ambient Air quality of the study area has been monitored at 8 locations for 12 air quality parameters. The AAQ analysis indicates that the concentration of PM₁₀ varied from 46 to 66 $\mu\text{g}/\text{m}^3$, PM_{2.5} from 25 to 58 $\mu\text{g}/\text{m}^3$, SO₂ from <4 to <8.8 $\mu\text{g}/\text{m}^3$, NO_x from <9 to <13.9 $\mu\text{g}/\text{m}^3$.
 - Surface water:** pH values varied between 6.9 to 7.1 while Dissolved Solids varied from 86 to 93 mg/L, Dissolved oxygen varies from 7.1 to 7.3 mg/L, BOD varied from 1.5 to 1.7 mg/L and Chloride values varied between 11 to 12 mg/L. Iron values varied from 0.24 to 0.27 mg/L, Manganese values varied from 0.01 to 0.02 mg/L. Sulphate values varied from 11.2 to 12.8 mg/L and Nitrate values varied from 1.2 to 2.2 mg/L. Zinc 0.10 to 0.11 mg/L. Total Coliform varies from 144 to 235 MPN/100 ml.
 - Ground water:** pH values varied between 7.2 to 7.4 while Dissolved Solids varied between 182 to 196 mg/l and total hardness varied from 86 to 92 mg/l. Chloride values varied between 6.2 to 7.1 mg/l. Calcium values varied between 26.0 to 27.1 mg/l while Magnesium values varied between 5.2 to 6.5 mg/l, Sulphate values varied from 2.3 to 2.8 mg/l and Nitrate values varied from 3.2 to 3.8 mg/l. Zinc values < 0.05 mg/l & Boron <0.01 mg/l.
 - Soil environment:** Soil of the study area is acidic in nature. The bulk density of soil samples varies from 1.42 to 1.6 gm/cm³, while porosity varies from 40.36 to 42.1 %. The pH of the soil samples ranged from 6.6 to 7.1. Nitrogen content ranged from 0.06 % to 0.96 %. Potassium content ranged from 0.12 % to 0.19%.
 - Noise environment:** Noise monitoring was carried out at 8 locations as per the standard prescribed by CPCB. Noise level monitoring was carried out continuously for 24 hours at one hour interval starting at 06:15 hrs to 05:15 hrs next day once in a month for 3 months during the study period, at all locations. Average Noise level varies from 46.9 to 51.5 dB (A) during Day time and 38.8 to 43 dB (A) during Night time, which are below the prescribed limits of CPCB.
- (xi) **Total production and reserves:** Total quarry lease area is 6.0 ha. of non-forest Government land, and the lease is going to work within the said area for 5 years. Average annual quantity



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of road metal is 25,200cum. The total geological reserves have been estimated as 3,23,799m³. Mineable reserves are estimated at 2, 21,085m³.

Year	Volume (m ³)	Production of Road Metal (m ³)	Waste (m ³)
1 ST	42,000	25,200	16,800
2 ND	42,000	25,200	16,800
3 RD	42,000	25,200	16,800
4 TH	42,000	25,200	16,800
5 TH	42,000	25,200	16,800
TOTAL	2,10,000	1,26,000	84,000

- (xii) **Mining method:** Mining operations will be carried out by semi-mechanized opencast mining method. The topsoil will be used for greenbelt development and mine waste will be stacked separately, will be used as road building material. Conventional method of mining will be adopted in lease 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°. Wagon drilling will be carried out & blasting will be done on contract basis. Deep & short hole blasting will be carried out with the help of slurry as explosive and shock tube will be used as accessories for loosening the hard rock. A total of 84,000 m³ of waste will be generated during this plan period. Mined out material will be loaded into the dumpers with the help of JCB and will be send to the nearby established crusher outside the lease area and finally the material of commercial use as per the demand of the market will be transported by Covered trucks / dumpers to its destination.
- (xiii) **Waste Generation and Disposal:** Total waste rejects of 84,000 m³ of waste will be generated in Ambadahara Stone Quarry which will be dumped temporarily at the north-east corner part of the lease area over 1951 m². And it will be subsequently utilized for road construction and maintenance during the plan period. During the plan period, a total of 1,26,000cum stone will be extracted.
- (xiv) **Other than Mineral rejects, Solid Waste will be developed from the quarry as per the table below.**

Sl. No.	Type	Quantity Kg/day	Disposal Method
i)	Biodegradable Waste (organic)	9.18	Municipal bin including food waste
ii)	Non- Biodegradable waste	6.12	APPCB authorized recyclers
Total		15.3	

- (xv) **Water requirement:** As mentioned in EIA, water requirement is 5 KLD for Ambadahara Stone Quarry, from which 1 KLD of water will be required for drinking & domestic purposes. 2 KLD of water is suggested to be utilized for dust suppression and 2 KLD for plantation purposes. Water will be sourced from the nearby village through tankers and rainwater harvesting from the existing quarry.
- (xvi) **Wastewater management:** Domestic wastewater will be disposed into septic tank followed by soak pit. Soak pit will be cleaned periodically.
- (xvii) **Greenbelt:** A total of 345 no. of native species will be planted during the plan period

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in Ambadahara Stone Quarry. Rs.3,00,000/- is allocated for afforestation in environmental management plan. It is proposed to take-up plantation work during the first two years of operation of the quarry. During the plan period local species like Neem, Chakunda etc. is proposed to be planted at 2.5 m spacing.

- (xviii). **Traffic Density:** Traffic density study has been carried out on hourly basis for 24 hours continuously, once during the study period at 4 locations. It is observed that during the study period, traffic density is mainly higher during the daytime. Composition of vehicles reveals those heavy vehicles constitute-32.55 %, medium vehicles 16.50 %, light vehicles 19.60 % and others 31.35 %.
- (xix). **Manpower:** Total manpower of 34 people will be required for the proposed project. Mine workers will be engaged from the nearby villages.
- (xx). **Project cost:** Estimated cost of the proposed project Ambadahara Stone Quarry is Rs. 80,00,000/-. Cost of Environment Management Plan (EMP) includes a capital cost Rs. 6.0 lakhs and recurring cost of Rs. 2.0lakhs as mentioned in EIA.
- (xxi). The Environment consultant M/s EHS360 Labs Pvt Ltd (EHSL), Chennai - 68 along with the proponent made a presentation on the proposal before the Committee.
- (xxii). The SEAC recommended for grant of Environmental Clearance with stipulated conditions as per **Annexure – A** and following additional condition:
- 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.
 - Trees within mining lease area should not be cut and transplanted in safety zone.
- Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 24.04.2023 and the SEAC recommended the proposal for grant of EC.

Decision of Authority:


After detailed deliberations, the Authority decided to **grant Environmental Clearance** with usual stipulated conditions as applicable for stone quarry.

- Maximum depth of mining 6.0 meter and maximum quantity of extraction shall be limited to 40005 cum in 1st year and 40005 cum in the 2nd year. Grant of EC for further period will be considered after submission of approved DSR by SEIAA 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 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- The Project Proponent (lease holder) shall deposit Rs.3,00,000/-, with the respective District Environment Society for raising 600 plants (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining to quarry.
- The PP will implement the EMP with a budgetary allocation of Rs.6.00Lakhs as Capital Cost & Rs.2.00lakhs/year- as Recurring Cost, as proposed within the first three years of start of mining activities.


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


09.05.2023
Chairman, SEIAA



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AGENDA No.117.12

Proposal No.	SIA/OR/IND1/406696/2022
Date of Application	16.11.2022
File No.	406696/36-IND1/12-2022
Project Type	EC
Category	B1
Project/Activity including Schedule No.	3(b)-Cement Plants-All Standalone Grinding units.
Name of the Project	Proposal for EC for proposed Construction of Greenfield Project for installation of Cement Grinding Unit of capacity 3.0 MTPA (1.5 MTPA in Phase-1 & 1.5 MTPA in Phase-2) at Village – Byree, Tahasil – Darpan, District – Jajpur, Odisha by M/s. My Home Industries Pvt. Ltd
Name of the company/Organization	Applicant: M/s. My Home Industries Pvt. Ltd.
Location of Project	Village – Byree, Tahasil – Darpan, District – Jajpur
ToR Date	27.12.2021

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.

- (i) This is a proposal of EC for proposed Construction of Greenfield Project for installation of Cement Grinding Unit of capacity 3.0 MTPA (1.5 MTPA in Phase-1 & 1.5 MTPA in Phase-2) for production of PSC, CC, PPC & OPC at Village – Byree, Tahasil – Darpan, District – Jajpur, Odisha by M/s. My Home Industries Pvt. Ltd. The configuration of the proposed project based on Vertical Roller Mill Technology.
- (ii) The proposed site is located at Village – Byree, Tahasil – Darpan, Jajpur District of Odisha. The site falls under Survey of India toposheet no. F45U2 with Latitude: 20°36'43.97"N to 20°37'32.71"N & Longitude: 86°01'20.00"E to 86°01'34.55"E.
- (iii) Location & Accessibility: The proposed site is located at Village – Byree, Tahasil – Darpan, Jajpur District of Odisha. The site falls under Survey of India toposheet no. F45U2 with Latitude: 20°36'43.97"N to 20°37'32.71"N & Longitude: 86°01'20.00"E to 86°01'34.55"E. The general terrain in the area proposed for the cement grinding unit is non-forest barren land. The topography of the project site is mostly levelled with scattered undulations. The nearest railway station is the Byree Railway Station, approximately 1.55 km from the project site in NE-direction. The nearest airport is Biju Patnaik International Airport, Bhubaneswar which is 45.65 km from the project site in SW-direction. The nearest town is Cuttack at a distance of 21.55 km from the project site in SW-direction. NH-16 is the nearest national highway passing nearby the site at a distance of 3.68 km from the site in E-direction.
- (iv) Land Requirement: The project area will be setup over an area of 63.23 Acres (25.59 Ha). The proposed land is Govt. land will be leased out from IDCO. About 21.29 Ha. of land has already been leased out from IDCO. The balance land acquisition is under process. There is no



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Involvement of forest Land Greenbelt / Plantation will be developed over an area of 21 Acres of land. The land use break-up is given in table below.

S.No.	Particulars	Area (in Acres)	Area (in Ha.)
i)	Plant & Machinery Area		
ii)	Building area for plant & machinery	4.60	1.86
iii)	Internal Concrete Road	6.00	2.43
iv)	Internal Railway Siding	4.50	1.82
v)	Water Reservoir/Rainwater Harvesting	0.30	0.12
vi)	Truck Parking	0.60	0.26
vii)	Greenbelt Area	21.00	8.50
viii)	Vacant Area	26.23	10.60
	TOTAL	63.23	25.59

- (v) **Plant Configuration:** The table below details out the plant configuration and production capacity:

Table 2: Plant Configuration along with production capacity

Unit	Capacity (MTPA)		Product Mix
	Phase-1	Phase-2	
Cement Grinding Unit (Vertical Roller Mill)	1.5	1.5	PSC, CC, PPC & OPC

- (vi) ToR Details :Proposed project falls under "Category B" as per the notification issued on 14th September 2006 by MoEF& CC. SEAC granted TOR for the proposed project vide letter no3701/SEIAA dated 27.12.2021.
- (vii) Public Hearing was conducted on 05.08.2022 at venue Jagannath Temple Field (Khata No. 1298, Plot No. 4228) in Byree Village, Jajpur, Odisha. Major issues were Environment protection, local area development and local employment and budget allocated towards public hearing issues is Rs. 15 crores.
- (viii) The baseline data has been collected during summer Season (March-2021 to May-2021). and all the monitored data for ambient air quality,water(ground & surface) quality, noise quality & soil quality are well within the prescribed standard limits of MoEF&CC,Gol guidelines & CPCB guidelines.
- (ix) **Process Technology:** The proposed cement grinding unit of 3.0 MTPA capacity is envisaged to make use of the latest technology of Vertical Roller Mill (VRM). It has become the standard for grinding raw materials in the cement manufacturing process. VRM is a compact unit, making the footprint of the installation smaller and reducing civil engineering costs when compared to the ball mill system. Power consumption by VRM is also relatively low compared to other classic grinding technologies. The raw material grinding capacity of VRM is also very high. Therefore, considering these enumerated benefits, the management decided to rope in the VRM Technology for this proposed Grinding Unit.
- (x) The annual production of cement is targeted at 1.5 MTPA during phase-1 and total 3.0 MTPA after completion of phase-2.
- (xi) **Raw Material Requirement:**

Sl. No.	Raw Material	Quantity (TPA)	Source	Mode of Transport
1.	Clinker	18,63,000	MHIPL, Telangana	Road/Rail
2.	Gypsum	1,50,000	Coromandel Fertilizer, Vizag / PPL, Paradeep	Road/Rail
3.	Fly Ash	3,72,000	TATA Steel Kalinga Nagar	Road/Rail
4.	BF Slag	6,15,000	TATA Steel Kalinga Nagar	Road/Rail



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Coal	1,32,000	MCL, Talcher	Road/Rail
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- (xii) Green belt: About 8.5 Ha of the total project area will be covered under green belt & plantation. A 5-year afforestation scheme has been planned to develop over an area of 8.50 Ha with 1500 saplings/ha. Native plant species will be planted in consultation with local horticulturist such as Neem, Gulmohar, Ashoka, Shisham, Jamun etc.
- (xiii) Water requirement: The total water requirement for the proposed plant is estimated at 90 KLD. The water requirement will be met from the ground water through bore well. The treated water will be used in greenbelt development.
- (xiv) Wastewater generation: As the proposed plant will be operated on the dry process and air is used as cooling media, no wastewater will be generated from the process. The domestic sewage to the tune of 12 KLD will be generated which will be treated in STP of 15 KLD capacity. The treated water will be reused in greenbelt development and road washing.
- (xv) STP: Sewage Treatment Plant (STP) of capacity 15 KLD will be installed for treatment of domestic wastewater in Plant.
- (xvi) Power requirement: During construction phase, the power required will be 0.5 MW, which will be sourced from OPTCL/TPCODL. The grinding unit will require 12 MW (Phase-1: 10 MW + Phase-2: 2 MW) during operation phase to run the entire unit smoothly, which shall be supplied by OPTCL / TPCODL. In case of emergency or power failure or maintenance shut down, MHIPL has proposed for 1 no. of D.G. Set of 320 KVA for power back-up.
- (xvii) Manpower: Direct and indirect employment will be generated due to the proposed project. During operational phase, 200 temporary and 100 permanent employments will be generated.
- (xviii) Project Cost: The total investment for the proposed project works out to approximately Rs. 600 Crores (Phase-1: Rs. 410 Crores + Phase-2: Rs. 190 Crores). Environment Management Protection Cost includes Capital Cost of Rs. 9 Crores and Recurring Cost of Rs. 0.45 Crores/annum.
- (xix) The proponent along with the consultant M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar, made a detailed presentation before the SEAC on 23.12.2022.
- (xx) The PP submitted ADS to SEAC on 22.02.2023.
- (xxi) Any deficiencies/omission have been noticed in the above documents- Nil

Whether SEAC recommended the proposal – Yes, in its meeting held on 27.03.2023, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions in addition to the following specific conditions.

- The settling tank shall be designed considering the peak of daily rainfall obtained from the long-term rainfall data series available for the region. The excess water if discharged outside should meet the prescribed water quality standards.
- The proponent shall maintain "Zero Liquid Discharge (ZLD)" concept as proposed.

Decision of Authority:

- The Authority perused the EIA & EMP report submitted by PP and observed that the mitigation measure maintained in respect of emission, fugitive emission, stack emission, noise, land, water is not site specific. The PP is required to submit site specific EIA & EMP based on the location specific conditions.
- The budgetary allocation under action plan for uses raised during public hearing has been done on adhoc manner without mention of any physical attributes of the proposal. The public hearing action plan must contain specific intervention with both physical and financial parameters which can be monitored and verified.
- Detail plan needs to be submitted for transportation of raw materials i.e. Clinker from Telegana, Gypsum from Vizag & Paradeep, Fly Ash & BF Slag from Kaling Nagar Tata Steel and Coal from Talcher along with pollution abatement measures to be undertaken by PP. The project

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envisioned about 300 trips/day truck of cement will be transport by road. The PP needs to explain why railway is not proposed for this project. The PP needs to explain why transportation through railway is not proposed for the project.

The PP is required to furnish pointwise response to the issues mentioned in the complaint petition dated 19.12.2022 received by SEIAA, Odisha against the proposed project. (Copy enclosed).

After detailed deliberation in the matter, the Authority decided to defer the proposal till the PP submit the above information.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


09-05-2023
Chairman, SEIAA



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AGENDA NO.117.13	
Proposal No.	SIA/OR/INFRA2/413593/2023
Date of Application	24.01.2023
File No.	413593/104-INFRA2/01-2023
Project Type	EC
Category	B2
Project/Activity including Schedule No.	8(b) Township & Area Development projects
Name of the Project	Proposal of M/s Paltronics Allied Industries Pvt.Ltd;Sri Aman Agrawal (Director) for proposed construction of 1no. Block of (2B+S+33), 5 nos. Blocks of (2B+S+29), 1 no. Block of 2B+G+2 (Club House), 'Multistoried Residential Apartment' over Revenue Plot No.- 309/1694 of Plot area 20234.26 Sqmt, with Total Builtup area- 1,85,262.81 Sqmt at Mouza- Patia, Tahasil-Bhubaneswar, District-Khordha
Name of the company/Organization	Applicant: M/s Paltronics Allied Industries Pvt.Ltd;Sri Aman Agrawal (Director)
Location of Project	Mouza- Patia, Tahasil-Bhubaneswar, District- Khordha
Name of the Consultant	M/s Centre for Envotech and 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. This proposal is for environmental clearance of M/s. Paltronics Allied Industries Private Limited for multi-storied residential apartment & club house building over a built-up area of 185262.81 m² at Plot No. 309/1694, Khata No.474/5 at Patia Mouza of Khordha District of Sri Aman Agrawal.
2. **Category:** As per EIA Notification, 2006 and its subsequent amendments, this proposed project falls under category B1 and activity 8 (b) – Townships and Area Development projects.
3. Terms of Reference (TOR) was issued vide online proposal no. SIA/OR/IND2/78683/2022 on dated 03/11/2022.
4. **Location and connectivity:**The proposed site is located at Plot No. 309/1694, Khata No. 474/5 at Patia Mouza of Khordha District, Odisha. The geographical co-ordinates of the project site is Latitude – 20° 21' 32. 68" N & Longitude – 85° 49' 36. 64" E and the area comes under Survey of India Toposheet No- 73H/15.Site is flat land with average elevation of 28-32 msl. Project site connects Shikharchandi road in South direction and Nandankanan road in East direction. Patia railway station and Bhubaneswar new junction railway station are at 36pprox.. 2.1 km, NE and 2.3 km SE respectively. Biju Patnaik International Airport is at 36pprox.. 12 km in South direction. There is no structure or encroachments on the site. The project site is connected with National Highway NH-16 towards E at a distance of 6.57km. The site is located adjacent to the local landmarks such as Institute of Higher Secondary Education Capital, Law College, Utkal University etc. Nearest river is Kuakhai River at 4.3km.
5. **Land requirement and Areasummary:** The total plot area of the project site is 20234.26 sq m and built-up area of 1,85,262.81 sq m. Project involves development of 1 No. 2B+S+33, 5 Nos 2B+S+29 residential building and 2B+G+2 club house building.

Table: Area Summary



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Particular	Description
Plot Area	20234.26 Sqm
Road Affected Area	14.89 Sqm
Net Plot Area	20219.37 Sqm
Ground Coverage	6301.72 (31.16% net plot area)
Total FAR area	138791.82 Sqm(@6.86 of net plot area) including club
Total Built up area	185262.81 Sqm
Maximum Height	116.55 m
Road affected Area	14.89 sqm
Parking Area	42,000 Sqm
Green Belt Area	5970 sqm (29.50 % net plot area)
Power/Electricity Requirement & Sources	TPCODL – 8000 KVA
No. of DG sets	3 no. Of DG set of Total 4250 kVA (1750 kVA X 2 + 750 kVA)
Water requirement & Sources	332 KLD (Fresh)
Sewage Treatment & Disposal	STP Capacity 560 KLD
Estimated Population-Residential, Floating/visitors	Residential – 3480 nos. Staffs- 70 nos. Visitors- 70 nos.
Project Cost	688 crores

6. **Water requirement/STP:** The total water requirement of the project during operational stage is 481KLD, out of that the freshwater requirement is 332 KLD, will be sourced from Bore well and the recycled water is 143 KLD. No Objection Certificate for Ground Water Abstraction was obtained with NOC No. CGWA/NOC/INF/ORIG/2022/17086, valid from 22/11/2022 to 21/11/2027. Waste water generation will be 442 KLD and proposed STP capacity will be 560 KLD. (Revised water balance submitted by PP – Revised Water Balance shows fresh water requirement – 247KLD and discharge to sewer is 98 KLD (non-Monsoon period) and 134KLD (Monsoon period) STP 350KLD)

Category	Population/Area(sq m)/Capacity	Standard (LPCD)	Water Requirement	Fresh Water Requirement	Recycled Water requirement
Domestic					
Residents	3480	135	470	329	141
Staff	70	45	3	2	1
Visitors	70	15	2	1	1
Total Domestic Water Demand			475	332	143
Landscap e	5645.34 sq. m	3l/day	6	0	6
Total		-	481	332	149

7. **Sewage generation:** Sewage generation from the site is expected to be 442 KLD which will be treated in STP of capacity 560 KLD proposed to be constructed at the site. Treated water from the STP will be used for flushing and horticulture purpose. STP will be provided with MBBR/FAB Technology.

8. **Rainwater harvesting:** Run-off from the site will be collected and recharged into ground through 24 nos. of RWH pits (mentioned in ADS). Ground water level in project area is 37pprox., 5.0 to 10.0 m bgl during pre-monsoon season and 5.0 to 10.0 m bgl during post-monsoon season. Diameter of

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the recharge bore will be 38 approx. 4.5-6" and depth will be 38 approx. 12 m. Run-off generation from site without development is 38 approx. 24483.51 cum. The rooftop rain water will be collected through various diameter PVC pipes and connected to the external drainage network. There are several infiltration chambers within the project site which are finally connected to the recharge well for ground water recharge.

9. **Parking details:** Adequate parking will be provided to accommodate the expected vehicles during operation phase of the project in line with the requirement of Local Building by Laws. Parking area required is 41,637.55 sqm. Parking required as per BDA is 41637.546 Sqm. Provide Parking Area is 42104.18 Sqm (Upper Basement parking-16533.55Sqm & Lower Basement parking is 16825.63 Sqm and UB Mechanical Parking is 5445.0 Sqm.) LB Mechanical Parking is 3300.0 Sqm.

Parking Area Provided	Area (Sqm)	ECS
Upper Basement	16533.55	-
Lower Basement	16825.63	-
UB Mechanical Parking	5445.0	363
LB Mechanical Parking	3300	220
Total Parking Area	42104.18	583

10. **Solid waste generation:** Total solid waste generation will be 1813 Kg/Day. Out of which Recyclable waste will be 575 Kg/Day and Non-Biodegradable waste 1238 Kg/Day. Landscape waste will be 0.12Kg/Day. STP Sludge generation will be 45Kg/day.

S. No	Description	Occupancy/Area	kg/capita/day	Total Solid Waste Generation (kg/day)	Recyclable (kg/day)	Non-Recyclable (kg/day)
i)	Residents	3480	0.5	1740	522	1218
ii)	Staff	70	0.25	17.5	5.25	12.25
iii)	Visitors	70	0.15	10.5	3.15	7.35
iv)	Landscape waste	1.39 acres	0.2kg/acres	0.12	0	0.12
v)	STP sludge	442 KLD	--	45	45	0
Total Waste generated				1813	575	1238

11. **Baseline details** – Baseline study was collected during the month of October-December 2022 and all the monitored data for ambient air quality, water (ground & surface) quality, noise quality & soil quality are well within the prescribed standard limits of MoEF&CC, Gol guidelines & CPCB guidelines. Following are the observations.
12. **Power requirement:** The total consolidated electrical load estimate for proposed project is about 8000.0 KW. Solar power generation will be 66 KW with 206 nos of solar plates. Power backup in case of grid failure 1 by 3 nos. of DG set of 4250KV A capacities.
13. **Greenbelt:** Green belt will be developed over an area of 5970.0 Sqm (29.50 %) of the plot area; by planting 253 nos. of the local species like Neem, Bel, Gooseberry, Acacia, Chakunda etc.
14. **Project cost:** The project cost is estimated to be Rs.688 Crores and budgetary provision of EMP is Rs.159 Lakhs as capital cost & Rs.49 Lakhs as recurring cost with Rs.0.9 Cr. Allocated for CSR.
15. The Environment consultant M/s P & M Solution, Noida along with the proponent made a presentation on the proposal before the Committee on 17.02.2023.
16. The sub-committee of SEAC visited the proposed site on 24.03.2023 and the observations are as follows:



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PP and Consultant were present along with other team members. It was observed that the site is adjacent to the road.

- b) The site was cleaned excepting an unused, small house, which the PP informed that the same will be demolished (condition to be kept in EC)
- c) The road had drain and the excess treated water to be connected to same with BMC permission (Condition to be kept in EC)
- d) Trees are there in all sides and they need to add trees to increase green belt as per norm.
- e) Traffic report vetted by KIIT was shown with LOS: C
- f) Positioning of DG set and Stack along with the height of stack to be maintained as per Environment norm.
- g) Documents asked during presentation needs to be submitted.

17. The PP submitted ADS on 20.04.2023.

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

Whether SEAC recommended the proposal – Yes, in its meeting held on 24.04.2023, the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions in addition to the following specific conditions as follows.

- i) "Khatian" (Patta after Mutation) for the entire land from the appropriate Revenue Authority with 'Kisam' as Gharabari shall be obtained along with ownership before which construction work shall not start. 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.
- ii) The Proponent shall obtain permission from the appropriate authority for discharge of excess treated water if any to the nearest existing drain. 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. For construction of drain, the land shall be made encroachment free by the appropriate authority and drain shall be constructed thereafter with required permission including permission to discharge treated water.
- iii) The Wildlife Conservation Plan shall be prepared at the cost of user agency and vetted by the Chief Wildlife Warden for protection of Schedule-I species present in the study area if any. The progress of its implementation shall be submitted.
- iv) The proponent shall use solar energy of 5% with installation of PV cell of required capacity.
- v) Positioning of DG set and Stack along with the height of stack to be maintained as per Environment norm.
- vi) Since, existing structure is there and the proposed building will be constructed demolishing the existing structure, the proponent shall obtain permission from concerned authority for demolishing the existing structure.
- vii) The Construction and Demolition waste to be generated during demolition of existing structure shall be managed as per Construction and Demolition Waste Management Rules, 2016.
- viii) To reduce discharge of treated water to open drain, the proponent shall use more water for increased number of trees proposed to be planted in the green belt area & shall also utilize this treated water for car washing, floor washing to minimize the surplus discharge to drain.
- ix) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- x) The project proponent shall implement green belt of minimum 20% (peripheral plantations), excluding land scrapes. This is mandatory and shall be complied and shall be verified.
- xi) Rain water harvesting shall be designed considering the maximum rainfall of a year and accordingly, number of RWH shall be implemented.
- xii) All the compliances submitted/ committed by PP (s) shall be strictly adhered to by them.



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Decision of Authority:

The Authority observed that the Patia area is already congested with high risers and other dwelling units without proper management of traffic, drainage and sewerage. Addition of further multi-storied apartment without its impact on traffic, drainage, water and waste water treatment will not be in the public interest. Before taking any decision, it is necessary to study the area development plan of BDA for Patia area and its neighbouring area. Therefore, the Authority decided to defer the proposal.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA
09.05.2023