

MINUTES OF THE 75TH MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 24TH, 25TH & 26TH JULY, 2019

The 75th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 24th 25th & 26th July, 2019 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

The following members were present :

1. Sri K.P. Bhawsinka - Chairman
2. Dr. B.K. Tewary - Member
3. Dr. R. N. Singh - Member
4. Dr. V.P. Sinha - Member
5. Sri Y.K. Singh - Member
6. Sri S.P. Srivastava - Member
7. Sri U.P. Singh - Member
8. Sri Om Prakash - Member Secretary

Dr. R. V. Singh and Sri M.S. Bhagwat, Member, SEAC could not attend the meeting due to personal reason.

SEIAA forwarded various projects to the SEAC for the technical appraisal after the last SEAC meeting held on 10th, 11th & 12th July, 2019. These projects have been put up for discussions. Besides, these Projects, wherein PP's were asked to provide requisite informations / clarifications in SEAC earlier meeting, were also considered for appraisal. The Project Proponents have been asked to make technical presentation for the appraisal of their projects before the committee.

The following observations /recommendations were made during the presentation (Project -wise), as under:-

Day 1 : July 24, 2019 [Wednesday]

● **Discussion on matter related to :**

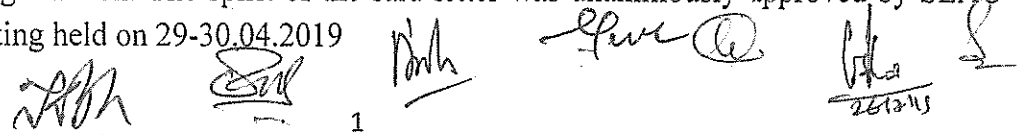
i. Minutes of the 75th Meeting of SEIAA, Jharkhand held on 04.07.2019.

a. Regarding review of EC granted earlier, without getting proper clearance from NBWL / SBWL

M.S., SEIAA vide memo no. 338 dated 29.12.2018 and letter no. 104 dt. 01.03.2019 had forwarded 40 projects of minor minerals for re-appraisal of the same, so as to ascertain the legality of recommendation in the said cases, with reference to JSPCB lt. no. B-1286 dt. 13.12.2018. The JSPCB has sought as to whether DFO certificate (reg. distance from Wildlife Sanctuary / National Park / Notified forest) has been considered or not, while granting EC.

The M.S., SEAC vide letter no. 60 to 99 dt. 24.04.2019 requested all the PPs of the said 40 projects to submit DFO certificate ((reg. minimum distance of forest / National Park / Sanctuary etc.) and C.O. certificate (reg. whether the class of land is Jungle-Jhari or not), within one month from the issue of letter, failing which SEAC would recommend for appropriate legal action. The spirit of the said letter was unanimously approved by SEAC in its 70th meeting held on 29-30.04.2019

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SEAC in its 72nd MOM held on 27-30.05.2019 opined that “Now that the compliance period quoted in aforesaid SEAC letters dt. 24.04.19, has been expired on 24.05.19, accordingly, 40 projects enlisted in the said list could not be allowed to operate their mining projects, since their EC granted earlier without pre-requisite, is legally invalid.”

Thus, SEAC had recommended that all 40 projects, which were earlier granted EC, be put on abeyance under section 5 of Environmental (Protection) Act, 1986 and appropriate legal action be initiated against these mines.

Now SEIAA in its 75th MOM held on 04.07.19 has asked to reconsider its earlier recommendation.

On reconsidering the said 40 projects, these 03 projects have been found within permissible parameter as per the “details” enlisted in SEIAA letter dated 01.03.19.

- (i) Purnadih Stone Mine of M/s Umakant Rana, Vill. : Purnadih, Dist. : Koderma (0.34 ha).
- (ii) Purnadih Stone Mine of Sri Ishwar Saw, Vill. : Purnadih, Dist. : Koderma (0.52 acres).
- (iii) Purnadih Stone Mine of M/s Rangnath Singh, At + P.O : Masnadih, Dist. : Koderma (0.95 ha).

However, said “details” have to be verified by scrutiny of proper certificates from concerned DFO.

SEAC finally recommends, except above 03 mining projects, the other 37 mining project files be remanded back to SEIAA with recommendation that EC of the rest of the said 37 projects be kept in abeyance, as per the provision of E (P) Act, 1986 and mining operation should be suspended till legally valid EC are granted to these projects.

① In the meantime SEAC stands on earlier recommendation for the mining operation be suspended immediately for the ^{remanded} 37 mines.

b. So far as legal opinion of Sri Bhanu Kumar, Advocate is concerned, reference letters have not been provided accordingly it is not possible to make any comment.

ii. **JSMDC Ltd. letter no. 1962, dated 06.07.19 regarding method of mining for sand projects of JSMDC Ltd.**

Vide his letter no. 1062, dated 06.07.19 Sri Aboobacker Siddique P., CMD, JSMDC Ltd. has put forward the viewpoint regarding method of sand mining of JSMDC Ltd. The committee discussed thoroughly the concern of CMD, JSMDC. The committee uniamously observed and resolved the following :

The committee do appraisal of sand mining projects for EC, as per the provision of the Sustainable Sand Mining Management Guidelines, 2016. The provisions of the said Guidelines relevant to refer, are as under :

1. Page no. 51 of ~~the~~ Sustainable Sand Mining Management Guidelines, 2016 Para (iii)(a) It is clearly mentioned that “*the mining shall be done manually.*” The depth of mining shall be restricted to 3m/water level whichever earlier.

2. Appendix Table - 5 under serial no. 04 meant for Jharkhand in the said Guidelines, 2016, only manual method of mining has been quoted as common method and practice of Sand Mining.

3. Similarly Appendix : Table 6 of the Guidelines, 2016 Suggestions/Recommendations from Jharkhand State for Environmentally sustainable Sand Mining under Sl.no. 07 ~~please read~~ "Machine should not be used in Sand Mining, only manual mining should be done."

Besides, the geographical and geological set up of Jharkhand State is predominantly rugged hilly terrain comprised of mostly straight channel with narrow flood plains, which in general, would have greater impact on the natural hydrological process than excavation on a braided channel with wide flood plains. The CMD has referred the prevailing river-sand mining in states like Rajasthan, Punjab, Gujrat etc., wherein semi mechanized mining is allowed, have certainly different geographical and geological conditions of river sand ~~natural~~ hydrological process. MoEF in the referred guidelines for sand mining has already recommended / allowed semi mechanized sand mining in these states.

Therefore Committee is constrained to recommend only Manual method of Mining in Sand Projects in Jharkhand for grant of EC.

Further, if we relook into the documents submitted by JSMD, its observed that the mine plans were prepared without considering the norms for the Sustainable Sand Mining Management Guidelines, 2016 of MoEF&CC and the Sand Mining policy of the Govt. of Jharkhand by the QP of the Environmental experts and surprisingly the competent authority has also approved the Mine plans with shortcomings. For example in case of Pandaniya sand deposit Mining plan has been prepared for Sand Mining in the perennial flow of the river bed.

In some cases the riparian zone is not marked. Stock-yard for sand is not considered in the Mine Plan which is an essential part of the Sand Mining Projects, as per the Guidelines. The Govt. of Jharkhand has recommended mining up to 50% to 60% of the reserve, but in most of the projects have shown production more than 60%. Unscientific Sand Mining will have adverse effect on the health of the rivers. It is well known fact that most of the rivers of Jharkhand are sick. So based on the location, thickness of Sand deposit and sedimentation manual method of Sand Mining should be preferred over the other method in general.

Under these circumstances the committee recommends **only manual method of mining of river sand deposit in Jharkhand State.**

4. In O.A. no. 44/2016 related to UP & Haryana States the Hon'ble NGT, Principal Bench, New Delhi passed an order dated 05.09.18 wherein the affidavit submitted by MoEF&CC has been quoted, which is under :

9. *The MOEF&CC further states that environmental considerations are important to sustain quality of life and to balance the demands of economic developments and need for protection of environment. Manual mining is mining done by workers manually. If a machine is used the mining will be mechanized mining. Transportation is done by using tractors and trucks. Different mining methods mentioned of pit excavation, dry pit, wet pit, bar skimming (scalping), pit mining, Terrance mining, mechanical dredging and suction using dredgers/ pumps and scrapping.*

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10. According to the MOEF&CC, following steps are required for regulating the sand mining:

- “(i) Identification of river stretches and their demarcation for mining must be completed prior to mining for sustainable development.
- (ii) The river bed mining be allowed in dry stretches of sand aggradations manual in rivers with width up to 100 meters.
- (iii) The river bed mining be allowed in dry stretches of sand aggradations both manually and mechanized in rivers with width more than 100 meters. The excavators being used for river bed mining should be with bucket capacity of 1 cubic meter and maximum boom length of 3 meters.

5. The committee observed that as per Sustainable Sand Mining Guidelines, 2016, the environmental damages is noticeable due to mining in river bed and in riparian zone. These two zones of the river is very sensitive and regular movement of transport & mining vehicles may damage the ecology of the zone. These zones, therefore needs special protection.

6. However MoEF&CC has not issued any notification in consonance with the said Hon'ble NGT order in this regard. Therefore, it becomes very pertinent to seek the further clarification whether the direction of MoEF as referred in the said NGT order regarding method of mining for width more than or less than 100 m be applicable for Jharkhand State too, or not, since in Jharkhand river width are normally narrow due to hilly region.

iii. **Site Visit Report to Madhopur & Parodih Stone Mine of M/s Mahesh Kr. Verma & Others, Vill. : Madhopur & Parodih, Dhanwar, Giridih (0.52 ha).**

Dr. B.K. Tewary & Sri U.P. Singh, Member, SEAC, Jharkhand has submitted a field visit report which was conducted on 16.06.2019.

Introduction: With reference to SEAC letter no 58/ dated 22.04.2019, 133 dated 14.06.2019 and a field inspection was carried out on 16.06.2019 in the project site of Madhpur and Parodih ,Dhanwar, Giridih district with objective to verify the status of mine and the plot number to be modified as per the minutes of 67th meeting of SEAC, 25-27th February 2019 (refer Agenda number 12).

1.1 Location: The stone mine under reference is located near village Madhopur and Parodih villages, District-Giridih, in Jharkhand state. The area is bounded by Latitude 24^o21'00.2"N : 24^o21'03.8"N and Longitude 85^o54'47.5"E: 85^o54'52.2"E.

1.2 Lease boundary in terms of Plot status:

The khata number 25,Plot numbers 3/1129(p) and Khata number 14,Plot number 284/1 have been found to tally with the supplied coordinates in their application and Mining plan. This has been ascertained by geo-referencing of the said plots with GPS data verified during the visit (figure-2). Therefore, the rectification of the plot number as misprint error in the EC should be done by SEAC /SEIAA.

2. Mining: The mine is under operation as freshly broken face and mine dumps were noticed. Mining operation has been carried out by the PP without development of proper benches rather hazardous vertical walls about 10 metre deep as narrow trenches have been excavated with

almost zero safety factors. The mine has reached to high risk zone where chances of collapsing of mine can happen in future which may cause danger to human life that can be workers or stray animals from neighbouring villages. The mine has touched to ground water table and gushing of ground water in the mine is another concern of the stone mine which the PP is trying to manage by continuous pumping.

3. Conclusion:

The plot number can be rectified as per the request of the applicant as the visiting team found it to be correct. However, till the correction and rectified EC granted by SEIAA, no mining operation should have been done. This may be taken as case of deliberate violation. The mining operation is continued but neglect of large scale safety factors has caused hazardous condition of the mine.

The report was discussed by all the members of the committee & opined that this is a very grave situation that though the application of change of plot no. is lying pending, the proponent has been doing mining in a large scale. The mining activity is very unscientific in the process disturbing the ecology of the area violating the E (P) Act, 1986.

9 Finally, SEAC recommends to SEIAA for immediate stoppage of the mining operation & penal action ^{should} be ^{initiated} introduced.

• Consideration of Proposals

i. New Ranchi High Court Building & Residential Complex of Building Construction Department, Govt. of Jharkhand at Site -1, HEC Campus, V ill. : Tiril, Dhurwa, Ranchi.

(Proposal No. : SIA/JH/NCP/22998/2018)

This project i.e. proposed New Ranchi High Court Building and Residential Complex is developing by Greater Ranchi Development Agency limited (GRDA), an undertaking of Govt. of Jharkhand, at Site1 HEC Campus, Village Tiril Dhurwa, Ranchi, Jharkhand. The New High Court Building and Residential Complex & allied facilities on a site.

Brief of the project :

- HEC Site-1 covers an area of 1,902.64 acres and is located in the South-Western part of the Ranchi city at a distance of approximately 3 km from Ring road and approximately 2 km from NH-75. Major part of the site is located within Ranchi Municipal Corporation limit.
- M/s The Building Construction Department (BCD), Government of Jharkhand, Ranchi has undertaken the construction and development of the Proposed New Ranchi High Court Building and Residential Complex & allied facilities on a site comprising about 165 acres of land within HEC Campus, Village Tiril, Dhurwa, Ranchi.
- The project is being developed on the total plot area of 664994.1m² . The built up area of the proposed project is 118552.98 m² .
- The -vide letter no. -5/S. bhu (GRDA)-320/2012 /1785/S dated 28.04.2015 from Revenue and land reform department , Jharkhand to Managing Director Greater

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Ranchi Development Agency Limited regarding Deed of Conveyance-As Relinquishment of 2035.14 acre land.

- The Project is designated under Category "B" and falls under Item 8(b) (Township & Area development Project) due to plot area is more than 50 ha. as per Environmental Impact Assessment (EIA) Notification of September 14, 2006 and its amendments.
- The project is a violation case since the BCD, Government of Jharkhand, Ranchi have started the construction without obtaining prior EC. In order to obtain EC from MoEF&CC we are applying to EAC, MoEF&CC to get the EC as per procedure prescribed in Notification dated 14.03.2017.

Chronological Events :

S.No	Particulars	Dates
1.	Construction Work Started	January 2016
2.	Proposal submitted to MoEF & CC in violation category	11 th September 2017
3.	Construction Work Stopped	October 2018
4.	Transferred proposal to SEIAA Jharkhand	28 th March 2018
5.	EDS Letter	24 th May 2018
6.	TOR Proposal (Resubmission) EDS reply	18 June 2019
7	Acceptance of TOR Proposal	5 th July 2019

Salient features of the project:

1.	Name of the project	New Ranchi High Court Building and Residential Complex
2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)
3.	Category of the project	8(b) (Township & Area development Project)
4.	Project location	Site1 HEC Campus, Village Tiril Dhurwa, Ranchi, Jharkhand Latitude 28° 18'35.99"N -23°18'29.3"N Longitude 85° 15'58.32"E-85°16'11.2"E

5.	Plot area	664994.1m ² (66.76Ha) (165 Acers)
6.	Permissible Ground Coverage @ 50 % of Plot area	332497.030 sqm
7.	Achieved Ground Coverage @ 8.9% of Plot area	59184.471 sqm
a.	Total Area for Phase I	36019 (5.4%)
b.	Total Area for Phase 2	6,652.80(1.0%)
c.	Total Area for Phase 3	16,512.67(2.48%)
8.	Permissible FAR @ 2	1329988.120 sqm
9.	Achieved FAR @0.18	119698.931 sqm
a.	Total Area for Phase I	87055.000 sqm
b.	Total Area for Phase 2	10261.200 sqm
c.	Total Area for Phase 3	21236.78 sqm
10.	Built up Area	118552.98 sqm
11.	Proposed Open Area @84.40% of Plot area	605809.5887sqm
12.	Permissible Green @ 10 % of Plot area	60580.959 sqm
13.	Proposed Green Area @ 10 % of Plot area	60580.959 sqm
14.	Proposed RWH pits	No.-18
15.	Maximum Building Height	16 meter
16.	Road area	44515.35 sqm
17.	Nearest Airport / Railway	Birsa Munda Airport, approx. 5 Km towards East
18.		

S. No.	Particulars	Area in Sq.m.
1	Total Plot Area	664994.1
2	Permissible Ground Coverage @ 50% of plot area	332497.030
3	Proposed Ground Coverage @ 8.9 % of plot area	59184.471
4	Permissible FAR @ 2 of plot area	1329988.120
5	Proposed FAR @0.18 of plot area	119698.931
a	Total Area for Phase I (Built up area)	87055.000

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	Court Block	59871.000
	Advocate Block (BLOCK-1)	13592.000
	Advocate Block (BLOCK-2)	13592.000
b	Total Area for Phase 2 (Built up area)	10261.200
	Typist Block-1	1106.7
	Typist Block-2	1106.700
	Bar Council	1554.600
	PO, Bank, Utility	718.200
	Dispensary	748.100
	Auditorium	5,026.90
c	Total Area for Phase 3 (Built up area)	21236.78
	Hon'ble Chief Justice's Residence	977.61
	Hon'ble Judges' Residence	15,777.78
	Registrar General Residence	606.84
	Registrars' Residence	3,437.76
	Out House	436.80
6	Built up area	118552.98

Building Blocks :

S. No.	Description	No. of Floors	No. of Blocks/Chamber
1.	Court Block	G+2	25
2.	Advocate Chambers (Block 1 & 2)	G+2	500
3.	Typist (Block 1 & 2)	G+1	-
4.	Bar Council	G+1	-
5.	PO, Bank, Utility	G+1	-
6.	Auditorium	G+2	-
7.	Dispensary	G	-
8.	Residential Complex	G+1	39

9.	Out Houses	G	8
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S. No.	Connectivity & Site Surroundings		
	Description		Distance and Direction
1	Nearest Railway Station	Hathia Railway Station Argora Railway Station Ranchi Railway Station	4 km towards East 5.64 km towards North East 7.4 km towards North East
2	Nearest Airport	Birsa Munda, Ranchi Airport	4.6 km towards East
3	Nearest Settlement Area	Dhurwa HEC Colony Village Kute Adarsh Nagar	1.9 km towards South East 1.6 km towards South East 0.78 km towards North West 1.00 km towards South
4	State Boundary	Jharkhand-West Bengal state border	57 Km towards East
5	Nearest Highway/Roads	NH -75 Nayasarai Road Ring Road	2.6 Km towards East 0.18 km towards North 2.5 km towards West
6	Water Bodies	Dhurwa Dam Chitranjan Lake	1.8 km towards South West 0.75 Km towards East
7	Nearest School & College	J.N. Collage State Board of Technical Education Sardar Patel Kanya Mahavidyalaya	1.8 km towards South East 1.95 km towards South East 2.3 Km towards North East
8	Nearest Hospital	Ispat hospital Summer Hospital & Research Center Pvt. Ltd. Vatsalya Children hospital	3.8 km towards North East 4.5 km towards West 5.4 km towards North East
9	Places of worship	Jagannath Temple GEK Church Dibdih	1.0 km towards North East 3.6 km towards North East
10	Important Settlements	CRPF Camp JSCA International Stadium Complex	1.5 Km towards North West 0.25 Km towards South East

Total Plot area	664994.1m ²
Open Area	605809.5887 m ²
Landscape area required@ 10% of open area	60580.959 m ²
Landscape area proposed @ 10% of open area	60580.959 m ²

Water requirement:

During construction phase, source of water is private water tanker. It is estimated that water demand during the construction phase may vary from 50 KLD. Water requirement during the operational phase will be met through either Municipal supply (Ranchi Municipal Corporation or Ground water after taking permission from CGWA). The total water requirement for the proposed project has been estimated to be 353 KLD. Total domestic water requirement of the project is estimated as 193 KLD.

Power requirement:

Estimated power load for the project is 4000 KVA. Source of the power will be Jharkhand State Electricity Board. Power back-up will be provided through DG sets in case of power failure. 2 nos DG sets of 2000KVA (1*1500 KVA +1*500 KVA) each will be provided for power back-up.

Parking facility:

The total parking required is 1250 and proposed parking is 1350 ECS.

As per Jharkhand Bye laws, the required parking is 1250 ECS but we proposed parking of 1350 ECS on the surface level

Solid waste generation and management

It is estimated that maximum solid waste generation would be about 717.15kg / day and 121.576 kg of sludge (wet basis). Organic waste converter shall be providing to manage the biodegradable waste. Small area will be designated for secondary processing, where the proper segregation of waste will take place before sending it for proper disposal. These solid wastes will be collected separately by putting three types of separate bins at the source of generation. For the biodegradable waste green bins will be provided, for the Non-biodegradable waste White bins and for the domestic hazardous waste black bins will be provided. The E-waste (Discarded computers, copiers, fax machines, electric lamps, cell phones, audio equipment, etc) generated will be managed as per the E-Waste (Management) Rules, 2016. The Hazardous waste (Used Oil, Oil Contaminated Wastes) generated will be managed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

PP and the consultant presented the project and submitted the earlier required documents. They admitted that the large amount of construction work has been before the grant of EC. Thus this is a violation case as per the E (P) Act, 1986 as construction work 70% completed without prior EC.

④

SEAC is concerned to find the avoidance of E (P) Act by the implement agency of a number of projects in the plea of ignorance. There is a need to identify the reason of lapses of not taking prior EC before starting the work. This amounts to repeated violation under E (P) Act.

SEAC committee discussed in detail opined that this case will be dealt as per MoEF&CC notification S.O. 1030 (E), dated 08.03.18 and violation EC could be provided an submission of following documents immediately. These are :

- i. PP to submit an Undertaking / Affidavit that the work has now been stopped till the EC awarded.
- ii. The work order / scope of work to the Architect / Contractor as the work was awarded in the January, 2016.
- iii. DFO certificate regarding distance of Forest / National Park / Bio-Diversity Park / Sanctuary / Eco Sensitive Zone.
- iv. CO certificate regarding class of land (whether as Jangle Jhari or not).

Site visit is necessary as per the MoEF&CC notification S.O. 1030 (E), dated 08.03.18 to identify the damage to environment and assessment of corrective measures to be adopted in violation ToR to be issued.

The committee decided to visit the site and communicated to the PP in meeting itself, whereby the PP agreed.

Site visit was conducted on 26.07.19 in the fore noon in presence of PP, while the consultant was absent. The report of site visit will be submitted in the next meeting and SEAC will finally consider for further action.

v. Proposed Rehabilitation & Resettlement Package for HEC Displaced Persons of M/s Greater Ranchi Development Agency Ltd. (GRDA) at Site 1, HEC area, Vill. : Aani, Dhurwa, Ranchi. (Proposal No. : SIA/JH/NCP/22997/2018)

The proposed project is of Rehabilitation & Resettlement Package for HEC displaced persons developing by Greater Ranchi Development Agency limited (GRDA) of Jharkhand at Site-1, H.E.C area, Aani Dhruwa, Ranchi, Jharkhand. The project comprises of the Residence houses, Primary School, Community Centre and Convenience Shopping etc.

The Proposed project is being developed on the total plot area of 236835.4 sq.m. & the built up area of the proposed project is 48890.54 sq.m. including the FAR.

Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1,50,000 sq m and development area is less than 50 ha. The proposed project is under violation as work Started onsite without prior EC under EIA, notification,2006.

Salient features of the project:

1.	Name of the project	Rehabilitation & Resettlement Package for HEC displaced persons
2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)

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3.	Category of the project	8 (a) Building and Construction Projects
4.	Project location	Village Aani Dhruwa, Ranchi. Jharkhand Latitude : 23°19'22.9"N to 23°19'35.8"N Longitude : 85°17'03.8"E to 85°17'02.4"E
5.	Total Plot Area	236835.4 sq.m.
6.	Permissible Ground Coverage @ 50% of plot area	118417.719 sq.m.
7.	Proposed Ground Coverage @ 20.505 % of plot area	48563.107 sq.m.
8.	Permissible FAR @ 2 of plot area	473670.877 sq.m.
9	Proposed FAR @0.2 of plot area	48563.986 sq.m.
a	Area for 400 DU	47184.000 sq.m.
b.	Pre Primary School (G+1)	674.809 sq.m.
c.	Community Centre	460.736 sq.m.
d.	Convenience Shopping (2 NOS)	328.764 sq.m.
e	WW	109.56 sq.m.
f	LCS	132.67 sq.m.
	Total Built-up Area	48890.54 sq.m.
8.	Open Area (plot area - achieved ground coverage)	188272.3318 sq.m.
9.	Landscape area provided@10% of open area	18827.233 sq.m.
10.	Paved Area	169445.099 sq.m.
11.	Nearest Airport / Railway	Birsa Munda Airport, approx. 2.3 Km towards East
12.	Total Water Requirement	KLD
13.	Fresh Water Requirement	179 KLD
14.	Wastewater Generation	215 KLD
15.	Capacity of STP	STP - 260 KLD
16.	Solid Waste Generation	867 kg/day
17.	Parking Required & Provided	400 ECS
18.	Power Demand & Source	1020 KVA(by JSEB)
19.	RWH Pits	15 pit

S. No.	FEATURES	DESCRIPTION	DISTANCE & DIRECTION
1.	Location	Site-1, H.E.C. Area, Village-Aani, Dhruwa, Ranchi, Jharkhand.	

2.	Connecting road	Nayasarai Road Ring Road	0.6 km towards South 3.7 Km towards West
3.	National Highway	NH-75 NH-23	1.9 Km towards East 5.2 Km towards North West
4.	Nearest Railway Station	Hatia Railway station Ranchi Railway station	4 km towards South East. 3.8 Km towards North East
5.	Airport	Birsa Munda Airport, Ranchi	2.3 Km towards East

Water requirement:

During construction phase, source of water is private water tanker. It is estimated that water demand during the construction phase may vary from 20 KLD. Water requirement during the operational phase will be met through either Municipal supply (Ranchi Municipal Corporation or Ground water after taking permission from CGWA). The total water requirement for the proposed project has been estimated to be 310 KLD. Total domestic water requirement of the project is estimated as 176 KLD.

Power requirement:

Estimated power load for the project is 1020 kVA. Source of the power will be Jharkhand State Electricity Board. DG Sets are not proposed for power back up.

Parking facility:

The total parking 400 ECS has been proposed as 1 ECS for per Dwelling unit.

Solid waste generation and management

It is estimated that maximum solid waste generation would be about 867 kg/day and 156.52 kg of sludge (wet basis). Organic waste converter shall be providing to manage the biodegradable waste. The domestic solid waste will be generated by the occupants of the R & R Packages, pertains to the two categories, Bio-degradable and Non-biodegradable. Small area will be designated for secondary processing, where the proper segregation of waste will take place before sending it for proper disposal. These solid wastes will be collected separately by putting three types of separate bins at the source of generation. For the biodegradable waste green bins will be provided, for the Non-biodegradable waste White bins and for the domestic hazardous waste black bins will be provided. The E-waste (Discarded computers, copiers, fax machines, electric lamps, cell phones, audio equipment, etc) generated will be managed as per the E-Waste (Management) Rules, 2016. The Hazardous waste (Used Oil, Oil Contaminated Wastes) generated will be managed as per the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016.

DFO, Ranchi Division vide letter no. 3245, dated 10.07.19 certified that the distance of notified forest is 1100 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary, not under the No Mining Zone, and proposed project is not situated in any ESZ.

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PP and the consultant presented the project and submitted the earlier required documents. They admitted that the large amount of construction work has been before the grant of EC. Thus this is a violation case as per the E (P) Act, 1986 as construction work without prior EC.

SEAC is concerned to find the avoidance of E (P) Act by the implement agency of a number of projects in the plea of ignorance. There is a need to identify the reason of lapses of not taking prior EC before starting the work. This amounts to repeated violation under E (P) Act.

SEAC committee discussed in detail opined that this case will be dealt as per MoEF&CC notification S.O. 1030 (E), dated 08.03.18 and violation EC could be provided an submission of following documents immediately. These are :

- i. PP to submit an Undertaking / Affidavit that the work has now been stopped till the EC awarded.
- ii. The work order / scope of work to the Architect / Contractor as the work was awarded earlier.
- iii. CO certificate regarding class of land (whether as Jangle Jhari or not).

Site visit is necessary as per the MoEF&CC notification S.O. 1030 (E), dated 08.03.18 to identify the damage to environment and assessment of corrective measures to be adopted in violation ToR to be issued.

The committee decided to visit the site and communicated to the PP in meeting itself, whereby the PP agreed.

Site visit was conducted on 26.07.19 in the fore noon in presence of PP and the consultant. The report of site visit will be submitted in the next meeting and SEAC will finally consider for further action.

iv. Proposed Assembly Building (Jharkhand Vidhan Sabha) of M/s Greater Ranchi Development Agency Ltd. (GRDA) at Site 1, HEC area, Vill. : Kute, Dhurwa, Ranchi.

(Proposal No. : SIA/JH/NCP/23001/2018)

This project i.e. proposed Assembly Building (Jharkhand Vidhan Sabha) is developing by Greater Ranchi Development Agency limited (GRDA), an undertaking of Govt. of Jharkhand, at Site-1, H.E.C area, Village-Kute, Dhruwa, Ranchi. The Assembly Complex comprises of the prestigious Assembly Building, the highest seat of democracy where peoples' representatives.

The Proposed Assembly Building is being developed on the total plot area of 1, 59,523 sq.m. The built up area is 56,579.5 sq.m. Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1,50,000 sq m and development area is less than 50 ha. The Assembly Complex comprises of the prestigious Assembly Building, the highest seat of democracy where peoples representatives shall formulate laws / public policies, supporting offices & staff and is equipped with world class state-of-the-art infrastructure. The proposed project is under violation as work Started onsite without prior EC under EIA, notification,2006.

Salient features of the project :

1.	Name of the project	Proposed Assembly Building (Jharkhand Vidhan Sabha)
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2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)
3.	Category of the project	8 (a) Building and Construction Projects
4.	Project location	Village Kute, Dhruwa, Ranchi, Jharkhand Latitude : 23°19'27.85"N to 23°19'19.39"N Longitude : 85°16'15.30"E to 85°16'21.24"E
5.	Plot area	1, 59,523 sq.m.
6.	Permissible Ground Coverage @ 50 % of Plot area	79, 761.5 sq.m.
7.	Achieved Ground Coverage @ 15.6% of Plot area	24,834.14 sq.m.
a.	Assembly Building	15,743.891 sq.m.
b.	Service Block	2,292.69 sq.m.
c.	Parking Block	6,522.156 sq.m.
d.	Watch Tower	242 sq.m.
e.	Gate house	162 sq.m.
8.	Permissible FAR @ 2.5	3,98,807.5 sq.m.
9.	Achieved FAR @0.355	56,579.5 sq.m.
a.	Assembly Building	46,699.289 sq.m.
b.	Service Block	2,953.055 sq.m.
c.	Parking Block	6,522.156 sq.m.
d.	Watch Tower	243 sq.m.
e.	Gate house	162 sq.m.
10.	Built up Area	56,579.5 sq.m.
11.	Proposed Open Area @84.35% of Plot area	1,34,560.263 sq.m.
12.	Permissible Green @ 10 % of Plot area	15,952 sq.m.
13.	Proposed Green Area @ 66.76 % of Plot area	1,06,500 sq.m.
14.	Maximum Building Height	38.51 meter
15.	Paved Area	28,060.263 sq.m.
16.	Nearest Airport / Railway	Birsa Munda Airport, approx. 5 Km towards East

S. No.	FEATURES	DESCRIPTION	DISTANCE & DIRECTION
1.	Location	Site-1, H.E.C. Area, Village- Kute, Dhruwa, Ranchi, Jharkhand	

2.	Connecting road	Nayasarai Road Ring Road	1 Km towards South 2 Km towards West
3.	National Highway	NH-39 NH-75 NH-23	2 Km towards West 8.0 km; NE 3.5 Km towards East 4.5 Km towards North West
4.	Nearest Railway Station	Hatia Railway station Piska Railway station	4 km towards South East. 6 Km towards West
5.	Airport	Birsa Munda Airport	5 Km towards East

Water requirement :

During construction phase, source of water is private water tanker. It is estimated that water demand during the construction phase may vary from 24 KLD. Water requirement during the operational phase will be met through either Municipal supply (Ranchi Municipal Corporation or Ground water after taking permission from CGWA). The total water requirement for the proposed project has been estimated to be 170 KLD. Total domestic water requirement of the project is estimated as 69 KLD.

Power requirement:

Estimated power load for the project is 4000 kVA. Source of the power will be Jharkhand State Electricity Board. Power back-up will be provided through DG sets in case of power failure. 2 nos DG sets of 2000 kVA each will be provided for power back-up.

Parking facility :

Project proposed 364 number of parking.

Type of parking	Number of parking
Covered Car parking	188
Open Car Parking	154
Ambulance and Security Vehicle	8
Fire Tender Parking	2
Parking for disabled	12
Total Parking	364

Solid waste generation and management

It is estimated that maximum solid waste generation would be about 357.36 kg / day and 65.52 kg of sludge (wet basis). Organic waste converter shall be providing to manage the biodegradable waste. Small area will be designated for secondary processing, where the proper segregation of waste will take place before sending it for proper disposal. These solid wastes will be collected separately by putting three types of separate bins at the source of generation. For the biodegradable waste green bins will be provided, for the Non-biodegradable waste White bins and for the

domestic hazardous waste black bins will be provided. The E-waste (Discarded computers, copiers, fax machines, electric lamps, cell phones, audio equipment, etc) generated will be managed as per the E-Waste (Management) Rules, 2016. The Hazardous waste (Used Oil, Oil Contaminated Wastes) generated will be managed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

DFO, Ranchi Division vide letter no. 3242, dated 10.07.19 certified that the distance of notified forest is 1516 m from proposed project site not within 10 km from National Park, Bio-Diversity & Sanctuary, not under the No Mining Zone and proposed project is not situated in any ESZ.

PP and the consultant presented the project and submitted the earlier required documents. They admitted that the large amount of construction work has been before the grant of EC. Thus this is a violation case as per the E (P) Act, 1986 as construction work without prior EC.

SEAC is concerned to find the avoidance of E (P) Act by the implement agency of a number of projects in the plea of ignorance. There is a need to identify the reason of lapses of not taking prior EC before starting the work. This amounts to repeated violation under E (P) Act.

SEAC committee discussed in detail opined that this case will be dealt as per MoEF&CC notification S.O. 1030 (E), dated 08.03.18 and violation EC could be provided an submission of following documents immediately. These are :

- i. PP to submit an Undertaking / Affidavit that the work has now been stopped till the EC awarded.
- ii. The work order / scope of work to the Architect / Contractor as the work was awarded earlier.
- iii. CO certificate regarding class of land (whether as Jangle Jhari or not).

Site visit is necessary as per the MoEF&CC notification S.O. 1030 (E), dated 08.03.18 to identify the damage to environment and assessment of corrective measures to be adopted in violation ToR to be issued.

The committee decided to visit the site and communicated to the PP in meeting itself, whereby the PP agreed.

Site visit was conducted on 26.07.19 in the fore noon in presence of PP and the consultant. The report of site visit will be submitted in the next meeting and SEAC will finally consider for further action.

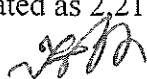
iv. Pahartoli Sand Mining Project of Sri Anil Kumar Gupta at Vill. : Pahartoli, Thana :Basia, Dist. : Gumla (5.66 Ha).

This is a Sand Mining Project for having an area of 5.66 Ha [Khata No. 249, Plot No.- 318 (P)].

The latitude and longitude of the project site is 22° 52' 19.06" N to 22° 52' 23.39" N and 84° 47' 56.43" E to 84° 48' 1.40" E. The nearest railway station is Pokla at a distance of 16 km, nearest Highway is 1.40 km and the nearest airport is Ranchi at a distance of 73 km. Total water requirement is about 4.22 KLD (Dust suppression : 2 KLD, Domestic use : 0.72 KLD & Green Belt development : 1.5 KLD, will be taken from nearby village.

The proposed estimated proved mineral reserve is 2,21,917 t and annual production capacity as per Form-I has been indicated as 2,21,917 t per annum.

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The indicated project cost is Rs 19.00 Lakh and a provision of Rs 2.25 Lakh has been indicated for Environment management.

DFO, Gumla vide letter no. 2908, dated 02.12.15 certified that project site is not within 1000 m from forest. CF, Gumla vide letter no. 3320, dated 04.12.17 certified that the distance of Palkot Wildlife Sanctuary is 7.6 km. Since the distance of site is less than 10 km from the Protected Area. PP has submitted an application the National Board for Wild Life (Proposal No. : FP / JH / MIN/ 2467 / 2018) and application copy be submitted to SEAC on 02.04.19.

CO, Basia vide letter no. 1544, dated - 15.01.18 has mentioned the class of land is River in Khatiyani and not recorded as Jangal Jhari.

PP was asked to submit status of Letter of Intent (LoI).

Once the requisite document is submitted to SEAC, it will examine the case.

v. Pali Stone Deposit of Smt. Lalita Devi, Vill. : Pali, Taluka : Patratu, Dist. : Ramgarh (0.87 Ha). (Proposal No. : SIA/JH/MIN/37325/2019)

This is a Stone Mining Project with an area of 0.87 Ha [Khata no. 10, 46, 61, 92, Plot No.- 35, 39, 40, 41, 43 (P) 45 (P), 130 (P), 131 (P)]. The latitude and longitude of the project site is 23° 37' 05.71" N to 23° 37' 10.23" N and 85° 22' 55.22" E to 85° 23' 02.03" E. The nearest railway station is Bhurkunda at a distance of 2.5 km and the nearest highway is 2.0 km and nearest airport is Ranchi at a distance of 35 km . Total water requirement is 5 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Proved Mineral Resource : 5,68,987 tonne

Probable Mineral Resource : 1,07,000 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	10,700 tonne
2 nd Year	:	10,700 tonne
3 rd Year	:	10,700 tonne
4 th Year	:	10,700 tonne
5 th Year	:	10,700 tonne

The daily production as per Form I is 35.67 tonne.

The indicated project cost is Rs 20.00 Lakh and a provision of Rs 5.50 Lakh has been indicated for Environment management and budget for CER is 0.80 Lakh.

DFO, Ramgarh vide letter no. 1293, dated 05.06.18 certified that the distance of notified forest is 800 m from proposed project site not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

DFO, Ramgarh vide letter no. 1236, dated 27.05.19 certified that the proposed site is not under the No Mining Zone.

The CO, Patratu vide letter no. 339, dated 31.05.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the R.S. Khatiyani & Register -II.

DMO, Ramgarh vide memo no. 591, dated 21.05.19 certified that no other lease is exists within 500 m radius from proposed project site.

The DC, Ramgarh (letter no. 651, dated 10.06.19) requesting Member Secretary, SEIAA to incorporate the details of the project in DSR.

Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Pali Stone Deposit of Smt. Lalita Devi, Vill. : Pali, Taluka : Patratu, Dist. : Ramgarh (0.87 Ha)** be recommended for consideration of SEIAA for grant of EC, in the light of DC, Ramgarh aforesaid letter dated 10.06.19. The various conditions for grant of EC is enclosed as **Annexure - I**.

vi. **Karnodih Stone Deposit of Sri Saroj Kr. Mehta, Vill. : Karnodih, Tehsil :Saria, Dist. : Giridih (1.133 ha).**

(Proposal No. : SIA/JH/MIN/37985/2019)

This is a Stone Mining Project with an area of 1.133 Ha [Khata no. 24 & 34, Plot No.- 1319 (P), 1342 (P), 1367, 1417 (P) & 1548 (P)]. The latitude and longitude of the project site is 24° 12' 36.13" N to 24° 12' 39.1" N and 85° 47' 45.59" E to 85° 47' 51.04" E. The nearest railway station is Chaube at a distance of 3.57 km and the nearest highway is 13.0 km and nearest airport is Giridih at a distance of 50 km . Total water requirement is 4.6 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	1,03,470 tonne
Probable Mineable Reserve	:	1,21,476 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	22,509 tonne
2 nd Year	:	22,491 tonne
3 rd Year	:	22,546 tonne
4 th Year	:	22,477 tonne
5 th Year	:	22,460 tonne

The daily production as per Form I is 75 tonne.

The indicated project cost is Rs 30.00 Lakh and a provision of Rs 8.70 Lakh has been indicated for Environment management and budget for CER is 1.00 Lakh.

DFO, Hazaribagh East Division vide letter no. 4487, dated 13.12.16 certified that the distance of notified forest is 272 m from proposed project site. DFO, Hazaribagh Wildlife vide letter no. 1111, dated 10.06.19 certified that the distance of Hazaribagh wildlife sanctuary is 28,850 m and not within 10 km from National Park, Bio-Diversity and proposed project is not situated in any ESZ.

The CO, Saria, Giridih vide letter no. 865, dated 22.11.16 has mentioned the plot no. of the project is not "Jangle Jhari" in the Khatiyani.

DMO, Giridih vide memo no. 345, dated 27.03.19 certified that no other lease is exists within 500 m radius from proposed project site.

The DSR of the district available in the SEIAA / SEAC office, is not encompassing the project site.

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Thus, the M.S, SEAC will get clarification from the DC, Giridih on this issue. Once the reply is received, SEAC would consider.

vii. **Kutmu Stone Mine of Sri Basant Kr. Keshri, Vill. : Kutmu, Taluka : Bishrampur, Dist. : Palamau (1.82 Ha).**

(Proposal No. : SIA/JH/MIN/38353/2019)

This is a Stone Mining Project with an area of 1.82 Ha [Khata no. 276, Plot No.- 1152 (P)]. The latitude and longitude of the project site is 24° 17' 33.39" N to 24° 17' 29.04" N and 83° 54' 40.04" E to 83° 54' 46.33" E. The nearest railway station is Sigsigi at a distance of 7.0 km and the nearest highway is 2.0 km and nearest airport is Ranchi at a distance of 180 km . Total water requirement is 5 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Proved Mineral Reserve	:	5,32,554 tonne
Probable Mineral Reserve	:	94,819 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	1,25,017 tonne
2 nd Year	:	1,25,339 tonne
3 rd Year	:	1,25,698 tonne
4 th Year	:	1,25,894 tonne
5 th Year	:	1,25,425 tonne

The daily production as per Mine Plan is 419 tonne.

The indicated project cost is Rs 35.00 Lakh and a provision of Rs 6.00 Lakh has been indicated for Environment management and budget for CER is 0.80 Lakh.

Dy. Director, Palamau Tiger Project, North Division, Medininagar vide letter no. 1542, dated 08.07.19 certified that not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

The CO, Pandu, Palamau vide letter no. 547, dated 24.08.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari".

DMO, Palamau vide memo no. 686, dated 24.05.19 certified that no other lease is exists within 500 m radius from proposed project site.

PP submitted the challan documents showing the production before 2012, whereas, DMO certificate vide letter no. 670, dated 16.05.19 certified that no production after Hon'ble Supreme Court order dated 27.02.2012 regarding requirement of prior EC. Thus this case does not comes under violation case.

DFO, Medininagar Division vide letter no. 2321, dated 08.07.19 certified that the distance of nearest forest is 140 m from proposed project site and proposed site is not under the No Mining Zone. However, DFO, Daltonganj North (presently Medininagar) vide letter no. 161, dated 14.01.2002 had earlier certified that proposed site is 50 m from forest boundary. Contradictory report from DFO requires clarification.

M.S., SEAC is requested to seek clarification from concerned DFO.

Once the requisite certificate is submitted to SEAC, it will examine the case.

viii. **Tepsa Stone Mine Project of Sri Raj Kishore Prasad at Vill. :Tepsa, Ichak, Hazaribagh (8.5 Ha).**

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

ix. **Expansion of Coke Oven Plant of M/s Amit Coke Industries at Vill. : Gahira, Dhanbad.**

Project was discussed on 20-21.04.2017 in SEAC. Requisite documents sought. M.S, SEAC sought requisite documents vide letter no. 219, dated 16.11.17 and sent reminder vide letter no. 15, dated 15.01.19.

The PP did not appeared in the present meeting as well as earlier meeting dated 10-12.07.19 in spite of prior notice sent to him.

Accordingly the project is recommended for delisting as per provision of MoEF OM no. J-11013/5/2009-IA-II(Part) dated 30.10.2012.

Day 2 & 3 : July 25 & 26, 2019 [Thursday & Friday]

• **Matter referred by SEIAA**

i. **Parsabad Sand Ghat of M/s JSMDC Ltd. at Vill. :Parsabad, P.O. :Parsabad, P.S. : Jainagr, Dist: Koderma(4.5 Ha Ha)**

The PP has not appeared since 74th meeting dated 10-12.07.19. On being asked the reason of non-appearance, the PP has orally submitted of that they are going to withdraw this project. However, till date they have not submitted the confirmation letter for withdrawal of the project.

The M.S., SEAC is requested to seek clarification from the PP (Sri Lalit Kumar, Incharge Sand, JSMDC Ltd.)

ii. **Bhartidih Sand Mining of M/s JSMDC Ltd. at Vill.: Bhartidih, P.S. :Devipur, Dist:Deoghar (4.65 Ha).**

The PP has not appeared since 74th meeting dated 10-12.07.19. On being asked the reason of non-appearance, the PP has orally submitted of that they are going to withdraw this project. However, till date they have not submitted the confirmation letter for withdrawal of the project.

The M.S., SEAC is requested to seek clarification from the PP (Sri Lalit Kumar, Incharge Sand, JSMDC Ltd.)

• **Consideration of Proposals**

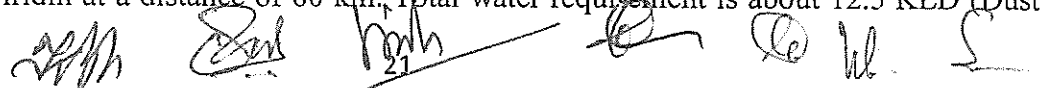
i. **Sherua Sand Ghatin the river bed of Sakari river of M/s JSMDC Ltd., Vill. : Sherua, Tehsil :Gawan, Dist. : Giridih (19.47 ha).**

(Proposal No. : SIA/JH/MIN/37883/2019)

This is a Sand Mining Project for having an area of 19.47 Ha [Plot No.- 260 (P)].

The latitude and longitude of the project site is 24° 35' 53.50" N to 24° 35' 45.82" N and 85° 56' 18.26" E to 85° 56' 31.54" E. The nearest railway station is Nawada at a distance of 50 km and the nearest airport is Giridih at a distance of 80 km. Total water requirement is about 12.5 KLD (Dust

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suppression : 8 KLD, Domestic use : 1 KLD & Green Belt development : 4 KLD. This water will be supplied from the nearby sources through tankers or by private tankers.

The proposed estimated total mineral reserve is 2,92,042.59 cum.

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	1,95,382.50 cum
2 nd Year	:	1,56,306 cum
3 rd Year	:	1,56,306 cum
4 th Year	:	1,56,306 cum
5 th Year	:	1,56,306 cum

The daily production as per mine plan is 1116.47 cum.

The indicated project cost is Rs 24.00 Lakh and a provision of Rs 7.20 Lakh has been indicated for Environment management.

DFO, Wildlife, Hazaribagh vide letter no. 1276, dated - 02.07.19 certified that the distance of Wildlife Sanctuary Koderma is 28,750 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

DFO, Giridih East Division vide letter no. 965, dated - 26.04.18 certified that the distance of forest is 540 m from project site.

The CO, Gawan, Giridhi vide letter no. 300, dated - 23.10.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani.

DMO, Giridih vide memo no. 528, dated 03.04.18 certified that any other lease is not within 1000 m radius from proposed project site.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meetings held during 24-26.07.19, the Committee recommends in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 for issuing of TOR for conducting only manual mining and consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in **Annexure II**.

SEIAA is requested to take decision on the "recommendation" of SEAC, in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF&CC O.M dated 12.12.18.

- ii. **Kobna Dumrikala Sand Ghat in the river bed of Lilajan of M/s JSMDCLtd., Vill : Kobna Dumrikala, Tehsil : Hunterganj, Dist. : Chatra (Kobna : 13.84 ha + Dumrikala : 8.80 ha = 22.64 ha).**

(Proposal No. : SIA/JH/MIN/29137/2019)

This is a Sand Mining Project for having an area of (Kobna : 13.84 ha + Dumrikala : 8.80 ha) = 22.64 Ha [Kobna Khata no. 158, Plot no.- 01, Dumarikal Khata no. 94, Plot no. - 656].

The latitude and longitude of the project site is Kobna 24° 23' 46.18" N to 24° 24' 17.40" N and 84° 48' 40.72" E to 84° 48' 44.33" E Dumrikala 24° 23' 46.14" N to 24° 24' 07.50" N and 84° 48' 50.97" E to 84° 48' 50.62" E. The nearest railway station is Gaya at a distance of 48 km and the nearest airport is Gaya at a distance of 80 km. Total water requirement is about 11.125 KLD (Dust

suppression : 4 KLD, Domestic use : 1.125 KLD & Green Belt development : 6 KLD. This water will be supplied from the nearby sources surface or groundwater sources (Kobna & Sukha village) through the tankers or by private tankers. .

The proposed estimated total mineable reserve of Kobna –Dumrikala Sand ghat is 2,71,685.64 cum.

Year-wise Production as per Approved Mining Plan Report for five years is as follows

	Kobna	Dumrikala
1 st Year	: 1,66,705.36 cum	1,04,980.28 cum
2 nd Year	: 1,33,364.29 cum	83,984.22 cum
3 rd Year	: 1,33,364.29 cum	83,984.22 cum
4 th Year	: 1,33,364.29 cum	83,984.22 cum
5 th Year	: 1,33,364.29 cum	83,984.22 cum

The daily production as per mine plan is Kobna 833.53 cum & Dumrikala 524.9 cum.

The indicated project cost is Rs 57.00 Lakh and a provision of Rs 11.20 Lakh has been indicated for Environment management.

DFO, Wildlife, Hazaribagh vide letter no. 1279, dated - 02.07.19 certified that the distance of Gautam Buddha Wildlife Sanctuary is 19,500 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

DFO, Chatra North Division vide letter no. 1154, dated - 10.04.18 certified that the distance of forest is 560 m from project site.

The CO, Hunterganj vide letter no. 673, dated - 07.09.18 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyani or Register II.

DMO, Chatra vide memo no. 1276, dated 14.08.18 certified that any other lease is not within 500 m radius from proposed project site.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meetings held during 24-26.07.19, the Committee recommends in the light of Hon’ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 for issuing of TOR for conducting only manual mining and consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in **Annexure II**.

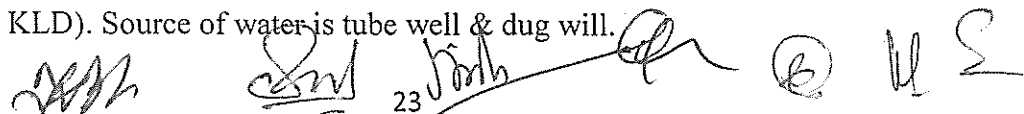
SEIAA is requested to take decision on the “recommendation” of SEAC, in the light of Hon’ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF&CC O.M dated 12.12.18.

iii. Hathigarh Stone Mine of M/s Nafisa Stone Works at Vill. : Hathigarh, P.O. & Taluka :Littipara, Dist. : Pakur (2.056 Ha).

(Proposal No. : SIA/JH/MIN/37470/2019)

This is a Stone Mining Project with an area of 2.056 Ha [Khata no. 43, 79, 99, Plot No.- 1006 to 1010, 1020 & 1021]. The latitude and longitude of the project site is 24° 43' 21.80" N to 24° 43' 28.95" N and 87° 42' 38.73" E to 87° 42' 45.31" E. The nearest railway station is Kotalpukur at a distance of 11.0 km and nearest airport is Ranchi at a distance of 300 km . Total water requirement is 3.82 KLD (Drinking & domestic : 1.35 KLD, Afforestation / Green belt : 0.91 KLD, Dust Suppression : 1.56 KLD). Source of water is tube well & dug well.

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The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	10,05,911 tonne
Probable Mineable Reserve	:	12,447 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	98,877 tonne
2 nd Year	:	97,352 tonne
3 rd Year	:	98,609 tonne
4 th Year	:	98,682 tonne
5 th Year	:	97,572 tonne

The daily production as per Form-I is 330 tonne.

The indicated project cost is Rs 29.76 Lakh and a provision of Rs 5.64 Lakh has been indicated for Environment management.

DFO, Pakur Division vide letter no. 1112, dated 20.07.16 certified that the distance of forest is above 250 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Littipara vide memo no. 151, dated 18.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register II.

DMO, Pakur vide memo no. 1165, dated 19.05.17 certified that no other lease is exists within 500 m radius from proposed project site.

The DSR of the district available in the SEIAA / SEAC office, is not encompassing the project site.

Thus, the M.S, SEAC will get clarification from the DC, Pakur on this issue. Once the reply is received, SEAC would consider.

iv. Hathigarh Stone Mine of M/s Darshana Stone Works at Vill. : Hathigarh, P.O. & Taluka : Littipara, Dist. : Pakur (2.91 Ha).

(Proposal No. : SIA/JH/MIN/37031/2019)

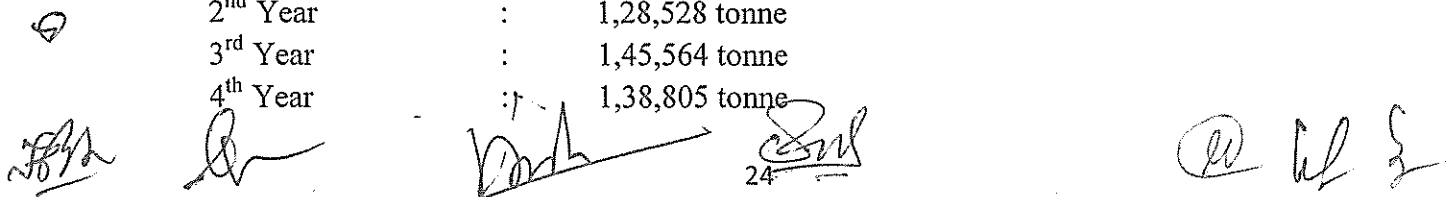
This is a Stone Mining Project with an area of 2.91 Ha [Khata no. 44, 99, Plot No.- 1001 & 1002 (P)]. The latitude and longitude of the project site is 24° 43' 27.32" N to 24° 43' 33.19" N and 87° 42' 35.30" E to 87° 42' 46.17" E. The nearest railway station is Kotalpukur at a distance of 11.0 km and nearest airport is Ranchi at a distance of 300 km . Total water requirement is 3.82 KLD (Drinking & domestic : 1.75 KLD, Afforestation / Green belt : 0.87 KLD, Dust Suppression : 2.92 KLD). Source of water is tube well & dug well.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	13,32,826 tonne
Probable Mineable Reserve	:	1,16,015 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	1,27,077 tonne
2 nd Year	:	1,28,528 tonne
3 rd Year	:	1,45,564 tonne
4 th Year	:	1,38,805 tonne



5th Year : 1, 50,174 tonne

The daily production as per Form-I is 500.57 tonne.

The indicated project cost is Rs 30.82 Lakh and a provision of Rs 6.17 Lakh has been indicated for Environment management.

DFO, Pakur Division vide letter no. 1060, dated 18.07.16 certified that the distance of forest is above 250 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Littipara vide memo no. 150, dated 18.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyon or Register II.

DMO, Pakur vide memo no. 813, dated 07.04.17 certified that no other lease is exists within 500 m radius from proposed project site.

The DSR of the district available in the SEIAA / SEAC office, is not encompassing the project site.

Thus, the M.S, SEAC will get clarification from the DC, ^{Pakur} ~~Godda~~ on this issue. Once the reply is received, SEAC would consider.

v. **Thakur Nahani Stone Mines of M/s Arun Construction & Golden Company at Vill. : Thakur Nahani, P.S. : Poraiyahat, Dist. : Godda (2.29 Ha).**

(Proposal No. : SIA/JH/MIN/37286/2019)

This is a Stone Mining Project with an area of 2.29 Ha [Khata no. : J.B. no. 29, 34, Plot No.- 07 (P) & 58 (P)]. The latitude and longitude of the project site is 24° 39' 46.9" N to 24° 39' 36.9" N and 87° 03' 23.1" E to 87° 03' 13.7" E. The nearest railway station is Kumradol at a distance of 4.26 km and nearest airport is Ranchi at a distance of 230 km . Total water requirement is 3.46 KLD (Drinking & domestic : 1.08 KLD, Afforestation / Green belt : 0.75 KLD, Dust Suppression : 1.629 KLD). Source of water is tube well & dug well.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve : 24,01,144 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	4,03,650 tonne
2 nd Year	:	3,56,400 tonne
3 rd Year	:	3,11,850 tonne
4 th Year	:	2,70,000 tonne
5 th Year	:	4,25,250 tonne

The daily production as per Form-I is 1417.5 tonne.

The indicated project cost is Rs 75.95 Lakh and a provision of Rs 5.36 Lakh has been indicated for Environment management.

DFO, Godda Division vide letter no. 2067, dated 21.08.18 certified that the distance of forest is 440 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

9











The CO, Poreyahat vide letter no. 520, dated 10.07.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register II.

DMO, Godda vide memo no. 903, dated 14.03.19 certified that no other lease is exists within 500 m radius from proposed project site.

The project is mentioned in District Survey Report (DSR) of Godda District.

Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Thakur Nahani Stone Mines of M/s Arun Construction & Golden Company at Vill. : Thakur Nahani, P.S. : Poraiyahat, Dist. : Godda (2.29 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**.

- vi. **Lakhibad Stone Mine of M/s Lakhinarayan Stone Works at Vill. : Lakhibad, P.O. : Ranga Mission, P.S. : Gopikandar, Dist. : Dumka (1.53 Ha).**

(Proposal No. : SIA/JH/MIN/37975/2019)

This is a Stone Mining Project with an area of 1.53 Ha [Khata no. : 08, Plot No.- 862 (P)]. The latitude and longitude of the project site is 24° 27' 39.38" N to 24° 27' 34.80" N and 87° 32' 52.90" E to 87° 32' 46.39" E. The nearest railway station is Dumka at a distance of 35.19 km and nearest airport is Ranchi at a distance of 259.68 km . Total water requirement is 5.25 KLD (Drinking & domestic : 0.99 KLD, Afforestation / Green belt : 0.68 KLD, Dust Suppression : 3.58 KLD). Source of water is tube well & dug well.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve : 9,05,488 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	2,14,326 tonne
2 nd Year	:	1,71,946.8 tonne
3 rd Year	:	1,34,233.2 tonne
4 th Year	:	1,01,185.2 tonne
5 th Year	:	1,45,605.6 tonne

The daily production as per Form-I is 714.42 tonne.

The indicated project cost is Rs 29 Lakh and a provision of Rs 5.85 Lakh has been indicated for Environment management.

DFO, Dumka Division vide letter no. 36, dated 02.01.18 certified that the distance of forest is 1904 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Gopikandar vide letter no. 129, dated 26.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register II.

DMO, Dumka vide memo no. 559, dated 16.05.19 certified that no other lease is exists within 500 m radius from proposed project site.

The project is mentioned in District Survey Report (DSR) of Dumka District.

Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Lakhibad Stone Mine of M/s Lakhinarayan Stone Works at Vill. : Lakhibad, P.O. : Ranga Mission, P.S. : Gopikandar, Dist. : Dumka (1.53 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I.**

vii. **Chino Stone Mine of Sri Ajay Kr. Agarwal, Vill. : Chino, P.O. : Dumri, Dist. : Giridih (1.07 Ha).**

(Proposal No. : SIA/JH/MIN/38580/2019)

This is a Stone Mining Project with an area of 1.07 Ha [Khata no. : 71, Plot No.- 2018 (P)]. The latitude and longitude of the project site is 24° 00' 51.30" N to 24° 00' 48.39" N and 86° 00' 16.13" E to 86° 00' 12.72" E. The nearest railway station is Parasnath at a distance of 4.40 km and nearest airport is Ranchi at a distance of 106 km . Total water requirement is 3.46 KLD (Drinking & domestic : 0.81 KLD, Afforestation / Green belt : 1.72 KLD, Dust Suppression : 2.21 KLD). Source of water is tube well & dug well.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve : 4,55,550.48 tonne

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	88,322.4 tonne
2 nd Year	:	61106.4 tonne
3 rd Year	:	38,556 tonne
4 th Year	:	20,671.2 tonne
5 th Year	:	Nil

The daily production as per Form-I is 294.40 tonne.

The indicated project cost is Rs 307.32 Lakh and a provision of Rs 5.51 Lakh has been indicated for Environment management.

DFO, Giridih East Division vide letter no. 1217, dated 28.06.16 certified that the distance of forest is 180 m from proposed project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Dumri, Giridih vide letter no. 433, dated 15.05.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani.

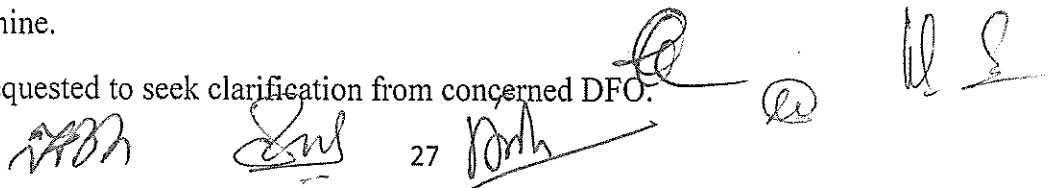
DMO, Giridih vide memo no. 4240, dated 26.12.15 certified that no other lease is exists within 500 m radius from proposed project site.

The project is mentioned in District Survey Report (DSR) of Giridih District.

Since the minimum distance of proposed site from forest is only 180 m (within non-permissible zone as stipulated by SEIAA for new mining) it would be necessary to ascertain whether it is existing or new mine.

M.S., SEAC is requested to seek clarification from concerned DFO.

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Once the requisite certificate is submitted to SEAC, it will examine the case.


viii. Sand Mining Project at Banai River of M/s Anokha Ram at Vill.-Mahil & Ghaghra, Murhu, Khunti. (6.975 Ha)


The PP & consultant of the project are absent in the scheduled SEAC meeting for appraisal. They were not appearing since 66th meeting dated 29-31.01.2019, 67th meeting dated 25-27.03.2019, 68th meeting dated 14-15.03.2019, 69th meeting dated 01-03.04.19, 72nd meeting dated 27-30.05.2019 & 73rd meeting dated 12-14.06.2019.

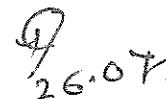
So, the SEAC request the M.S, SEAC to serve him notice for appearance in the next meeting, failing which SEAC would recommend for delisting of the instant project.


The meeting concluded with thanks to all present.



(Dr. B.K. Tewary) 26/07/2019
Member



(Dr. V.P. Sinha) 26/07/19
Member



(S.P. Srivastava) 26.07.2019
Member


(Om Prakash)
Member Secretary


(Dr. R.N. Singh) 26/07/19
Member


(Y.K. Singh) 26.07.2019
Member


(U.P. Singh) 26/07/2019
Member


(K.P. Bhawsinka) 26.07.2019
Chairman

A. Specific Conditions

1. The environmental clearance is subject to period of lease of the mine by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any endangered fauna occurs / is found in the Project area). No damage is to be done to the fauna in general and endangered species in particular, if found in ML area (as mentioned in various schedules). In such case they should be given protection, capture alive with the help of the subject expert and transfer them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to ground above water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per IBM or equivalent agencies. Safety measures shall be adopted in line with DGMS Guidelines.
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed / diverted due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
8. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used by spreading on the land reclamation and plantation.
9. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
10. Catch drains and siltation ponds of approved size to contain silt & water and its location shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the nearby agricultural fields, and other water bodies. The water so collected should be utilized for watering the haul roads, green belt development etc. A periodical report shall be sent. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.

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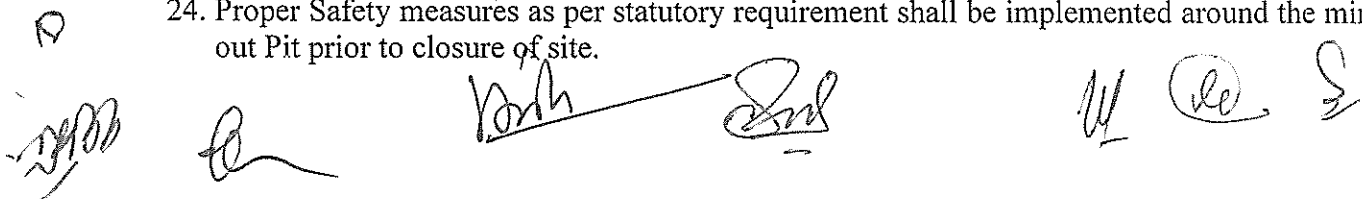

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12. Greenbelt of approved width shall be developed all along the length of mine lease area and haul roads. The Project proponent shall do adequate no at least 50 bamboo gabion plantation each year and maintain it for the life of the mine along the transport road and vacant space, preferably along the periphery of mining lease. Fast growing and local species will be planted.
13. Effective safeguard measures such as regular water sprinkling shall be carried out in the identified critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling as per approved plan shall be carried out on haul roads which should be made pucca as per approved specification of Govt. of Jharkhand with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
14. The project proponent shall implement approved conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
15. The project proponent shall if required, obtain necessary prior permission/NOC from the competent authorities for drawl of requisite quantity of water required from the source for the project.
16. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
17. Vehicular emissions shall be kept under control by regular repairing of transport road and regular air quality monitoring. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of stone / sand outside the mine lease area shall be carried out after the sunset.
18. No blasting shall be carried out after sunset. Blasting operation shall be carried out only during daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
19. Drilling shall either be operated with the dust extractors or equipped with water injection system.
20. Effective safeguard measures shall be taken to control fugitive emissions so as to ensure that RPM (PM10 and PM 2.5) levels are within prescribed limits.
21. Pre-placement medical examination and periodical medical examination of the workers engaged in the project conducted by a Registered Medical Officer shall be carried out and records maintained.
22. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
23. Provision shall be made for the housing of construction labour at a suitable place away from the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets / septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
24. Proper Safety measures as per statutory requirement shall be implemented around the mined out Pit prior to closure of site.

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25. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
26. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein.
27. The Project Proponent shall submit six monthly report on the expenditure incurred on environmental management plan submitted by them.
28. Since blasting and mining on Hillock / Rock out crop may also be carried out, suitable scheme for access / ramp to the highest elevation with gradient shall be submitted for approval from competent authorities.
29. Approved devices for dust suppression shall be installed.

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca as per approved specification of Govt. of Jharkhand and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should be provided with protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Detailed report shall be sent to Pollution Control Board periodically.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.

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12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA / JSPCB and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded will be valid for the period of lease of the mine, till the PP does not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

The TORs prescribed for undertaking detailed EIA study are as follows:

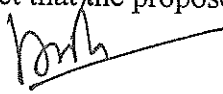
1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be

prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

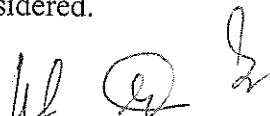
11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.











20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
23. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
27. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
28. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be

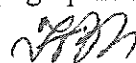
undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.


29. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
30. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
31. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
32. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
33. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
34. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
35. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
36. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
37. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
38. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and

grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

39. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
41. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
42. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
44. Besides the above, the below mentioned general points are also to be followed :-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF & CC / NABL accredited laboratories. All the original analysis / testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF & CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF & CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections

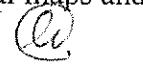
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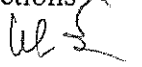


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and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

45. After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

46. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.

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[Handwritten signatures and initials]