



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004

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Letter No.- EC/SEIAA/2022-23/2714/2023/

Ranchi, Date :

To: M/s Elite Power Project and Construction Pvt. Ltd.,
Shri Mukesh Kumar (Director),
3D, Vatika Apartment, Line Tank Road,
District : Ranchi, Pin Code : 834001 (Jharkhand).

Amendment

Sub: Amendment of Environmental Clearance for the project “Dulmi Stone Deposit Project of M/s Elite Power Project and Construction Pvt. Ltd., Village : Siru, Tehsil : Dulmi, Distt. : Ramgarh, Jharkhand (9.50 Ha)”, (Proposal No. SIA/JH/MIN/296448/2023) - regarding.

Ref: Your online application dated : 09.01.2023.

Sir,

1. This is in continuation of Environmental Clearance (EC) issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.- EC/SEIAA/2018-19/2198/2019/11, Ranchi, Date : 13.04.2021 in favour of “Dulmi Stone Deposit Project of M/s Elite Power Project and Construction Pvt. Ltd., Village : Siru, Tehsil : Dulmi, Distt. : Ramgarh, Jharkhand (9.50 Ha)” (Proposal No. SIA/JH/MIN/40612/2020).

2. Further you have applied online application no. : SIA/JH/MIN/296448/2023 requesting for amendment of EC in terms of increase in diesel consumption and explosives to the above mentioned project proposal.

3. Your request has been examined by the State Level Expert Appraisal Committee (SEAC), Jharkhand in its 100th meeting held on 09th, 10th, 11th, 12th, 13th and 14th January, 2023. based on the information furnished/provided and discussion held, the State Level Expert Appraisal Committee, (SEAC) recommended to issue **amendment of earlier Environmental Clearance** issued vide letter no. : EC/SEIAA/2018-19/2198/2019/11, Ranchi, Date : 13.04.2021, as the following:

“ This is a new project which has been taken for appraisal on 10.01.2023.

Project Category : B2 – Application for Environment Clearance

EC Application for : Proposed Production –3,49,428.04 TPA Annum, Crusher not

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PROJECT & LOCATION DETAILS:

Sl. No.	Parameter		Details
1	Project Name	:	Dulmi Stone Deposit
2	Lessee:	:	Director : Parasant Kumar Barma M/s Elite Power Project and Construction Pvt.Ltd
3	Lease Address	:	Village-Siru, Block - Dulmi, District-Ramgarh, State: Jharkhand
4	Lease Area	:	9.50 ha Acres- 23.474 Acre
5	Type of Land	:	Non Forest Land
6	Project Cost	:	Rs.45 Lakhs
7	EMP Budget	:	Capital: 8.69Lakhs Recurring: 6.73 Lakh / year
8	CSR / CER Budget	:	Rs. 60,000/-
9	New or Expansion	:	Amendment
10	Mineable Reserves	:	34,93,833.60 tonnes
11	Mine Life	:	10 years
12	Man power	:	44
13	Water Requirement	:	24.26 or 25 KLD.(Drinking: 0.44 KLD,Dust Suppression: 8.64 KLD, Plantation: 15.18 KLD)
14	Water Source	:	From Nearby villages by tankers
15	DG Set / power	:	500 KVA
16	Crusher	:	With Crusher
17	Nearest Water Body	:	Damodar River, Approx. 7.0 km. in North direction. Bhera River,Approx. 5.5 km. in East direction.
18	Nearest Habitation	:	Dulmi , Approx. 3.5 km. in SW direction.
19	Nearest Rail Station	:	Chitarpur Railway station, approx. 2.0 km toward North direction.
20	Nearest Air Port	:	Bisra Munda Airport, approx. 31.0 km towards SW direction.
21	Nearest Forest	:	Dense Forest at 7.5 Km in NE direction. Protected forest at 8.2 Km SE direction. Protected forest at 9.3 Km SW direction
22	Road & Highways	:	NH-23 Approx. 3.0 km. in North direction.

CO-ORDINATES

1	Latitude	From 23°32'58.81"N	To 23°32'57.84"N
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2	Longitude	From 23°32'57.84"N	To 85°38'31.60"E
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LAND DETAILS :

Khata No.	Plot No.
107	171 (P)

STATUTORY CLEARANCES :

1	LOI/Lease docs	:	i. The LOI has been issued by Director of Mines, Department of Mines & Geology, Govt. of Jharkhand vide letter no. 1173, dated 27.05.2019. ii. Lease deed period 04.08.2022 upto 03.08.2032.
2	CO	:	The CO, Dulmi (Ramgarh) vide letter no. 295, dated 26.06.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatyan & Register II.
3	DMO	:	DMO, Ramgarh vide memo no. 963/Khanan, dated 30.08.2019 certified that no other mining lease area exists within 500 m radius from proposed project site.
4	DFO Wild Life	:	DFO, Wildlife Hazaribagh vide letter no. 1475, dated 29.07.19 certified that the proposed project site is outside Eco Sensitive Zone of Hazaribag Wildlife Sanctuary.
5	DFO Forest Distance	:	DFO, Ramgarh Division vide letter no. 1448, dated 15.06.19 certified that the distance of notified forest is 300 m from proposed project site.
6	DSR	:	The project is already mentioned in District Survey Report (DSR) of District Ramgarh.
7	Gram Sabha	:	BDO, Dulmi (Ramgarh) vide Letter no. 283, dated 18.06.2019 informed that Gram Sabha conducted on 17.06.2019
8	Mine Plan Approval	:	Additional Director, Geology, Hazaribag vide letter no. 689/G, dated 15.09.2021.
9	Previous Environmental Clearance (EC)	:	Previous EC granted by SEIAA, Jharkhand vide letter no. EC/SEIAA/ 2018-19/2198/2019/11, dated 13.04.2021.
10	EC compliance	:	Self certified compliance report by Project Authorities.

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WORKING DETAILS

1	Mining Method	:	Opencast semimechanized Mining method
2	Quarry Area	:	9.50 ha.
3	Waste Generation	:	73786.25 cum
4	Stripping Ratio	:	0.04
5	Working Days	:	300
6	Benches: size & No	:	6m to 6m
7	Elevation of Mine	:	380 AMSL to 350AMSL
8	Ground Level Elevation	:	335AMSL
9	Ultimate Working Depth	:	341 AMSL
10	Water Table	:	335 AMSL
11	Topography of Mine	:	Area represents hillock of dolerite
12	Explosive Requirement	:	90 kg/day
13	Diesel/Fuel requirement	:	2000 litre/day

PRODUCTION DETAILS

Year	Production of stone (Tonnes)	O/B waste (cum)	Generation of I/waste(cum)	Total waste (cum)	Stripping Ratio (cum/t)
1 st	349424.16	0.00	13915.74	13915.74	0.04
2 nd	349216.29	0.00	13907.46	13907.46	0.04
3 rd	349428.04	4216.65	13915.89	18132.54	0.04
4 th	349404.52	0.00	13914.96	13914.96	0.04
5 th	349419.49	0.00	13915.55	13915.55	0.04
Total	1746892.50	4216.65	69569.59	73786.25	0.04

Land Use

Pattern of Utilization	Existing land use	Plan Period	Conceptual Stage
	Ha	Ha	Ha
Quarry	0.934	6.841	8.527 (0.672ha area shall be used for backfilling & 6.774 ha area shall be left as water reservoir)
Road	0.232	0.004	0.004

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Dump	Nil	1.555	Nil (waste dump shall be removed & backfilled)
Safety Zone Plantation	Nil	0.969	0.969
Total	1.166	9.369	9.500
Unused Area	8.334	0.131	0.000

ENVIRONMENT MANAGEMENT

Green Belt Development

- Afforestation will be done along the barrier zone. About 7590 no of plant of different species will be planted in five years.

Solid Waste Management:

- It is proposed that the total wastes will be used in making and maintenance of haul road and village road, so there is no requirement of waste dumping Plan for this mining plan period.

Water Quality Management:

The impact of mining project on groundwater hydrology and surface water regime are site specific and depends upon the characteristics of the mineral, hydrogeology and requirement of groundwater for other uses.

Following water pollution control measures are proposed:

- The quarrying activity will be confined to the lease area and there are no perennial streams or nalas present over there.
- To prevent the siltation, garland drain along with settling tank will be constructed around the lease area to maintain the natural flow of surface run-off during rains.
- Rain water collected in the excavated area will be pumped into the garland drain upstream of settling tank.
- Settling tanks will be de-silted regularly, especially before onset of the monsoon season.
- No effluent will be generated during the mining operation.
- Sewage from washrooms will be treated in septic tanks and disposed in Soak pits.

i. SURFACE WATER MANAGEMENT

There is no surface water body within the 500m radius of this lease area so surface water will not be contaminated due this mine, etc.

ii. GROUND WATER MANAGEMENT

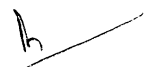
This mining is not going to intersect the ground water. Hence water quality will not be changed in the surrounding area due this mine, etc.

Air Quality Management:

The method of mining is open cast semi mechanized operation which involved controlled drilling and blasting. Hence, it is expected that the ambient air quality may slightly change

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significantly & dust particles get generated during various mining activities. This activities lead to increase in PM₁₀ & PM_{2.5} level in the ambient air. The major source of dust generation will be from transportation of material. However, following measures will be adopted to minimize fugitive dust emission:

- Tractor water tanker shall be used to irrigate plantation.
- Grading of haul roads, service roads time to time, to remove the accumulated dusty material.
- Proper maintenance of the earth moving equipment and vehicles, checking of exhaust emission and imposing of speed restrictions on them.
- Twice in a week, water sprinkling will be done on haul and approach roads by water Tanker.
- Two row plantations will be carried out in the barrier zone.
- The trucks with loading material will be covered with tarpaulin sheets and Speed of the vehicles will be maintained within the prescribed limits.
- Only "Pollution Under Control" certified vehicles will be used for transportation
- Half yearly monitoring will be carried out of air, water, soil and noise.
- PPE Kit (Helmet, boots, Mask, sanitizer etc) will be provide for each of the mining worker.

Undertaking submitted affirming:

- a. Ground water will be used only for domestic purpose and not be used for any mining activities or any other use.
- b. The District survey Report has been prepared by a competent authority. Project Authorities will abide by any directives issued by any court of law in future.
- c. If any changes are noticed in future regarding the contiguous / cluster area report issued by the mines department, then the applicable laws / rules will be binding on the Project Authorities and all necessary steps will be taken in this regard.
- d. The Boundary Pillars of the proposed mine lease area will be maintained properly.
- e. One day post monsoon baseline data related to environment monitoring will be submitted with the first compliance report.
- f. The plantation work will be completed within the first year of operation. Thereafter the same will be maintained up to the Conceptual stage of the Mine.
- g. Sufficient water spray using water tankers will be done for effective dust suppression within the mine lease area and on haul roads.
- h. All the mining machineries / equipment and transport vehicles should be maintained in good condition and annually tested for fitness and PUC and records to be maintained.
- i. If any tree felling is required permission should be taken from competent authority.

The Project Authorities have submitted the above mentioned document.

Based on the facts mentioned above the committee recommends that earlier issued Environmental Clearance should be amended as mentioned above alongwith rest other terms



& conditions mentioned in previous Environmental Clearance letter no. EC/SEIAA/2018-19/2198/2019/11, Ranchi, Date : 13.04.2021 shall remain the same.”

4. The recommendation of SEAC, Jharkhand in this regard has been examined by the State Level Environment Impact Assessment Authority, Jharkhand in its 101st meeting held on 23rd and 24th January, 2023 and decided **amendment of Environmental Clearance** to the said project proposal as recommended by SEAC alongwith all other terms and conditions of earlier EC letter no. **EC/SEIAA/2018-19/2198/2019/11**, Ranchi, Date : **13.04.2021** shall remain the same.

5. This issues with the approval of SEIAA, Jharkhand.

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No.- EC/SEIAA/2022-23/2714/2023/1400

Ranchi, Date : 01/02/2023

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District – Ramgarh, Jharkhand.
3. Divisional Forest Officer, Ramgarh Forest Division, Ramgarh, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Integrated Regional Office, Ranchi, Ministry of Environment, Forest and Climate Change, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. District Mining Officer, District - Ramgarh, Jharkhand.
8. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
9. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
10. Website.
11. Guard file.

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand