



Minutes of 163rd Meeting of SEIAA, Odisha held on 18.04.2024 & 19.04.2024

PARIVESH I.O, AGENDA No.163.01

Proposal No.	SIA/OR/INFRA2/432620/2023
Date of application	11.07.2023
File no.	-
Project Type	New EC proposal
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for EC of M/s. Devavrat Homes Private Limited for proposed Residential Project [B+S+9] multi storied Residential apartment with 2 nos. of Block. MIG group Housing block over Revenue Plot No.:- 1002/5921, 1004, 1005, 1009, 909/6301, 910, 911 Khata No.725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983. The Total built up area of 34992.83 sqm & Total plot area - 8794.59 Sqm / 2.180 Ac /0.872 Ha at Kalarahanga, Bhubaneswar, District – Khorda, Odisha of Smt. Sunita Choudhary
Name of the company/Organization	M/s. Devavrat Homes Private Limited Smt. Sunita Choudhary
Location of Project	at Kalarahanga, Bhubaneswar, District – Khorda, Odisha
ToR Date	N/A
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. This proposal is for Environmental Clearance of M/s. Devavrat Homes Private Limited for proposed Residential Project [B+S+9] multi storied Residential apartment with 2 nos. of Block. MIG group Housing block over Revenue Plot No.:- 1002/5921, 1004, 1005, 1009, 909/6301, 910, 911 Khata No.725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983. The Total built up area of 34992.83 sqm & Total plot area - 8794.59 Sqm / 2.180 Ac /0.872 Ha at Kalarahanga, Bhubaneswar, District – Khorda, Odisha of Smt. Sunita Choudhary.
2. **Category:** As per EIA Notification, 2006 and its subsequent amendments, the proposed project falls under Item of Schedule to the EIA Notification, 2006 – category “B” or activity 8 (a): Building and Construction Projects.
3. **Location and Connectivity:** The proposed project is located at Plot No.: - 1002/5921,1004,1005,1009,909/6301,910,911, Khata No.: 725/3514, 725/5380, 725/543, 725/1689, 725/5027, 725/5019, 725/4983 at Mouza-Kalarahanga, Dist-Khorda, Odisha bearing Toposheet no: F45T15 and kissam of land is Gharabari. Geo-coordinates of project site is 20°21'56.84"N 85°50'23.75"E to 20°21'56.55"N 85°50'23.76"E. Site is flat land with average elevation of 20-25 m AMSL. Project site is well connected with New Bhubaneswar road which connects to Nandankaman Road at the distance of 1.6 km East direction. Proposed project site also connects to NH-16 (7.96-SE) to the project site. Site connects to Bhubaneswar puri Highway-316 at a distance of 7.76 km in South East direction. Bhubaneswar New railway station is 1.6 km away in North. Bhubaneswar railway station is 10.87 km away in South. Biju Patnaik International Airport 12.74 km in South West. Chandaka RF is 9.94 km (W) And Nandankanan Zoo is 3.32 km (NNW)

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The site is coming under Bhubaneswar Development Authority

5. The total plot area is 8794.59 Sqm / 2.180 Ac /0.872 Ha, with total built-up area 34992.83 sqm.

6. The Building Area Details of the Project in tabulated form:

Total Built Up Area	34992.83 m²
Total FAR Area	26910.68 m²
F.A.R	3.059

LULC OF PROJECT SITE	AREA IN SQM	%
Ground floor coverage area	3083.09	35.06
Area for Internal Roads	2963	33.69
Others area	873.3	9.93
Greenbelt Area	1875.2	21.32
TOTAL	8794.593	100

FLOOR WISE AREA DETAILS

Floor	MIG	Parking	Others	Total Building Area
Basement	197.42	3897.61	66.9	4161.93
Stilt	68.67	2899.83	114.59	3083.09
1st Floor	2960.51		122.58	3083.09
2nd Floor	2960.51		122.58	3083.09
3rd Floor	2960.51		122.58	3083.09
4th Floor	2960.51		122.58	3083.09
5th Floor	2960.51		122.58	3083.09
6th Floor	2960.51		122.58	3083.09
7th Floor	2960.51		122.58	3083.09
8th Floor	2960.51		122.58	3083.09
9th Floor	2960.51		122.58	3083.09
	26910.68	6797.44	1284.71	34992.83

Total FAR Area	26910.68 m ²
F.A.R	3.059
Maximum height of building	Block-1 (for MIG)-29.20 m (B+S+9)
Total no. of Dwelling Units	267 MIG Units
No. of Floors	(Basement)+Stilt+9)
Total no. of Dwelling Units	267 MIG Units

7. **Water requirement:** Total water requirement for the project is 187 KLD which will be sourced from Municipality Supply/ CGWA. Total Fresh Water requirement is 123 m³/day. Total Flushing Water requirement is 64 m³/day. Total Water requirement is 187 m³/day (fresh water + flushing water).

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Sl. No.	Name of Building	No. Of Blocks	Total No. of Units	Type of unit with capacity	Occupancy	Total Water in Lped	Fresh water @90 LPCD	Flushing water @45 LPCD	Waste Water Generate in Ltr.			Total
									From Domestic Use	From Flushing	Total Waste Water Generated	
1	Block-A	1	267	2BH K-45 @5	225	30375	20250	10125	16200	9112.5	25312.5	20250
				3BH K-222 @5	1110	149850	99900	49950	79920	44955	124875	99900
2	Floating Population				134	6030	2680	3350	2144	3015	5159	4127.2
	Total	1	267		2629	186255	122830	63425	98264	57082.5	155347	124277
						187 KLD	123 KLD	64 KLD	99 KLD	57 KLD	156 KLD	124 KLD

8. **Waste water generation and management:** Waste water generation from the proposed project is 156 m³/day. Treated water recovered is 124 m³/day. Reuses of treated water 124 m³/day in dry seasons. 50 KLD of water will be discharge to nearest drain only during rainy season. Waste water will be treated in a STP having capacity 200 KLD.
9. Presently there is no municipal (PHED) water supply system located near our project site. Hence the daily fresh water requirement will be met through ground water during the operation phase. When public supply water system is available around the project site, then supplied water will be used to meet the daily fresh water requirement. NOC from Public Health Division regarding water supply and Sewerage Connection to the proposed project VIDE LETTER NO. 18298 On dated 21.12.2022.
10. **Power requirement:** Total power requirement for the proposed project is 1500 KW /1 no of 200KVA DG sets. Source will be from TPCODL (TP CENTRAL ODISHA DISTRIBUTION LIMITED). There is provision of Power backup for the residential project will be through DG sets of total capacity 1 No. 200 KVA silent DG Set. Height of the DG Set Stack will be 32.3 m.

Power Requirement	1500 KW
Power backup	200 KVA
Renewable energy	75 KW

11. **Solar generation details:** The Solar Power Demand For Campus area Light , Main Gate Light will be 75 KW (5% of total demand)

12. **Rain Water Harvesting:**

Rain Intensity		120	MM/Hr	
Retention Time		15	Min	
Sl No	Location	Area	Run off Co-efficient	Run Off Per Hr
1	Roof Top	3,083	0.9	333
2	Road (Paver Block)	2,963	0.7	249
Sl No.	Location	Area	Run off Co-efficient	Run off per Hr.
3	Others	873	0.3	31
4	GREEN BELT	1,875	0.3	68
TOTAL		8794.59		613
Run Off For 15 Min				153
Volume				24.7
No. of Recharge pit REQUIRED				9.22
No. of Recharge pit Proposed				16

13. **Parking Requirement:** FAR Area is 26910.68 sqm. Parking required is 25% of total FAR Area i.e., 6727.66 sqm. Parking area provided=8075 sqm (more than 30 % of total FAR Area) Total ECS provided - 328 nos. For 4 wheelers-273 nos. & 2 wheelers-270 nos.

FLOOR AREA	F.A.R AREA	Parking (As approved in BMC PLAN) SQM	PARKING PROVIDED AREA
BASEMENT FLOOR	197.42 SQM	3897.61 SQM	4042.00 SQM
STILT FLOOR	68.97 SQM	2899.83 SQM	4051.00 SQM
	TOTAL	6797.44 SQM	5.0 QM

14. **Green Belt Development:** Green belt will be developed over an area of 1875.32 sqm which is 21.32% of the total plot area. Total no. of plants to be planted - 160 numbers, spacing between plants - Approx. 2-3m & 2 tier plantation.

15. **Solid Waste Management:** Total solid waste generation will be 1,183 Ton/day. The solid waste generated from project will be mainly domestic in nature and the quantity of the waste will be 0,808 Ton/day. Solid wastes generated will be segregated into biodegradable 294 T/Day. The biodegradable organic wastes will be treated inside the premises by OWC (Organic Waste Converter), having capacity of 300 kg/day. Recyclable and non-recyclable wastes will be disposed through Govt. approved agency.

16. **Project cost:** The estimated project cost is 60 crores and cost for EMP is capital cost is 94 Lakhs Annually and recurring cost 5.55 Lakhs.

Source	Capital Cost (In Laes)	Recurring Cost (In laes)
Landscaping	10	1

Rain Water Harvesting	11	0.3
Solid Waste Management	10	0.5
STP	50	2.5
Acoustic Enclosure & DG Set Stack	10	0.5
Environmental Monitoring	3	0.75
Total	94	5.55

17. **Environment Consultant:** The Environment consultant M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar along with the proponent made a presentation on the proposal before the Committee on 31.07.2023.

18. The SEAC in its meeting held on dated 31-07-2023 recommended the following:

The proponent may be asked to submit the following for further processing of EC application:

- i) Details of road connectivity to the project site with layout.
- ii) Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water to drain.
- iii) Revised water balance with revised calculation of waste water and STP details. Quantity of sludge generation to be calculated.
- iv) Traffic Study Report to be submitted duly vetted by institute of repute.
- v) Detailed drainage plan, internal drainage details, drainage permission with supporting documents applied for NOC for drainage from concerned authority.
- vi) Copy of all statutory clearances applied/obtained.
- vii) Detailed calculation of greenbelt with breakup and dimensions.
- viii) Layout plan and width of road for movement of Fire Tender.
- ix) Copy of fire recommendations.
- x) Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.
- xi) Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits, STP bottom and the reduced level of ground water during rainy season and summer season are adequate for effective recharge of collected rainwater, to avoid contamination of waste water with recharge rain water. Submit details of water table level, basement reduced level, and reduced level of STP bottom. Layout plan to be submitted.
- xii) Parking in terms of space and ECS for 4 wheelers, 2 wheelers to be calculated separately for dwellers & visitors (floating population) indicating the norm as well and showing it in the layout map & be submitted.

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

- i) Environmental settings of the project site.
- ii) Construction activity, if any started at the site.
- iii) Road connectivity to the project site.
- iv) Drainage network at the site.
- v) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vi) Any other issues including local issues.

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

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	Details of road connectivity to the project site with layout.	Details submitted in compliance report.	-

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3.	Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water to drain.	Details submitted in compliance report.	-
3.	Revised water balance with revised calculation of waste water and STP details. Quantity of sludge generation to be calculated.	Total Fresh Water requirement is 123 m ³ /day. The detailed water requirement is in compliance report.	50KLD Treated water will be discharged into drain in Monsoon season only. In Non monsoon period it is ZLD.
4.	Traffic Study Report to be submitted duly vetted by institute of repute.	Traffic report has been submitted duly vetted from O/UTR, Bhubaneswar (Formerly CET Bhubaneswar)	Based on the traffic study conducted at the three locations, it was found that the LOS is 'A' during peak hours for Entry Gate of Project Site; LOS is "B" during peak hours at Patia Station Square and LOS is "A" during peak hours at intersection of approach road to Project Site & Injana-Singada Road. LOS during peak hours for horizon year-2027 for road near Entry Gate of Project Site is "A", for road at Patia Station Square is "B" and for intersection of approach road to Project Site & Injana-Singada Road is "A".
5.	Detailed drainage plan, internal drainage details, drainage permission with supporting documents applied for NOC for drainage from concerned authority.	Small maps of drainage plan, internal drainage details alongwith copy of Permission/NOC from Superintending Engineer, Public Health Division, BBSR for water supply and sewerage connection has been submitted.	-

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6.	Copy of all statutory clearances applied/obtained.	FIRE NOC, BMC Approval and Permission for electricity, water supply and drainage has been submitted.	-
7.	Detailed calculation of greenbelt with breakup and dimensions.	The greenbelt area is 1875.32 sqm. (21.32% of the plot area) for plantation(160nos.) Breakup and dimensions not provided as the whole area is kept for greenbelt as seen in layout.	-
8.	Layout plan and width of road for movement of Fire Tender.	Width of the road 6meters. Master layout plan for project area and parking layout plan shows the movement of Fire Tender.	-
9.	Copy of fire recommendations.	Copy of Fire recommendations is submitted.	-
10.	Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.	The Solar Power Demand For Campus area Light , Main Gate Light will be 50 KW (2% of total demand).	-
11.	Ensure that the differences between the reduced level of the bottom of rainwater harvesting pits, STP bottom and the reduced level of ground water during rainy season and summer season are adequate for effective recharge of collected rainwater, to avoid contamination of waste water with recharge rain water. Submit details of water table level, basement reduced level, and reduced level of STP bottom. Layout plan to be submitted.	Road Level Inside Project Roads – 103.57 Basement Floor Level-103.67 Road Level In Front Of Our Project- 102.30 STP Top level – 103.57 STP Floor – 99.32 Bottom Level Rain Water Harvest Pit- 98.57 Ground Water Level In Dry Season- 89.07 Ground Water Level In Monsoon Season- 95.00	-
12.	Parking in terms of space and ECS for 4 wheelers, 2 wheelers to be calculated separately for dwellers & visitors (floating population) indicating the norm as well and showing it in the layout map & be submitted.	Total ECS is 328/8075 sqm 4 wheelers- 273, 2 wheelers – 270. Details is in compliance report.	-

20. The proposed site was visited by the Sub-Committee of SEAC on 21.08.2023. Following are the observations of the Sub-Committee of SEAC:

- a) PP and consultant team were present and explained the layout.
- b) There are no construction activities undertaken at project site except a part of compound wall foundation to protect the approach road to site.
- c) The site is connected with a public concrete road.

PP stated that they have applied to BMC for provision of road side drain which is to be constructed in future otherwise they will construct drain by the side of the road till connecting the natural nullah which is at about 700m distance from site.

PP has to submit either the NOC from concerned road authority for construction of road side drain by PP connecting the natural nullah or the document from appropriate authority in support of their planning for construction of such road side drain as well as NOC for allowing excess rain water/ treated water from this project site to this road side drain.

- f) The PP has to submit the layout showing the drainage network starting from building site to natural nullah. The drain design needs to be prepared and approved by appropriate authority considering the data of RLs of bottom of drain at strategic locations and invert level of natural nullah, the run off calculations during highest rain fall, so that the area is not flooded with rain water during heavy rainfall. The maximum ground water level vs proposed ground level, the parking area, RWI etc (after construction) needs to be considered taking into account the maximum rainfall of the area for adequate structural stability.
- g) PP need to submit the documents in support of building approval application, Fire NOC / recommendations, firefighting provisions and fire corridor.

Considering the information furnished and the presentation made by the consultant, **M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar** along with the project proponent,

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – B** in addition to the following specific conditions. However, SEIAA, odisha may consider to issue EC after the project submit an undertaking in form of legal affidavit that they make necessary arrangement to adopt zero Liquid discharge and / or construct drain for discharge of treated water after acquiring land (Govt. or Private land) obtaining permission and possession as the case may be before going for construction of the project as there is no existing drain nearby as observed during site visit and also same has been informed by the concerned authority to the Project proponent.
- i) 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/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
 - iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
 - iv) The proponent shall obtain permission from concerned Fire Safety Authority.
 - v) Trees located within the project area shall be transplanted to alongside the boundary green development area.
 - vi) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
 - vii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
 - viii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
 - ix) The proponent shall obtain permission from Water Resources department, Odisha for use of ground water.
 - x) The PP shall ensure permissions for discharge of treated / excess rain water in drains constructed by them / or BMC before starting the construction work.
 - xi) The project proponent has to obtain necessary permission from the CGWA / CGWB/ water resource department along with other conditions related to portability of the ground water for use of ground

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water during the operational phase of the project till WATCO supply of water is made available at the project site

Decision Of Authority: ADS

The authority observed that the site is in low lying and waterlogged area and there is no drainage system in the area. Further, there is no road network plan in the locality except the canal bund road. After detailed deliberation in the matter, the authority decided to seek clarification / documents as follows:

- i) The PP is required to submit the drainage plan of the project as well as the adjoining site along with permission from BMC for discharge of treated waste water outside the project area.
- ii) The road network plan providing access to the project site being proposed by BMC/BDA needs to be furnished.
- iii) An undertaking as proposed by SEAC to be submitted by the PP.

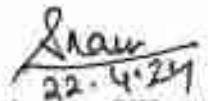
APPROVED BY



Member Secretary, SEIAA



Member, SEIAA



Chairman, SEIAA



PARIVESH I.O, AGENDA No.163.02

Proposal No.	SIA/OR/INFRA2/427980/2023
Date of application	30.05.2023
File no.	-
Project Type	New EC proposal
Category	B
Project/Activity including Schedule No.	8(a) Building & Construction
Name of the Project	Proposal for EC of M/s Sahej Towers Pvt. Ltd for Proposed Residential Building of '7S+22' storied over an built-up area 33364.526 sqm at Mouza- Patia, Tahasil- Bhubaneswar, Dist- Khordha of Sri Ujjwal Singh
Name of the company/Organization	M/s Sahej Towers Pvt. Ltd Sri Ujjwal Singh, PP
Location of Project	at Mouza- Patia, Tahasil- Bhubaneswar, Dist- Khordha
ToR Date	N/A
Name of the Consultant	M/s Right Source Solution Pvt. Ltd.

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 Sahej Towers Pvt. Ltd for Proposed Residential Building of '7S+22' storied over an built-up area 33364.526 sqm at Mouza- Patia, Tahasil- Bhubaneswar, Dist- Khordha of Sri Ujjwal Singh.
2. **Category:** The project falls in item 8(a) of Building and construction project as per the EIA Notification, 2006 and 2009 and subsequent amendments thereof of MoEF & CC.
3. **Project Details:** The proposed construction is a multi-storeyed Residential Building comprising of 1 no. (one) block which is of configuration 7S+22 Floors over a total plot area of 4046.86 Sqm or 1.00 Acre in favour of M/s Sahej Towers Pvt. Ltd. The multistoried residential project will be developed at Plot No- 306/1813, Khata No- 474/101 in Mouza- Patia, Tahasil - Bhubaneswar of Khordha district. A finished structure of previous land owner of approx. 130 sqm builtup area is present in the plot area which will be dismantled after obtaining EC of the proposed proposal.
4. **Location and connectivity:** The proposed residential building project site is located at Plot No. 306/1813 in Khata No. 474/101, Mouza- Patia, Tahasil- Bhubaneswar, Dist- Khordha, Odisha. The location of the project area can be seen in Survey of India Topo sheet no. F45T15. The geographical co-ordinates of proposed project site is bounded between Latitude 20^o 21' 16.36" N to 20^o 21' 18.08" N and Longitude 85^o 49' 43.97" E to 85^o 49' 44.99" E. The Project site comes under Bhubaneswar Development Authority. The project site is not located within ESZ, ESA and CRZ area. The project site is connected to NH-16 at a distance of 6.5 km and Nandankaran Road at a distance of 0.2 km. The residential project is easily approachable and commercially viable as the project site is connected to an external PWD road with a road width of 24.0 m. A 60.0 m wide C.D.P road is proposed which is connected to the existing PWD road. Adjacent roads of 11.0 m wide in the western side and 7.0 m wide in the eastern side of the boundary of the proposed project is present.
5. **Area Details:**

S. No	Details of Land Use	Area in Sqm
1.	Plot Area	4046.86
2.	Net Site Area	3395.28



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3.	Total Proposed FAR Area	23617.504
4.	Total Proposed Non-FAR Area	9747.022
5.	Total Built-up Area	33364.526
6.	Total Green Area	877.82
7.	Height of the Building	109.05 Mts

6. Approval from Bhubaneswar Development Authority, Bhubaneswar vide Letter No- 17629/BMC, Bhubaneswar dated 13-04-2023 has been received by the project proponent.
7. NOC for water supply is obtained vide NOC No. CGWA/NOC/INF/ORIG/2023/18347, valid from 26/04/2023 to 25/04/2028.
8. **Power requirement:** The daily power requirement for the proposed residential project is assessed to be 1548.72 KW which will be fed from 800 KVA transformer (2 Nos.) and sourced from TP Central Odisha Distribution Limited. Provision of DG set having 450 KVA capacity (2 Nos.) for power back up in the residential complex proposed. Solar power contribution will be 10.3% (160 KVA) which will be generated from solar panels.

Description	Energy Required (KW)	Energy Saved (KW)	Energy Saved (KW) in %
Compact Fluorescent Lamp (CFL)	152	152	13.7
Light Emitting Diodes (LED)	78		
Conventional Street Lights	3.12	2.88	
Solar Street Light	2.88		
Electrical Water Heaters	198	58	
Solar Water Heaters	87		
Other Energy Requirements	1027.72	-	
Total Energy Requirement in Project	1548.72	212.88	

9. **Water requirement:** The total water requirement of the project during occupational stage is 136 KLD, out of that the fresh water requirement is 83 KLD will be sourced from Bore well and the recycled water is 53 KLD.

Sl. NO.	REQUIREMENT	QUANTITY (KLD)
1	Domestic Water	83
2	Flushing Water	39
3	Gardening	3.5
4	Fire, S.Pool & Others	10.5
Total		136

10. **Wastewater/STP details:** It is expected that the project will generate approx. 101 KLD of wastewater. The wastewater will be treated in onsite STP of 125 KLD capacity. The treated effluent will be reused for flushing, greenbelt and miscellaneous uses. Surplus treated effluent will be discharged to existing drain near the project site.

11. **Parking details:** The total parking required for the project is 5904.376 sqm and the total parking area provided is 7342.37 sqm. Visitor's parking provided is 734.23 sqm. In terms of ECS @ 32 Sqm: Cars 136 + E.V. Parking 70 = 206 ECS. Bike parking - 234 Nos. D.A. Parking - 2Nos.

Total parking Required @ 25% of FAR area	5904.37 Sqm
Total Parking Provided	7342.34 Sqm
First Stilt Parking (Ground Floor Parking)	911.89
Second Stilt Parking (First Floor Parking)	1101.93
Third Stilt Parking (Second Floor Parking)	1147.31



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Fourth Stilt Parking (Third Floor Parking)	1145.96
Fifth Stilt Parking (Fourth Floor Parking)	990.16
Sixth Stilt Parking (Fifth Floor Parking)	1046.65
Seventh Stilt Parking (Sixth Floor Parking)	998.44

- 12. Rainwater harvesting:** The total no. of rain water harvesting pits provided is 14.0 nos. and volume of rainwater to be harvested will be 78.75 Cum. Peak hourly rainfall has been considered as 140 mm/hr. The recharge pit of dimensions diameter 1.8 m and depth 3.0 m is constructed for recharging the water.
- 13. Fire fighting installations:** Fire fighting system will be installed as per recommendation of Odisha Fire Service Department and as per the guideline of NBC. NOC for the same is applied to and is in process.
- 14. Green belt development:** Green belt will be developed over an area of 877.82 Sqm (25.85 %) of the plot area; by planting 85 nos. of the local species like *Aracaceae*, *Copressus Sempervirens*, *Washingtonia Robusta*.

S.No.	Scientific Name	Common Name	No of Plants
1	<i>Aegle marmelos</i>	Bael	10
2	<i>Emblica officinalis</i>	Amla	10
3	<i>Azadirachta indica</i>	Neem	10
4	<i>Mimusops eleugi</i>	Maulsari	10
5	<i>Lagerstromea parviflora</i>	Dhaura, Lendia, Bakli	10
6	<i>Syzygium cumini</i>	Jamun	10
7	<i>Adina cordifolia</i>	Kadamba	10
8	<i>Saraca indica</i>	Asoka tree	10
9	<i>Pongamia pinnata</i>	Karanja	5
Total			85

- 15. Solid waste management:** From the residential building the total solid waste will be about 455.0 kg/day. The generated solid waste from the residential building will be segregated as biodegradable and non-biodegradable. Proper waste management practices will be adopted during collection, storage and disposal of the generated solid waste, construction and demolition waste.

WASTE SOURCE	DISPOSAL
Garbage – 418 Kg/day	<ul style="list-style-type: none"> Segregation at Source & Disposed properly as per SWM Rules 2016 Bio-Degradable – 250.8 Kgs/day – Organic Waste Converter Non-Bio-Degradable – 167.2 Kgs/day – (Authorized Re-cyclers/vendors)
STP Sludge – 14.14Kg/day	<ul style="list-style-type: none"> Which is used as manure
Landscape waste -0.043	<ul style="list-style-type: none"> Which is used as manure

- 16. Project cost:** Estimated cost of the project is Rs 97.65 Crores. Environment Management Cost is Rs 64.0 Lakhs.

Table: ENVIRONMENT MANAGEMENT - BUDGET DURING OPERATIONAL PHASE

Sl. No	Activity	Capacity /Area/Nos.	Capital Cost (Lakhs)	Recurring Cost (Lakhs)
1	STP	125 KLD	35.0	4.0



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	Landscaping & Planting trees	80.0	3.0	0.5
3	Solid waste Management	455 Kg/Day	5.0	1.5
4	RWH Pit Installation	14.0	4.0	1.0
5	Environmental Monitoring*	Air, Water, Soil & Noise	5.0	2.0
Total			52.0	9.0

17. Environment Consultant: The Environment consultant **M/s Right source Industrial Solutions Pvt. Ltd.** along with the proponent made a presentation on the proposal before the Committee on 19.06.2023.

18. The SEAC in its meeting held on dated **19-06-2023** recommended the following:

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

- i) Revised KML file showing the project area boundary.
- ii) Supporting documents regarding ownership of land with kisam of land.
- iii) Undertaking by Project proponent in Notary stamp paper that the proposed project area doesn't come under any litigation as encroachment is seen in the KML file presented.
- iv) Detailed drainage plan, internal drainage details, drainage permission with supporting documents and NOC for drainage from concerned authority.
- v) Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water.
- vi) Status of NOC/permission letter from CGWA/WR Deptt, Govt. of Odisha respectively for drawl of ground water.
- vii) Layout plan and width of road for movement of Fire Tender.
- viii) Site layout w.r.t location of DG set and Stack including calculations of stack height and its connection layout plan beyond the height of building.
- ix) Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.
- x) Letter approved by BMC in support of management of household waste.
- xi) There is a difference in EMP budget submitted in documents online (Rs. 64 lakhs) and presentation (capital cost – Rs. 52.0 lakhs and Rs. 9.0 lakhs as recurring cost). Which one is correct? This shall be clarified.
- xii) RL of the bottom of the rainwater discharge pit as well as RL of ground water table during rainy and summer season
- xiii) Detail plan of drainage for discharging excess treated sewage water
- xiv) Source of water for use during construction phase.

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

- i) Environmental settings of the project site.
- ii) Construction activity, if any started at the site.
- iii) Road connectivity to the project site.
- iv) Drainage network at the site.
- v) Discharge point for discharge of treated water and distance of the discharge point from the project site.
- vi) Any other issues including local issues

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

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Revised KML file showing the project area boundary.	Revised KML file showing the project area boundary has sent to your mail ID – seac.odisha.2019@gmail.com . Pdf format of KML boundary has been attached for your reference as Annexure – X .
2.	Supporting documents regarding ownership of land with kism of land.	The RoR documents regarding ownership and kism of land has been submitted for your reference as Annexure – I .
3.	Undertaking by Project proponent in Notary stamp paper that the proposed project area doesn't come under any litigation as encroachment is seen in the KML file presented.	Affidavit of undertaking for no litigation has been submitted for your reference as Annexure-II .
4.	Detailed drainage plan, internal drainage details, drainage permission with supporting documents and NOC for drainage from concerned authority.	Drainage plan and application for permission for drainage has been applied near the authority which Ack. Copy has been attached for your reference as Annexure-III .
5.	Possibility of segregation of grey water and black water and its usage for plantation and car washings thereby reduce the discharge amount of treated water.	Dual plumbing design plan for the project has been attached for your reference as Annexure-IV .
6.	Status of NOC/permission letter from CGWA/WR Deptt, Govt. of Odisha respectively for drawl of ground water.	NOC from CGWA for withdrawal of ground water has been submitted for your reference as Annexure-V .
7.	Layout plan and width of road for movement of Fire Tender.	Layout plan for movement of fire tender and permission from the authority has been submitted for your reference as Annexure –VI .
8.	Site layout w.r.t location of DG set and Stack including calculations of stack height and its connection layout plan beyond the height of building.	Site layout with respect to location of DG set and stack has been submitted for your reference as Annexure-VII . The stack height is calculated as per CPCB guidelines $H = h + 0.2 \times \sqrt{KVA}$ $= 109.05 + 0.2 \times \sqrt{450 \text{ KVA}}$ $= 109.05 + 4.242 (0.2 \times 21.21)$ $= 113.29 \text{ Mts.}$ Each D.G set will be provided with 113.29 Mts height of Stack for effective dispersion of pollutants.
9.	Detailed break-up of solar power to be generated, consumed, including capacity of PV cell capacity, connected devices and the percentage of solar energy added total power demand.	Detail calculation of solar power generated consumed including capacity of PV cell and percentage of solar energy used has been submitted for your reference as Annexure-VIII .



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	Letter approved by BMC in support of management of household waste.	Application letter regarding management of household waste has been applied near the authority. The acknowledgement copy has been submitted for your reference as Annexure -IX .
11.	There is a difference in EMP budget submitted in documents online (Rs. 64 lakhs) and presentation (capital cost – Rs. 52.0 lakhs and Rs. 9.0 lakhs as recurring cost). Which one is correct? This shall be clarified.	Environmental management cost mentioned as 64 Lakhs in the summary. The detailed break up was given in Conceptual plan. The same was presented in project presentation. Environmental Management budget Cost during Construction period will be 12.0 Lakhs and During Operation period 52.0 Lakhs, i.e 64.0 Lakhs. Recurring budget allocated during construction period will be 5.5 Lakhs and 9.0 Lakhs during operational period, i.e 14.5 Lakhs.
12.	RL of the bottom of the rainwater discharge pit as well as RL of ground water table during rainy and summer season	RL of the bottom of the rain water discharge pit and RL of the ground water table during rainy and summer season have been submitted for your reference as Annexure -XI .
13.	Detail plan of drainage for discharging excess treated sewage water	Revised plan of drainage for discharge excess treated sewage water has been submitted for your reference as Annexure-III .
14.	Source of water for use during construction phase.	During construction phase the water will be sourced by tanker as mentioned in the conceptual plan.

20. The proposed site was visited by the sub-committee of SEAC on **21.09.2023**. Following are the observations of the sub-committee:

- Project proponent and consultant representative were present and explained the lay out plan.
- It was observed that there were previous construction activities in the land. Of which almost 50% of the prior construction were demolished and 50% are still remaining. The party is asked to demolish the entire structure.
- The Project site is located near the Patia railway station road adjacent to KITT square. The land is connected to above road which is around 25m in northern side. One sub road is there also in the western side of the plot.
- There is a municipality drain running in between the road and designated plot. Around 10 ft width of entire stretch of northern side land (from the drain to land) does not belong to the proponent. The PP has explained that they have applied to the concerned authority for handing over the land to the party. Without which discharge of drainage water may not be possible. Hence, the party is asked to provide necessary permission letter from the concerned authority for further consideration.
- The party is advised to submit the detail lay out plan for internal drainage system and discharge of drainage point. The PP may be asked to submit document/permission for the drainage connection from the appropriate Govt. authority.
- The proposed construction is having 07 stilt and 22 residential floors, almost 29 storied. Hence, a structural stability certificate from BDA should be submitted.
- High-rise buildings normally affect the thermal environment due to heat island effect. It is suggested PP may conduct a study on this aspect and bring out possible remedial measures.
- The traffic study vetted by a reputed institute is to be submitted.

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- i) In regards to green belt few plantations are there, but more plantations are required to meet the standard.
- ii) All other points covered during presentation are to be complied.
24. The SEAC in its meeting dated 17-11-2023 decided to take the decision on the proposal after receipt of the following from the proponent.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	There is a municipality drain running in between the road and designated plot. Around 10 ft width of entire stretch of northern side land (from the drain to land) does not belong to the proponent. The PP has explained that they have applied to the concerned authority for handing over the land to the party. Without which discharge of drainage water may not be possible. Hence, the party is asked to provide necessary permission letter from the concerned authority for further consideration. In case the land (10ft width) belongs to private owners. POA or ownership of land for passage of drain should be obtained and submitted in addition to permission from authority to discharge excess treated water.	In between the road the designated plot leaving the municipal drain the remaining plot area is in our ownership. It has been mentioned in the earlier CDP, where there was a provision of 200 meters road. For that reasons we have left that area for future expansion. In the mean time BDA has released CDP 20-30 which has presently available in BDA website where the road has revised to 100 meter and the same being attached here with for your reference as Annexure-I . No acquisition has been made / no acquisition notice has been served to us in spite of the above facts. In this regard we have already notified to the competent authority of BDA. The ownership of the designated land is completely in our ownership and the schedule of the land boundary has mentioned in our sale deed which is attached for your reference as Annexure-I (a). Hence there is no requirement of seeking permission from the authority to passing the drain in the designated land for discharge of our treated water to the Municipal drain.	---
2.	Structural stability certificate from BDA should be submitted.	The structural stability certificate is vetted by IIT Bombay has been submitted for your reference as Annexure-II .	-
3.	Traffic study vetted by a reputed institute is to be submitted.	Traffic study report of that area is vetted by KIIT University; Bhubaneswar has been submitted for your reference as Annexure-III .	As per Traffic report, the present LOS is "B" After 10 years the LOS would be "C"
4.	As construction is still there as per site visit report, KML file after complete demolition to be submitted.	The constructed houses will be used for our office and store house purposes which will not affected in our construction work we will submit you	-



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	the KML file before start of our project work.	
5. Status of Airport Authority of India Clearance.	NOC from Airport Authority of India has been attached for your reference as Annexure-IV .	-

Considering the information furnished and the presentation made by the consultant, **M/s Right source Industrial Solutions Pvt. Ltd. Hyderabad** along with the project proponent.

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC recommended for grant of Environmental Clearance valid for 10 years with stipulated conditions as per **Annexure – C** in addition to the following specific conditions. **As per report, 50% construction which is there needs to be demolished. Hence, SEIAA may consider to issue EC after receipt of latest KML file after demolition.**

- i) 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/NOC from Executive Engg. (PHD) and / or from the appropriate authority for disposal of excess STP treated water to the nearest drain without which the Proponent will not start construction work. Also, in case of the connecting drain passing through others land (Govt. or Private land), the Proponent shall obtain the permission and possession as the case may be.
- iii) The proponent shall use solar energy at least to the tune of 5% of total power requirement as proposed.
- iv) The proponent shall obtain permission from concerned Fire Safety Authority.
- v) Trees located within the project area shall be transplanted to alongside the boundary green development area.
- vi) The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of project report.
- vii) The project proponent shall maximise utilisation of treated water in flushing, plantations and ground washings etc. as per need to reduce water discharge to drain. This shall be verified in future compliance report.
- viii) All compliances submitted/ committed by PP(s) shall be strictly adhered to them in addition to all the conditions/ specific conditions of EC.
- ix) The proponent shall obtain permission from Water Resources department, Odisha for use of ground water.
- x) The PP has clarified that the land through which they will construct the drain belongs to them. So, the PP will not commence construction unless the drain lay out is finalized and permission given for the same by the authority to discharge excess treated water.
- xii) The PP shall ensure permissions for discharge of treated / excess rain water in drains constructed by them / or BMC before starting the construction work.

Decision Of Authority: Approved

After detailed deliberation in the matter, the authority decided to grant EC for the project for a built-up area of 33364.526 sq. mtr. with stipulated conditions as applicable for the building & construction projects.

APPROVED BY


Member Secretary, SEIAA


Member SEIAA


Chairman, SEIAA



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PARIVESH 1.0, AGENDA No.163.04

Proposal No.	SIA/OR/IND2/433708/2023
Date of application	25.11.2023
File no.	433708/06-IND2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	5(g) Distillery
Name of the Project	Proposal for EC for production of 0.54 KLD Mohua Flower Based Out Still country Liquor manufacturing unit, M/s Dudukabahal main O.S Shop At/ Mouza-Dudukabahal, Tahasil-Kashipur, District-Rayagada in favour of the Licensee Smt Maladevi Agrawal.
Name of the company/Organization	Smt Maladevi Agrawal.
Location of Project	At/Mouza-Dudukabahal, Tahasil- Kashipur, District- Rayagada
ToR Date	NA
Name of the Consultant	NA

1. **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.
- This is a proposal for production of 0.54 KLD Mohua Flower Based Out Still Country Liquor manufacturing unit, M/s Dudukabahal main O.S Shop At/ Mouza- Dudukabahal, Tahasil-Kashipur, District- Rayagada.
 - The plant area is a part of Survey of India Toposheet No. E44F4 and is bounded between the Latitude - 19°11'37.25" - 19°11'33.72" N & Longitude 83°06'25.15" - 83°06'21.84" E bearing Khata no. 120/176 Plot no. 782.
 - The PP has mentioned that the unit is new and undersigned Superintendent of Excise Rayagada has given online license no:- 28/2021/0007 for the year 2023-24 for manufacture and sale of O.S. Liquor, in the name of Dudukabahal main O.S liquor shop under single Out Still system to work still at Dudukabahal under Kashipur Tahsil and district of Rayagada for manufacture and open a shop at same area from the date of this license¹ at April, 2023 to the 31st March, 2024.
 - Documents submitted:- Form-1, PFR, checklist, land schedule excise license certificate, etc..
 - Whether submitted KML file of the lease area-Yes
 - Whether submitted scrutiny fee-Yes of Rs. 100000/- vide e Challan Reference Id no. 35B22134DA dt. 21.08.2023.
 - Distance from nearest sanctuary/ESZ- Karlapat WLS-53.0 Km
 - Whether the lease area coming in DLC report-No
 - Distance from NH-326-0.58 km, village road-0.01 km
 - Production capacity will be 0.54 KLD or 540 Litre/day, 0.478 TPD mahua flower will be used as raw material, total water consumption will be 2.79 cum/day and source from ground water. Rice husk approx. 0.414 TPD will be used as fuel for manufacturing of O.S. Liquor, stack height will be 11 meter, diameter-Top-100 mm and bottom-250mm. Approximately, 0.153 TPD mahua flower residue will be generate as a source of solid waste and 0.126 TPD biomass solid waste.
 - Whether it is part of cluster -No.
 - Whether EC obtained earlier-No.
 - The EMP budget provision of Rs. 1.20/- Lakh/annum
 - Any deficiencies/omission have been noticed in the above documents- Nil

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Whether SEAC recommended the proposal – Yes, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 1.0 KLD of country Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Decision Of Authority: Approved

After detailed deliberation, the Authority decided to grant EC for production of 1.0 KLD of Country Liquor with stipulated conditions as recommended by SEAC.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA



PARIVESH 1.0, AGENDA No.163.05

Proposal No.	SIA/OR/MIN/451241/2023
Date of application	15.11.2023
File no.	451241/990-MINB2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Hulipur Mahanadi Sand Quarry over an area of 5.00 Ha having Khata No. 882, Plot No. 1 in village Hulipur under Kishannagar Tahasil of Cuttack District, Odisha.
Name of the company/Organization	Sri Saroj Kumar Mohanty
Location of Project	village Hulipur under Kishannagar Tahasil of Cuttack District, Odisha.
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of sand from Hulipur Mahanadi Sand Quarry over an area of 5.00 Ha having Khata No. 882, Plot No. 1 in village Hulipur under Kishannagar Tahasil of Cuttack District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73L/3 and is bounded between the Latitude - 20°25'49.6" N to 20°25'58.8"N & Longitude 86°04'01.1"E to 86°04'11.0"E.
- (iii) The mining lease is an identified sairat source in the DSR. The Hulipur Mahanadi Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kishannagar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 35A55BE48C dt. 07.04.2023.
- (vii) Distance from nearest sanctuary/ESZ- Chandaka WLS-37.0 Km
- (viii) Whether the lease area coming in DLC report-No N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Mahanadi. Depth of sand deposition-1.0 meter, depth of mining-0.7 m
- (xii) Distance from nearest road bridge-2.4 km, village road -0.70 km
- (xiii) Whether it is part of cluster -No.
- (xiv) Whether EC obtained earlier-Yes, the PP has obtained EC from SEIAA, Odisha vide letter no. 8723/SEIAA dt. 17.08.2020 with allowing 1st year production quantity of 3000 cum subject to submission of ARRS report by August 2021. Again, the PP has submitted application for expansion of EC vide proposal no. SIA/OR/MIN/425288/2023 dt. 10.04.2023 and the Authority rejected the proposal for expansion quantity from 3000 cum/annum to 20000 cum/annum due ARRS report was not done as per MoEf & CC guidelines but allowed EC with production quantity of 3000 cum for the 2nd year.
- (xv) Date of approval of Modified mining plan- the Deputy Director of Geology, Directorate of Geology, Bhubaneswar vide letter no.275 dt.13.01.2021.

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- (xvi) Production capacity per annum-20000 cum/annum (max.), total production in 5 years period-100000 cum, Geological reserve-38559 cum and Mineable reserve-31875 cum.
- (xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xviii) The EMP budget provision of Rs. 2.0/- Lakh/annum
- (xix) The PP has submitted ARRS report by Areal Constructions & Geo-India Services (A Construction & GIS Based Consultancy) (ORSAC Empanelment Agencies) with mentioned that Pre-Monsoon Standard Elevation = 21.15928, Post-Monsoon Standard Elevation = 22.56564, volume of sand replenished 55082 cum and proposed production is 20000 cum/annum.
- (xx) Any deficiencies/omission have been noticed in the above documents- The PP has not submitted compliance of earlier EC condition also not mentioned quantity of sand extracted from the source and what is the present status of the quarry. Modified Mining Plan prepared for 5 years instead of rest of the lease period.

2. Whether SEAC recommended the proposal – **Yes**, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

- (i) This is an existing mine. Fresh EC has been applied with submission of Replenishment Study Report which found to be satisfactory. So, EC may be recommended as per replenishment quantity i.e. 33049.6826 Cum till replenishment study.
- (ii) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- (iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- (iv) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
- (v) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (vi) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- (vii) The proponent shall provide Bio- toilet for the workers.
- (viii) Project Proponent shall not disturb the water course during mining

Decision Of Authority: Approved

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

- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **20000 cum/annum** for rest of the year i.e. 3rd year, 4th year & 5th year from the date of issue of EC.
- The PP shall carryout the ARRS study in subsequent year through an NABET or ORSAC empanelled agency and submit to SEIAA, Odisha.
- The EC is valid till the validity of DSR or validity of lease period whichever is earlier.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 2.0 Lakh / annum (Recurring Cost).


Member Secretary, SEIAA

APPROVED BY


Member, SEIAA


Chairman, SEIAA



PARIVESH 1.0, AGENDA No.163.06

Proposal No.	SLA/OR/MIN/451252/2023
Date of application	15.11.2023
File no.	451252/992-MINB2/11-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha.
Name of the company/Organization	Sei Saroj Kumar Mohanty
Location of Project	village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of sand from Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73L/3 and is bounded between the Latitude - 20°23'19.5" N to 20°23'30.9"N & Longitude 86°13'06.1" to 86°13'24.7"E.
- (iii) The mining lease is an identified sariat source in the DSR. The Dulupur Chitroptala Sand Quarry sariat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kishannagar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 35A55BDC74 dt. 07.04.2023.
- (vii) Distance from nearest sanctuary/ESZ- Chandaka WLS-45.0 Km
- (viii) Whether the lease area coming in DLC report-No N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Mahanadi, Depth of sand deposition-1.0 meter, depth of mining-0.6 m
- (xii) Distance from nearest road bridge-3.0 km, village road -0.50 km
- (xiii) Whether it is part of cluster -No.
- (xiv) Whether EC obtained earlier-Yes, the PP has obtained EC from SEIAA, Odisha vide letter no. 8727/SEIAA dt. 17.08.2020 with allowing 1st year production quantity of 3000 cum subject to submission of ARRS report by August 2021.
- (xv) Date of approval of Modified mining plan- the Deputy Director of Geology, Directorate of Geology, Bhubaneswar vide letter no.263 dt.13.01.2021.
- (xvi) Production capacity per annum-20000 cum/annum (max.), total production in 5 years period-100000 cum, Geological reserve-45605 cum and Mineable reserve-33623 cum.

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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

The EMP budget provision of Rs. 2.0/- Lakh/annum

The PP has submitted ARRS report by Areal Constructions & Geo-India Services (A Construction & GIS Based Consultancy) (ORSAC Empanelment Agencies) with mentioned that Pre-Monsoon Standard Elevation = 21.15928, Post-Monsoon Standard Elevation = 22.56564, volume of sand replenished 35082 cum and proposed production is 20000 cum/annum.

(xx) Any deficiencies/omission have been noticed in the above documents-Modified Mining Plan prepared for 5 years instead of rest of the lease period.

2. Whether SEAC recommended the proposal -**Yes**, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions:

- (i) This is an existing mine. Fresh EC has been applied with submission of Replenishment Study Report which found to be satisfactory. So, EC may be recommended as per replenishment quantity i.e. 22338.1817 cum till replenishment study.
- (ii) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- (iii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- (iv) The boundary area of the deposit as per the updated DSR, defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
- (v) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (vi) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- (vii) The proponent shall provide Bio- toilet for the workers.
- (viii) Project Proponent shall not disturb the water course during mining

Decision Of Authority: Approved

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

- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **20000 cum/annum** for rest of the year i.e. 2nd year, 3rd year, 4th year & 5th year from the date of issue of EC.
- The PP shall carryout the ARRS study in subsequent year through an NABET or ORSAC empanelled agency and submit to SEIAA, Odisha.
- The EC is valid till the validity of DSR or validity of lease period whichever is earlier.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 2.0 Lakh / annum (Recurring Cost).

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



Parivesh I.O, AGENDA No.163.07

Proposal No.	SIA/OR/MIN/452275/2023
Date of application	15.11.2023
File no.	452275/991-MINB2/11-2023
Project Type	New proposal for EC
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for Fresh EC of Udeypur Mahanadi Sand Bed over an area of 5.00 Ha having Khata No.179, Plot No. 1282 in village Udeypur under Kishannagar Tahasil of Cuttack District, Odisha.
Name of the company/Organization	Sri Saroj Kumar Mohanty
Location of Project	village Udeypur under Kishannagar Tahasil of Cuttack District, Odisha
ToR Date	N/A
Name of the Consultant	N/A

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

- i) This is a proposal for mining of sand from Udeypur Mahanadi Sand Bed over an area of 5.00 Ha having Khata No.179, Plot No. 1282 in village Udeypur under Kishannagar Tahasil of Cuttack District, Odisha.
- ii) The mining area is a part of Survey of India Toposheet No. 73L/3 and is bounded between the Latitude - N20°24'13.7" to 20°24'23.1"N and Longitude – E86°08'24.9" to 86°08'36.1"E
- iii) The mining lease is an identified salrat source in the DSR. The Udeypur Mahanadi Sand Bed salrat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kishannagar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- v) Whether submitted KML file of the lease area-Yes
- vi) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide e Challan Reference Id No. 359A3DA262 dt. 20.02.2023
- vii) Distance from nearest sanctuary/ESZ- Chandaka WLS-43.5 Km
- viii) Whether the lease area coming in D.I.C report-No. N/A
- ix) Whether the lease area reflecting in DSR-Yes.
- x) Method of mining-Manual
- xi) River-Mahanadi, Depth of sand deposition-1.0 meter
- xii) Distance from nearest road bridge-6.0 km, village road -0.50 km
- xiii) Whether it is part of cluster -No
- xiv) Whether EC obtained earlier-Yes from SEIAA vide letter no. 8721/SEIAA dt. 17.08.2020 for extraction sand from the sand bed of quantity 3100 cum in 0.4 meter depth of mining subject to submission of ARRS report after one year from date of issue of EC.
- xv) Date of approval of Modified mining plan- the Deputy Director Geology, Directorate of Geology, BBSR vide letter no. 267 dt. 13.01.2021
- xvi) Production capacity per annum-20000 cum/annum (max.) with depth of mining 0.6 meter, total production in 5 years period-100000 cum, Geological reserve-43032 cum and Mineable reserve-36230 cum



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
The EMP budget provision of Rs. 2.0 Lakh/annum
Any deficiencies/omission have been noticed in the above documents- This is a proposal for increasing production capacity from 3100 cum/annum to 20000 cum/annum for which the PP has submitted fresh EC application. Quarry operated 1st year but modified mining plan prepared for another 5 years again. The SEAC has no opinion on ARRS report submitted by PP.

2. **Whether SEAC recommended the proposal** – The proposal was placed in SEAC meeting held on 28th, 29th & 30th December 2023 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions:
- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
 - The proponent shall provide Bio- toilet for the workers.
 - Project Proponent shall not disturb the water course during mining

However, EC may be granted after submission of contour maps with legible figures as the maps submitted are not clear and levels and figures in contour maps are not visible.

3. The proposal was placed 158th SEIAA meeting held on 01.03.2024 & 02.03.2024 and the authority observed that the proposal for increasing production capacity from 3100 cum/annum to 20000 cum/annum for which the PP has submitted fresh EC application. Quarry operated 1st year but modified mining plan prepared for another 5 years again. The SEAC has no opinion on ARRS report submitted by PP. After detailed deliberation in the matter, the authority decided that the SEAC may give their opinion on ARRS report submitted by PP.
4. The proposal was placed in SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC with following observation:
- Pre and post monsoon surveys have been carried out in June (07.06.2023) and November (21.10.2023) months respectively in the year 2023.
 - Photogrammetry drone survey method has been used to arrive at the difference in elevations of the riverbed sand during the survey periods using Digital elevation model / Surface terrain model.
 - The Replenishment Study Report was found satisfactory. The replenished volume of sand has been calculated to be 26254.5816cum (i.e., 60% of available replenished volume of sand i.e., 43757.63606 cum)
 - The SEAC decided to recommend the proposal for 20000 cum sand based on replenishment study report.

Decision Of Authority: Approved

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

- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **20000 cum/annum** for rest of the year i.e. 2nd year, 3rd year, 4th year & 5th year from the date of issue of EC.

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The PP shall carryout the ARRS study in subsequent year through an NABET or ORSAC empanelled agency and submit to SEIAA, Odisha by March'2025.

The EC is valid till the validity of DSR or validity of lease period whichever is earlier.

The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 2.0 Lakh / annum (Recurring Cost).

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA



PARIVESH I.O, AGENDA No.163.08

Proposal No.	SIA/OR/MIN/439624/2023
Date of application	08.08.2023
File no.	439624/963-MINB2/08-2023
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Khandiadhar Sand Quarry over an area of 12.35 acres 5.00 hectares in village Khandiadhar under Sukruli Tahasil in Mayurbhanj District, Odisha.
Name of the company/Organization	Tahasildar, Sukruli
Location of Project	village Khandiadhar under Sukruli Tahasil in Mayurbhanj District, Odisha
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of sand from Khandiadhar Sand Quarry over an area of 12.35 acres 5.00 hectares in village Khandiadhar under Sukruli Tahasil in Mayurbhanj District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F45N13 and is bounded between the Latitude - -21° 56' 0.0"N to 21° 56' 22.4"N & Longitude 85° 49' 59.1"E to 85° 50' 23.9"E.
- (iii) The mining lease is an identified sairat source in the DSR. The Khandiadhar Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Sukruli to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-No
- (vii) Distance from nearest sanctuary/ESZ- Similipal Biosphere Reserve WLS-28.0 Km
- (viii) Whether the lease area coming in DLC report-No N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Bhandan. Depth of sand deposition-1.0 meter
- (xii) Distance from nearest road bridge-3.0 km, village road -1.0 km
- (xiii) Whether it is part of cluster -No.
- (xiv) Whether EC obtained earlier-Yes, the PP has obtained EC from SEIAA, Odisha vide letter no. 2773/SEIAA dated 22.09.2021 with allowing 1st year production quantity of 7000 cum subject to submission of ARRS report by Nov. 2021.
- (xv) Date of approval of progressive mine closer plan- the Joint Director of Geology, Keonjhar vide letter no.1844 dt.18.11.2022.
- (xvi) Production capacity per annum-5000 cum/annum (max.), total production in 5 years period-25000 cum, Geological reserve-34500 cum and Mineable reserve-20670 cum.
- (xvii) Whether the DSR has been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020- No
- (xviii) The EMP budget provision of Rs. 0.90/- Lakh/annum and Rs. 0.70 Lakh(Recurring cost) for Occupational Health and Safety of the workers.

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

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

- (i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- (ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- (iii) The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
- (iv) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- (vi) The proponent shall provide Bio- toilet for the workers.
- (vii) Project Proponent shall not disturb the water course during mining

Decision Of Authority: Approved

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

- Maximum depth of mining 1.0 meter and maximum quantity of extraction shall be limited to **5000 cum in the first year and 1250 cum in the 2nd year on adhoc manner** from the date of issue of EC.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The PP shall carryout the ARRS study through a NABET or ORSAC empanelled agency and submit to SEIAA, Odisha by March'2025.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 1.75 Lakh as capital cost and Rs. 0.70 Lakhs / annum as recurring cost.

APPROVED BY


Member Secretary, SEIAA


Member SEIAA


Chairman, SEIAA

PARIVESH I.O, AGENDA No.163.09

Proposal No.	SIA/OR/MIN/439793/2023
Date of application	02.11.2023
File no.	-
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of soil from Rudragopalpur Samil Naharpatna Brick Earth Quarry over an area of 1.74 Acres or 0.704 hectares in village Rudragopalpur Samil Naharpatna under Remuna Tahasil of Balasore District of Odisha.
Name of the company/Organization	Smt. Shakuntala Sahu
Location of Project	village Rudragopalpur Samil Naharpatna under Remuna Tahasil of Balasore District of Odisha
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of soil from Rudragopalpur Samil Naharpatna Brick Earth Quarry over an area of 1.74 Acres or 0.704 hectares in village Rudragopalpur Samil Naharpatna under Remuna Tahasil of Balasore District of Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. 73-K/14(F450/14) and is bounded between the Latitude - 21° 31' 57.6"N to 21° 32' 13"N & Longitude 86° 54' 54.1"E to 86° 54' 57.5"E. Khata no. 227/144 Plot No. 576, KISSAM-BIALI Dofasal
 - (iii) The mining lease is an identified sairat source in the DSR. The Rudragopalpur Samil Naharpatna Brick Earth Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Remuna to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-Yes, of Rs. 1000/- vide e Challan Reference Id -35CECB02B1 dt. 02.11.2023.
 - (vii) Distance from nearest sanctuary/ESZ- Kuldiha WLS-19.7 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by the Tahasildar, Remuna vide letter no. Nil dt. 13.07.2023
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Manual
 - (xi) Depth of Mining-3.0 meter
 - (xii) Distance from nearest road bridge-1.5 km, village road -0.35 km
 - (xiii) Whether it is part of cluster -No.
 - (xiv) Whether EC obtained earlier-No.
 - (xv) Date of approval of mining plan- by the Mining Officer, Baripada vide letter no. Nil dt. 18.01.2021
 - (xvi) Production capacity per annum-3024 cum/annum (max.), total production in 5 years period-15120 cum, Geological reserve-22222 cum and Mineable reserve-15120 cum.

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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- No
- (xviii) The EMP budget provision of Rs. 1.75/- Lakh/annum and Rs. 0.70 Lakh (Recurring cost) for Occupational Health and Safety of the workers.
- (xix) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal –**Yes**, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with following additional conditions.
- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
 - The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.
 - Plantation programme to be completed within first two years and to be maintained in remaining years.

Decision Of Authority: Approved

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

- Maximum depth of mining shall be limited to 2.0 meter and maximum quantity of extraction shall be limited to **3024 cum in the 1st year and 3024 cum in 2nd year**.
 - The EC is valid till validity of DSR or validity of lease period whichever is earlier.
 - The 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.50,000/-, with the respective District Environment Society for raising 100 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. 1.75/- Lakh/annum and Rs. 0.70 Lakh(Recurring cost) for Occupational Health and Safety of the workers.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA



PARIVESH 1.0, AGENDA No.163.10

Proposal No.	SIA/OR/MIN/423377/2023
Date of application	14.08.2023
File no.	-
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Katakamada Road Metal Quarry No- 02 over an area of 8.50 Acre or 3.439 Ha under Dhenkanal Tahasil of Dhenkanal District Odisha of Sri Narender Singh Malhotra.
Name of the company/Organization	Sri Narendra Malhotra
Location of Project	Village-Katakamada, Dhenkanal Tahasil of Dhenkanal District Odisha
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of stone from Katakamada Road Metal Quarry No- 02 over an area of 8.50 Acre or 3.439 Ha under Dhenkanal Tahasil of Dhenkanal District Odisha of Sri Narender Singh Malhotra.
 - (ii) The mining area is a part of Survey of India Toposheet No. F45T6 and is bounded between the Latitude - 20° 40' 43.87"N to 20° 40' 52.49"N & Longitude 85° 37' 39.58"E to 85° 37' 52.47"E. Khata no. 323 Plot No. 78(AAA), KISSAM-Patharbanj
 - (iii) The mining lease is an identified sairat source in the DSR. The Katakamada Road Metal Quarry No- 02 sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Dhenkanal to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-Yes, of Rs. 1000/- vide e Challan Reference Id - 35B2213692 dt. 21.08.2023.
 - (vii) Distance from nearest sanctuary/ESZ- Kapilash WLS-5.8 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by the Tahasildar, Dhenkanal vide letter no. Nil dt. 15.03.2023
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Manual
 - (xi) Distance from nearest road bridge-6.9 km, village road -0.25 km
 - (xii) Whether it is part of cluster -No.
 - (xiii) Whether EC obtained earlier-Yes, EC issued by SEIAA, Odisha vide letter no. 4542/SEIAA dt. 17.05.2015 and the PP has submitted EC compliance.
 - (xiv) Date of approval of mining plan- by the Joint Director Geology, Zonal Survey, Dhenkanal vide letter no. Nil dt. 18.01.2023
 - (xv) Production capacity per annum-25020 cum/annum (max.), total production in 5 years period-125255 cum, Geological reserve-354126 cum and Mineable reserve-238595 cum.
 - (xvi) 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

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(vii) The EMP budget provision of Rs. 1.60 Lakh/annum

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

Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and The SEAC **recommended to grant EC** valid from the date of EC accorded up to the lease period with following additional conditions.

- (i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- (ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- (iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- (v) Mitigation measures for flying Rock for safety be put in place.
- (vi) Stone quarry project proponent need to 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.
- (vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
- (viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
- (ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision Of Authority: Approved

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 from the surface level and maximum quantity of extraction shall be limited to **25020 cum in 1st year and 25020 cum in 2nd year.**
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 1.60 Lakh/annum as recurring cost.

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA



PARIVESH 1.0, AGENDA No.163.12

Proposal No.	SLA/OR/MIN/425949/2023
Date of application	13.04.2023
File no.	-
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Jodaput Stone Quarry over an area of 11.927 acres or 4.827 hectares bearing Khata no.69, Plot no.308 & 320 in Village Jodaput, Tahasil Borigumma, District Koraput, State Odisha.
Name of the company/Organization	Tahasildar, Borigumma
Location of Project	Village Jodaput, Tahasil Borigumma, District Koraput, State Odisha.
ToR Date	NA
Name of the Consultant	NA

1. **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 for mining of stone from Jodaput Stone Quarry over an area of 11.927 acres or 4.827 hectares bearing Khata no.69, Plot no.308 & 320 in Village Jodaput, Tahasil Borigumma, District Koraput, State Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. E44E12 and is bounded between the Latitude - 19°2'43.47"N to 19°2'51.10"N & Longitude 82°31'02.84"E to 82°31'14.95"E., Khata no. 69 Plot No. 308 & 320, Kissam-Pahada
 - (iii) The mining lease is an identified salrat source in the DSR. The Jodaput Stone Quarry salrat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Borigumma to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-No
 - (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS-157.0 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by the Tahasildar, Borigumma vide letter no. Nil dt. 05.04.2023
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Manual
 - (xi) Distance from nearest road bridge-4.20 km, village road -0.23 km
 - (xii) Whether it is part of cluster-No.
 - (xiii) Whether EC obtained earlier-Yes, EC issued by SEIAA, Odisha vide letter no. 718/SEIAA dt. 26.02.2021 with allowing annual production 3015 cum and the PP has submitted EC compliance.
 - (xiv) Date of approval of Modified mining plan- by the Joint Director Geology, Koraput vide letter no. 247 dt. 22.03.2023.
 - (xv) Production capacity per annum-12542 cum/annum (max.), total production in 5 years period-62710 cum, Geological reserve-1097272 cum and Mineable reserve-751187 cum.



- (xvi) 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
- (xvii) The EMP budget provision of Rs. 1.30 Lakh/annum.
- (xviii) The Tahasildar has clarified that the quarry is not in operation after obtaining EC from SEIAA, Odisha.
- (xix) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.
- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
 - In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
 - Plantation programme to be completed within first two years and to be maintained in remaining years.
 - Depth of Mining as proposed should not be beyond 6m from the ground level.
 - Mitigation measures for flying Rock for safety be put in place.
 - Stone quarry project proponent need to 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.
 - The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
 - Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
 - All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed. Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision Of Authority: Approved

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 from the surface level and maximum quantity of extraction shall be limited to **12542 cum in 1st year and 12542 cum in 2nd year.**
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 1.30 Lakh/annum as recurring cost.

APPROVED BY


Member Secretary, SEIAA


Member, SEIAA


Chairman, SEIAA



PARIVESH I.O, AGENDA No.163.13

Proposal No.	SLA/OR/MIN/404045/2022
Date of application	14.02.2023
File no.	-
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for EC mining of stone from Risigaon-II Stone Quarry over an area 5.78 acres or 2.339 hectares in Risigaon village under Khariar tahasil of Nuapada district, Odisha.
Name of the company/Organization	Tahasildar, Khariar
Location of Project	Risigaon village under Khariar tahasil of Nuapada district, Odisha.
ToR Date	NA
Name of the Consultant	NA

- I. Proposal in brief:** The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.
- (i) This is a proposal for mining of stone from Risigaon-II Stone Quarry over an area 5.78 acres or 2.339 hectares in Risigaon village under Khariar tahasil of Nuapada district, Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. F44W15 and is bounded between the Latitude - 20°16'14.33"N to 20°16'22.82"N & Longitude 82°49'30.01"E to 82°49'33.22"E., Khata no. 358 Plot No. 515 & 468, KISSAM-DUNGURI
 - (iii) The mining lease is an identified sairat source in the DSR. The Risigaon-II Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Khariar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
 - (iv) Documents submitted: -Form-1, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
 - (v) Whether submitted KML file of the lease area-Yes
 - (vi) Whether submitted scrutiny fee-No
 - (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS-157.0 Km
 - (viii) Whether the lease area coming in DLC report-No, as certified by the Tahasildar, Khariar-vide letter no. Nil dt. 17.10.2022
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-Manual
 - (xi) Distance from nearest road bridge-4.20 km, village road -0.23 km
 - (xii) Whether it is part of cluster -Yes, Risigaon-II Stone Quarry & Risigaon-III Stone Quarry are coming under single cluster and total cluster area is 4.997 Ha and submitted cluster EMP.
 - (xiii) Whether EC obtained earlier-Yes, EC.
 - (xiv) Date of approval of mining plan- by the Joint Director Geology, Balangir vide letter no. 778 dt. 08.09.2022.
 - (xv) Production capacity per annum-4848 cum/annum (max.), total production in 5 years period-24242 cum, Geological reserve-253167.4 cum and Mineable reserve-92401.8 cum.
 - (xvi) 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



(vii) The EMP budget provision of Rs. 1.30 Lakh/annum.

(viii) Any deficiencies/omission have been noticed in the above documents-**Not submitted checklist, earlier EC copy and its compliance**

Whether SEAC recommended the proposal –**Yes**, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with following additional conditions.

- (i) Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.
- (ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured
- (iii) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- (v) Mitigation measures for flying Rock for safety be put in place.
- (vi) Stone quarry project proponent need to 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.
- (vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
- (viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
- (ix) All removed topsoil to be stacked and used for plantation in the surroundings of mining area / post mine closure in the mined-out area. (x) All recommended precautions for blasting operations to be followed, Blasting to be done by DGMS approved agency. No explosives to be stored at the mining lease site.

Decision Of Authority: Approved

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 from the surface level and maximum quantity of extraction shall be limited to **4848 cum in 1st year and 4848 cum in 2nd year**.
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The 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 250 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. 1.30 Lakh/annum as recurring cost.

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

Chairman, SEIAA



Minutes of 163rd Meeting of SEIAA, Odisha held on 18.04.2024 & 19.04.2024

PARIVESH 1.0, AGENDA No.163.14

Proposal No.	SIA/OR/MIN/417243/2023
Date of application	06.02.2023
File no.	-
Project Type	New EC proposal
Category	B2
Project/Activity including Schedule No.	I(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Tamian Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Tamian under Patnagarh tahasil of Balangir district.
Name of the company/Organization	Sri Bhakta Charan Patel
Location of Project	village Tamian under Patnagarh tahasil of Balangir district
ToR Date	NA
Name of the Consultant	NA

1. 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 for mining of sand from Tamian Sand Quarry over an area of 12.00 Acres or 4.856 Hectares in village Tamian under Patnagarh tahasil of Balangir district.
- (ii) The mining area is a part of Survey of India Toposheet No. F44X1(64P1) and is bounded between the Latitude - 20°46' 47.16" N to 20°47' 07.22" N & Longitude 83°14' 18.32" E to 83°14' 36.25E.
- (iii) The mining lease is an identified sairat source in the DSR. The Tamian Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Patnagarh to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes of Rs. 2000/- vide e Challan Reference Id no. 359962CF88 dt. 06.02.2023.
- (vii) Distance from nearest sanctuary/ESZ- Paniadunguri WLS-31.0 Km
- (viii) Whether the lease area coming in DLC report-No, N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Suktel, Depth of sand deposition-1.5 meter.
- (xii) Distance from nearest road bridge-0.50 km, village road -0.90 km
- (xiii) Whether it is part of cluster-No.
- (xiv) Whether EC obtained earlier-Yes, EC obtained vide letter no. 9154-SEIAA dt. 07.10.2020 for 1st year production capacity 1300 cum subject to submission ARRS report by 15th November 2021. Submitted EC compliance not mentioned the production details. Now, proposal for increasing production capacity from 1300 cum to 5010 cum.
- (xv) The PP has submitted ARRS report by RQP, Sri Apurba Ranjan Ray with mentioned that the pre-monsoon reserve is 7339 cum and post-monsoon reserve is 19150 cum and replenished sand quantity is 7087 cum and proposed production is 11490 cum.
- (xvi) Date of approval of progressive mine closure plan- the Joint Director of Geology, Zonal Survey, Balangir vide letter no.1002 dt.17.11.2022
- (xvii) Production capacity per annum-5010 cum/annum (max.), total production in 5 years period-17530 cum, Geological reserve-72543 cum and Mineable reserve-54447 cum.



(iii) 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

The EMP budget provision of Rs. 2.0/- Lakh (Capital Cost) and Rs. 0.40 lakh/annum (Recurring Cost)

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

2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 06th & 07th March 2024 and the SEAC **decided to reject the proposal** for following reasons:

- (i) Clarification was sought from PP to tag the co-ordinates and video of the lease area as KML file uploaded with the proposal was not supporting the existence of sand in the area and the meandering of river was not suitable for mining.
- (ii) PP uploaded the co-ordinates and video recording of lease area with sand replenishment study report. The video had no clarity of sand presence in the lease area as entire stretch was water logged with no visible dry sandy patches.
- (iii) The meandering of river also deliberate no mining zone in concave banks limiting the mining area.
- (iv) The replenishment study report indicates the pre monsoon and post monsoon level difference of the lease area as 15m, which seems erratic and needs review of the study.

Decision Of Authority: Rejected

After detailed deliberations in the matter, the Authority decided to **reject the expansion proposal as recommended by SEAC with the following conditions:-**

- The PP shall carryout fresh ARRS study in subsequent year through a NABET or ORSAC empanelled agency by March 2025 and comply the observation of SEAC.
- Maximum quantity of extraction shall be limited to **1300 cum in the 1st year and 325 cum in the 2nd year on adhoc manner.**
- The EC is valid till validity of DSR or validity of lease period whichever is earlier.
- The 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.2,50,000/-, with the respective District Environment Society for raising 500 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. 2.0/- Lakh (Capital Cost) and Rs. 0.40 lakh/annum (Recurring Cost).

APPROVED BY

Member Secretary, SEIAA

Member, SEIAA

28.4.24
Chairman, SEIAA



PARIVESH I.O, AGENDA No.163.15

Proposal No.	SIA/OR/INFRA2/443135/2023
Date of application	10.11.2023
File no.	-
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	7(da) Bio-Medical Waste Treatment Facilities
Name of the Project	Proposal for EC for Proposed Common Biomedical Waste Treatment Facility (CBWTF) at Plot no. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha by M/s Bio-Tech Solutions.
Name of the company/Organization	Bio-tech Solutions Rajendra Kumar Sahu, Managing Partner
Location of Project	Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha
ToR Date	28.07.2022
Name of the Consultant	M/s. Gourang Environmental Solutions Pvt. Ltd, Jaipur

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. Bio-Tech Solutions for Common Biomedical Waste Treatment Facility (CBWTF) at Plot no. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur of Sri Rajendra Kumar Sahu.
2. **Category:** This project falls under Category "B" of Project activity 7 (da) - Development of Common Bio Medical Waste Treatment Facility projects as per EIA Notification dated 14th Sept, 2006 as its amendments.
3. **TOR details:** Terms of Reference was issued by SEIAA, Odisha vide letter No. 4959/SEIAA dated 28.07.2022 for the proposed project.
4. **Location and connectivity:** The proposed project is located at Plot No. 155/1020 and 15/1025, Village: Jamapalli, Tehsil: Binika, District: Subarnapur, State: Odisha. The geographical co-ordinates of project site are 21° 5'20.87"N to 21° 5'21.12"N and 83°45'41.75"E to 83°45'45.60"E. It falls under Toposheet no.: 64O12, 64O16, 64P9 & 64P13. The nearest residential area is Village: Jamapalli at 600 m towards SW direction and nearest town is Binika town at 10 km towards SSE direction. The nearest highway is NH-126A at a distance of 1.18 Km in North Direction. The nearest Railway Station is Durgipalli Railway Station at a distance of 22.0 Km in West direction. The nearest Airport is Veer Surendra Sai Airport, Jharsuguda at 96 KM NNE direction & Biju Patnaik International Airport, Bhubaneswar at 232Km SE direction. The nearest water bodies are Jira River: 5.0 Km NE Direction, Mahanadi River: 7.5 Km SE Direction and Choki Nala: 7.5 Km S Direction. The nearest reserve forest is Singhijuba RF: 1.30 Km SW Direction, Ghatasan RF: 8.0 Km SE Direction and Bishalbari PF: 9.0 Km S Direction.
5. There are no National Park/Wildlife Sanctuary/ Eco-sensitive zone are within 10 km radius of the Project Site.
6. **List of Statutory Clearances:**
 - a. Consent to establish has been obtained vide consent no. 6053/HICON (NOC)/164/2021-22 dated 18.11.2021.
 - b. Letter from DFO obtained vide office order no. 289/4F (Misc) dated 30.11.2021.
7. **Public hearing details:** The Public hearing was conducted successfully on 28.06.2023 at 10.00AM in the weekly market ground of Sanindpur village.



8. **Baseline study conducted:** Baseline study was conducted during Pre-Monsoon season of 2022 i.e. from 1st March 2022 to 31st May 2022.
- a) **Ambient Air monitoring:** - PM₁₀ is within range of 50 µg/m³ to 70.4 µg/m³, PM_{2.5} is within range of 30.5 µg/m³ to 44.5 µg/m³, SO₂ is within range of 11.2 µg/m³ to 23.7 µg/m³ and NO_x is within range of 12 µg/m³ to 27.3 µg/m³.
- b) **Water quality monitoring:** The result of surface water samples collected shows that the pH varies from 7.53 to 7.79, Total Hardness varies from 197.26 to 716.82 mg/l, Total Dissolved Solids varies from 341 to 862 mg/l, BOD varies from 10.0 to 29.0 (mg/l), COD varies from 24.21 to 67.0 (mg/l). The result of ground water samples collected shows that the pH varies from 7.52 to 7.75, Total Hardness varies from 149.38 to 226.79 mg/l, Total Dissolved Solids varies from 270 to 381 mg/l and Flouride content varies from 0.2 mg /l. to 0.23 mg/l.
- c) **Ambient Noise monitoring:** Minimum and maximum noise levels recorded during the day time were from 48.86 Leq Db and 53.18 Leq Db respectively and minimum and maximum level of noise during night time were 39.76 Leq Db and 43.72 Leq Db.
- d) **Soil monitoring:** The pH of the samples ranged from 7.25 to 7.41, which is slightly to moderately alkaline. Organic matter ranges from 0.29% to 0.45%, the concentration of Nitrogen ranges from 143.56 Kg/ha to 190.84 Kg/ha, Phosphorus ranges from 11.67 Kg/ha to 27.11 Kg/ha and Potassium ranges from 176.11 Kg/ha to 201.94 Kg/ha
9. **Water requirement:** The total water requirement for the proposed project will be 9 KLD (Fresh water 5.5 KLD + Treated water 3.5 KLD). Water will be sourced from Ground Water. Out of the total water requirement 3.5 KLD will be used for washing purpose i.e. vehicle washing & area washing, 2.0 KLD will be used for the scrubber, 1.5 KLD will be used for the Domestic consumption and 2.0 KLD will be used for the Greenbelt development.
10. **Wastewater details:** Total effluent generation would be 5.0 KLD which will be treated with the help of ETP and the treated water will be used for Greenbelt development, Scrubber and Washing. Domestic waste water will be treated with the help of the Septic tank followed by Soak pit.

Sl. No.	Particulars	Water Requirement (KLD)	Fresh Water	Treated Water	Effluent Generated	Treatment
1.	Vehicle Washing	3.0	2.0	1.0	3.0	6 KLD of ETP with ZLD Concept is Proposed for Wastewater treatment
2.	Scrubber	2.0	2.0	-	2.0	
3.	Greenbelt	2.0	-	2.0	-	
4.	Area Washings	0.5	-	0.5	-	
5.	Domestic	1.5	1.5	-	-	Septic Tank followed By Soak pit
Total		9.0	5.5	3.5	5.0	

11. **Power requirement and solar power details:** Total power requirement for the proposed project would be approx. 150 kVA which will be sourced from TP western Odisha Distribution Limited (TPWODL). Additionally 1 No. of DG set will be provided of capacity 75kVA to be used in case of power supply failure/emergency.
12. **Solar Power generation:** About 3000 sq. ft. roof top area will be there, which will be used for installation of solar panels for generation of 15 kVA electricity generation which will be 0.1% of the total power consumption.
13. **Rainwater harvesting details:** As the proposed facility is for management of infectious biomedical waste, there are possibilities rainwater getting contaminated at site hence rain water recharge pits shall not be installed. Proper storm water drainage system shall be laid to ensure and prevent any contamination before disposal into natural drain or collection tank for its use for washing or maintaining green areas.



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14. **Solid waste generation:** Municipal Solid waste of quantity approx. 3.75 kg/day will be generated (considering 0.125 kg/person). Hazardous waste like Used oil (0.5 TPA), Incineration waste (15-20 kg/hr) and ETP sludge (80-100 Kg/month) of hazardous waste will be generated.

15. **Mitigation of solid waste produced:** Municipal solid waste will be segregated into organic and inorganic waste. Organic waste will be managed by composting whereas inorganic waste will be sent to authorize waste management agency.

Schedule	Type of the Hazardous waste	Quantity	Mode of Disposal
5.1	Used Oil	0.5 TPA	Reused as lubricant in plant and machinery/ send to authorized recyclers.
36.2	Incineration Ash	15-20 Kg/hr	Send to TSDF site for land filling.
34.3	ETP Sludge	80-100 Kg/Month	Send to TSDF site for land filling.

16. **Greenbelt development:** Green belt will be developed over 33.36% area of the total plant area. Out of the 1,058 acre of the plant area, 0.353 acre will be developed for plantation. Considering 2500 nos of trees per ha, this CBWTF area will require 358 trees for raising greeneries around the unit. Hence, we are proposing total 360 trees. A budget of approx. Rs. 1.05 Lakh has been kept for green belt development.

17. **Total Employment:** Total 30 persons are proposed to hire for plant operations including officers, skilled and unskilled workers.

18. **Project cost:** The estimated project cost is 1.90 Crores and capital cost for EMP is 34.05 lakhs and recurring cost is 5.85lakhs.

Details of CER activities

Sr. No.	Activities	Budgetary Details (in lakhs)
1.	Providing infrastructure facilities such as beds, medical instruments etc. to the medical centres in Adampur government hospital	1.0
2.	Distributions of Dust Bins and arrangement of Garbage disposal to local authorities.	0.20
3.	Solar light installation at village	1.0
Total		2.20

Details of EMP activities

Sr. No.	Particulars	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs)
1	Solid & Hazardous Waste management	5.0	1.5
2	Water and Waste water management	10.0	2.0
3	Air Pollution Control & Monitoring System	15.0	1.5
4	Greenbelt Development	1.05	0.35
5	Occupational Health & safety, Fire Protection measures	3.0	0.50
Total		34.05	5.85

19. **Environment Consultant:** The Environment consultant M/s Gaurang Environmental Solutions Pvt. Ltd, Jaipur along with the proponent made a presentation on the proposal before the Committee on 02.12.2023.

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

Sl No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
i)	Permission from local authority for settling up of the proposed project.	Permission from the local authority i.e., Gram panchayat NOC is enclosed herewith as Annexure I .	submitted

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	<p>Submit a detailed layout of the proposed project showing all process, materials storage, and handling units.</p>	<p>Detailed plant layout demarcating the process area, entry/exist, Vehicle washing area, Greenbelt etc. has been enclosed as Annexure 2.</p>	<p>Submitted</p>
<p>iii)</p>	<p>Regarding disposal of the incinerator ash it is mentioned as landfill in the online documents. However, during the presentation it was mentioned for disposal at M/s. Re-Sustainability limited site (TSDF). The proponent needs to submit clarification in this regard.</p>	<p>No land filling has been proposed at the site. The Ash generated from incinerator will be handed over to the nearest TSDF site.</p>	<p>-</p>
<p>iv)</p>	<p>Precautionary measures shall be undertaken for protection of adjacent agricultural lands and nearby school located at 400m. distance.</p>	<p>Details of precautionary measures to be implemented for protection of adjacent agricultural lands and nearby school located at 400m distance are enclosed as Annexure 3.</p>	<p>complied</p>
<p>v)</p>	<p>A buffer zone of 500m needs to be demarcated around the project site as per CPCB guidelines.</p>	<p>Map demarcating buffer zone of 500m around the project site is enclosed as Annexure 4.</p>	<p>complied</p>
<p>vi)</p>	<p>Details of the wastewater treatment system/technology adopted with inlet and outlet water parameters.</p>	<p>Details of the wastewater treatment system/technology proposed to be installed along with (As it is a proposed Greenfield project) outlet water parameters are enclosed as Annexure 5.</p>	<p>complied</p>
<p>vii)</p>	<p>Precautionary measures to be undertaken during transportation of the biomedical waste as well as their storage and handling from their source of generation.</p>	<p>Precautionary measures proposed to be implemented for transportation of biomedical waste as well as their storage and handling from their source of generation is enclosed as Annexure 6.</p>	<p>complied</p>
<p>viii)</p>	<p>Specific measures to be followed by the M/s. Re-Sustainability limited for handling the incinerator waste for disposal.</p>	<p>The details of clarification for disposal of the Incineration waste at M/s Re-Sustainability limited are enclosed as Annexure 7.</p>	<p>complied</p>
<p>ix)</p>	<p>Precautionary measures followed for storing the diesel at the project site.</p>	<p>Diesel will be stored at project site following below mentioned precautionary measures.</p> <ol style="list-style-type: none"> 1. Diesel will be stored in drums under covered storage. 2. Only trained and experienced personnel will be deployed for handling operations of Diesel. 3. All safety precautions will be taken at the storage area of the Diesel. 4. Fire protection measures and fire extinguishers will be provided at the area. 5. Emergency evacuation and response plan will be made and will be implemented in case of emergencies. 	<p>-</p>

Minutes of 163rd Meeting of SEIAA, Odisha held on 18.04.2024 & 19.04.2024

<p>x)</p>	<p>The proposed site is located within 75 K.M. from another existing CBWTF at Balangir. A petition has been received from the proponent of CBWTF at Balangir not to allow this proposed CBWTF at Binika, Dist. Subarnapur as same is not confirmed to the siting criteria as per CPCB guidelines. The PP has to clarify as to why this proposal shall not be rejected due to non-confirm to the siting criteria. A detailed writeup in this regard shall be submitted.</p>	<p>Detailed write-up in regards of the proposed site located within 75 K.M from another existing CBWTF at Balangir is enclosed as Annexure 8. The project proponent has clarified the following:</p> <ul style="list-style-type: none"> Distance from other CBWTFs is not less than 70 kms. In this point there are other CBWTFs in other states are very nearest, and those comes under same district of a state nearing about 2 kms distance on road way and those have been granted with the "Environment Clearance" for set up of CBWTF and the detailed are presented in the next points showing the nearest CBWTFs within the radius of 70 kms. On road way where the air distances will be naturally less than road ways. The next point table shows the clear idea about the nearer to nearest CBWTFs has been operating and has obtained EC. 	<p>Justification submitted</p>
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2. Whether SEAC recommended the proposal –Yes, the proposal was placed in the SEAC meeting held on 30.01.2024 and the SEAC After detailed discussion, the SEAC recommended to return the proposal to SEIAA, Odisha with a request to seek clarification from CPCB, Delhi whether EC can be granted to this CBWTF as per clarification given by the project proponent indicating that EC has been granted in other CBWTF of other State within a distance of 2 kms from another CBWTF.

Decision Of Authority: ADS

After detailed deliberation in the matter, the authority decided to seek clarification / information on the following:

- 1) The PP is required to explain why the application shall not be rejected in terms of the Common Biomedical Waste Treatment and Disposal Facility Guidelines, 2016 of CPCB.

Member Secretary, SEIAA

APPROVED BY

Member, SEIAA

Chairman, SEIAA

coverage ~~of CBWTF~~ by distance and number of beds criteria in the



PARIVESH I.O, AGENDA No.163.16

Proposal No.	SIA/OR/MIN/442667/2023
Date of application	01.11.2023
File no.	-
Project Type	New EC proposal
Category	B1
Project/Activity including Schedule No.	1(a) Mining of minerals
Name of the Project	Proposal for EC mining of sand from Purnapani Sand Quarry Over An Area Of 12.50 Acres/5.059 Ha At Village Purnapani Of Tahasil-Kuchinda In District Sambalpur, Odisha By Sri Raj Kumar Agasty.
Name of the company/Organization	Sri Raj Kumar Agasty.
Location of Project	At Village Purnapani Of Tahasil-Kuchinda In District Sambalpur, Odisha
ToR Date	27.08.2021
Name of the Consultant	M/s. Parivesh Environmental Engineering Services, Lucknow, Uttar Pradesh

- 1. 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 for Purnapani Sand Quarry over an area of 12.50 Acres/5.059 ha. at village - Purnapani of Tahasil - Kuchinda in District - Sambalpur of Sri Raj Kumar Agasty.
 2. **Category:** As per EIA Notification 2006 and its subsequent amendments, the proposed project falls under Category B in Schedule in item 1(a) - Mining of Minerals.
 3. The lease has granted in the name of Successful Bidder – Raj Kumar Agasty, At/ PO /PS- Dhuruadihi, District- Sambalpur, Odisha for a lease period of 5 (five) years by Tahasildar, Kuchinda, Sambalpur vide letter no. – 2770 on dated 27.11.2020.
 4. The Mining plan has been approved for a period of five years by the AO & Joint Director Geology, Sambalpur, with Letter No. – XIX-(S) 216/21 165/ ZS, Date- 28.01.2021.
 5. This is a new mine and mining lease is an identified sairat source in the District Survey Report for River Sand of Sambalpur district and the said area has been marked in page no – 3, Serial no – 18 of DSR Report.
 6. **TOR details:** Terms of Reference (ToR) was issued by SEIAA, Odisha vide File no. SIA/OR/MIN/62078/2021 on dated 27.08.2021.
 7. **Public hearing details:** Public hearing was conducted on 01.11.2022 at 11.0 AM at Upper Primary School (PUPS) Playground, Mouza-Purnapani, GP-Kuleigarh, R.I Circle-Kuturachuan in Sambalpur District. Issues raised was mainly for repair and maintenance of road by PP. Budget allocated for Public hearing issues Rs. 3,50,000.00.
 8. **Location and connectivity:** The mine lease area is located at Khata No.- 163, Plot No.-1416P, Village-Purnapani, Tehsil- Kuchinda, District- Sambalpur, State- Odisha. The proposed site is bounded by Latitude -21° 44' 25.3" N to 21° 44' 41.2" N & Longitude – 85° 15' 34.4" E to 84° 15' 23.5" E bearing Topo Sheet No. – 73CO6. The Nearest Railway Station- Lapanga Railway Station, 50pprox., 23 km towards West direction, Nearest Airport- BijuPatnaik International Airport, 50pprox., 230 km towards SE direction, Nearest Highway-NH-200, 50pprox., 7.0 km in NE direction, SH-24, 50pprox., 9.2 km in East direction. Nearest Forest-Lariapali RF, 50pprox., 2.0 km towards NE direction, Open mixed Jungle, 50pprox., 9.0 km towards WSW direction. Nearest School/ Collage- Deheripali PUP School, 50pprox., 1.2 km NW, Nearest Hospital- Sub divisional Hospital, Kuchinda, 50pprox., 10 km East, Temple-approx. 1.0 km SW.
 9. **Reserves and production:** The total Geological reserves is 53.823 Cum and Mineable Reserves is 23.223cum. The average production is proposed to be **2,500 cum/year** and 12,500 cum is the total

production during the plan period.

10. **Replenishment study details:** The Replenishment Study has been carried out in Drone Survey Method. The Pre monsoon study was carried out in 20.05.2022 and Post Monsoon was in 25.11.2022. The Common sale-workable area in pre-monsoon and post-monsoon Replenishment Study was calculated as 12,600 m². Difference in Standard Elevation of Pre Monsoon and Post Monsoon found to be 0.70m and volume of replenished sand calculated as 8,820m³. Based on this estimation, at least 60% (i.e., 5,292 Cum.) replenishable quantity of sand available for mining of this period which may allow for mining activity. But, the approved quantity of sand 2500 cum, as per the Mining Plan. So, PP has requested to permit the approved minable quantity as per the application.
11. **Baseline study details:** Baseline Study was conducted in December 2020 to February 2021.
- Air quality:** Ambient Air Quality monitoring reveals that the minimum & maximum concentrations of PM₁₀ for all the 7 AAQ monitoring stations were found to be 57.43 µg/m³ at AQ2 and 87.26 µg/m³ at AQ1, respectively. As far as the gaseous pollutants SO₂ and NO_x are concerned, the prescribed CPCB limit of 80 µg/m³ for residential and rural areas has never surpassed at any station. The maximum & minimum concentrations of SO₂ were found to be 14.36µg/m³ at AQ1 & 6.39 µg/m³ at AQ5 respectively. The maximum & minimum concentrations of NO_x were found to be 21.73µg/m³ at AQ1 & 10.3µg/m³ at AQ2, respectively. -
 - Surface water quality:** pH values varied between 7.2 to 8.0, Dissolved oxygen – 6.5 to 7.0 mg/L, BOD – 3.8 to 4.0 mg/L. Based on the results it is evident that most of the parameters of the samples comply with 'Category 'C' standards of CPCB indicating their suitability for Drinking water source after conventional treatment and disinfection
 - Ground water quality:** pH values varied between 7.15 to 7.5, Dissolved Solids – 324 to 360 mg/l, total hardness – 230 to 276 mg/l. Fluorides and nitrates are within the permissible limits.
 - Noise study:** Noise monitoring reveals that the maximum & minimum noise levels at day time were recorded as 62.77 Leq. dB (A) at NQ1 & 45.85 Leq. dB (A) at NQ2, respectively. The maximum & minimum noise levels at night time were found to be 35.73 dB (A) at NQ3 & 48.42 dB (A) at NQ1. -
 - Soil quality:** Samples collected from identified locations indicate the soil is sandy type and the pH value ranging from 7.21 to 7.55, which shows that the soil is alkaline in nature. Potassium is found to be from 51.82 mg/kg to 60.20 mg/kg. The water holding capacity is found in between 28.45% to 32.18%.
12. **Mining method:** The mining of sand will be done by open cast manual method for excavation. The maximum depth of mining will be of 3 m below bed / water table whichever less.
13. **Water requirement:** Total water 5l approx., 2.5 KLD will be required for different purposes like Domestic (0.1KLD), Dust suppression (2.0KLD) & plantation purposes (0.3KLD).
14. **Greenbelt development:** 250 nos. of plantation will be carried out for the proposed project.
15. **Manpower requirement:** Total 10 nos of manpower will be required for the proposed project.
16. **Project cost:** Total cost of the proposed project is 60.0 Lakhs. A capital cost of 4.7 lakhs is proposed & 2.55 lakhs as recurring cost.
17. **Environment Consultant:** The Environment consultant M/s Parivesh Environmental Engineering Services, Lucknow, Uttar Pradesh along with the proponent made a presentation on the proposal before the Committee on 21.11.2023.
18. The SEAC in its meeting held on dated 21-11-2023 decided to take decision after receipt of the following from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of SEAC
1.	The project proponent shall submit the distance of the water project from the proposed site, effect of mining on it and the safety measures taken.	The distance of the water project is 0.80 km which is situated in the downstream of the lease area. It is small minor irrigation project which will not effect	-