

MINUTES OF THE 82ND MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 04TH, 05TH, 06TH & 07TH NOVEMBER, 2019

The 82nd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 04th, 05th, 06th & 07th November, 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. Sri Y.K. Singh - Member
5. Sri S.P. Srivastava - Member
6. Dr. V.P. Sinha - Member
7. Dr. R. V. Singh - Member
8. M.S. Bhagwat - Member
9. Sri U.P. Singh - Member
10. Sri Om Prakash - Member Secretary

SEIAA forwarded various projects to the SEAC for the technical appraisal after the last SEAC meeting held on 23rd, 24th & 25th October, 2019. These projects have been put up for discussions. Besides, these Projects, wherein PP's were asked to provide requisite information's / 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 : November 04, 2019 [Monday]

Consideration of Proposals

1. **Burka Brick Clay Deposit of M/s Bedal Bricks at Vill : Burka, Thana : Bhandra, Dist : Lohardaga (0.996 Ha).**

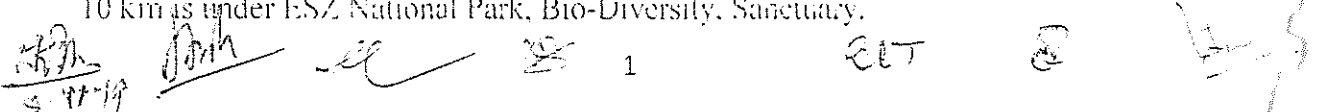
(Proposal no. : SIA/JH/MIN/44309/2019)

This is Brick clay Mining Project with an area of 0.992 Ha [Plot No. 38 & 46, Khata No. 05. The latitude and longitude of the project site is 23°20'19.52"N to 23°20'23.95"N and 84°45'00.11"E to 84°45'03.95"E. The nearest railway station is Irgaon at a distance of 10.0 km and nearest airport is Ranchi airport at a distance of 58 km. Total water requirement is 3.5 KLD. Water will be taken from private tanker.

The indicated project cost is Rs 12.0 Lakh and a provision of Rs 2.00 Lakh has been indicated for Environment management.

Total minor mineral reserve of the applied area is about 12916 cum. As per estimation of requirement of 1715.30 cum for casting the granted number of Six Lakhs bricks / Season, the life of proposed area comes to be 7.50 seasons.

DFO, Wildlife Ranchi vide memo no. 1037, dated 16.09.19 certified that the not within of 10 km is under ESZ National Park, Bio-Diversity, Sanctuary.



DFO, Lohardaga Division vide letter no. 36, dated 04.01.19 certified that the distance of notified forest is 3000 m from proposed project site.

The CO, Bhandra (Lohardaga) vide letter no. 731, dated 23.09.19 has mentioned the plot no. of the project are not recorded as "Jangle Jhari" in Khatiyani.

DMO, Lohardaga vide memo no. 643, dated 28.08.2019 certified that no other lease is exists within 500 m radius from proposed project site.

Besides, the DSR of the district has not incorporated the said brick earth mining site.

The tenure of this committee (SEIAA / SEAC) is expiring on 8th November, 2019. In the interest of the development of the State the committee has taken the views for expediting the clearance process.

SEAC recommends the proposal for EC to SEIAA subject to submission of certificate from DMO / Dy. Director, Geology & Mines Deptt., Govt. of Jharkhand regarding inclusion in the DSR. An undertaking in this regard has been submitted by the proponent.

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 **Burka Brick Clay Deposit of M/s Bedal Bricks at Vill : Burka, Thana : Bhandra, Dist : Lohardaga (0.996 Ha) be conditionally** (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**.

2. **Chakla Brick Clay Deposit of M/s Ravi Bricks at Vill : Chakla, Thana : Ormanjhi, Dist : Ranchi (1.003 Ha).**
(Proposal no. : SIA/JH/MIN/44294/2019)

This is Brick clay Mining Project with an area of 1.003 Ha [Plot No. 1032 (P), 1033 & 1034 (P), Khata No. 97]. The latitude and longitude of the project site is 23°27'52.82"N to 23°27'56.99"N and 85°28'31.79"E to 85°28'37.07"E. The nearest railway station is Mersa at a distance of 8.0 km and nearest airport is Ranchi airport at a distance of 23.0 km. Total water requirement is 2.0 KLD. Water will be taken from private tanker.

The indicated project cost is Rs 15.0 Lakh and a provision of Rs 6.6 Lakh has been indicated for Environment management.

Total minor mineral reserve of the applied area is about 14372 cum. As per estimation of requirement of 1715.30 cum for casting the granted number of Six Lakhs bricks / Season. the life of proposed area comes to be 8.38 or 8.50 seasons.

DFO, Wildlife Ranchi vide memo no. 1055, dated 24.09.19 certified that the National Park, Bio-Diversity, Sanctuary not within 10 km and proposed site is under ESZ.

CF / DFO, Ranchi Division vide letter no. 4804, dated 17.11.17 certified that the distance of forest is 1100 m from proposed project site.

The CO, Ormanjhi (Ranchi) vide letter no. 522, dated 26.09.19 has mentioned the plots of the project are not recorded as "Jangle Jhari" in R.S Khatiyani.

DMO, Ranchi vide memo no. 02, dated 01.01.2018 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 Ranchi 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 **Chakla Brick Clay Deposit of M/s Ravi Bricks at Vill :Chakla, Thana : Ormanjhi, Dist : Ranchi (1.003 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**.

3. **Sakrauli Brick Clay Deposit of M/s Sahu Brick (Prop: Sri Pankaj Kumar Sahu) at Vill – Sakrauli, Thana : Sakrauli, Dist. : Gumla (0.894 Ha).**

(Proposal no. : SIA/JH/MIN/44511/2019)

This is Brick clay Mining Project with an area of 0.894 Ha [Khata no. 26. Plot no. 1022 (P), 1041 (P), 1042 (P)]. The latitude and longitude of the project site is 23°09'34.77"N to 23°09'39.37"N and 84°47'44.13"E to 84°47'48.52"E. The nearest railway station is Nagjua at a distance of 26.5 km and nearest airport is Ranchi airport at a distance of 55 km. Total water requirement is 3.1 KLD. Water will be taken from private tanker.

The indicated project cost is Rs 10.0 Lakh and a provision of Rs 2.00 Lakh has been indicated for Environment management.

Total minor mineral reserve of the applied area is about 10082 cum. As per estimation of requirement of 1714.60 cum for casting the granted number of Six Lakhs bricks / Season, the life of proposed area comes to be 5.80 or 6.00 seasons.

DFO, Wildlife Ranchi vide memo no. 1149, dated 11.10.19 certified that the proposed site is National Park, Bio-Diversity, Sanctuary and not within 10 km under ESZ.

DFO, Gumla Division vide letter no. 387, dated 29.01.18 certified that the distance of notified forest is 1000 m from proposed project site.

The CO, Sisai vide letter no. 780, dated 04.10.19 has mentioned the plot of the project is not recorded as "Jangle Jhari" in R.S Khatiyon & Register II.

DMO, Gumla vide memo no. 921, dated 11.10.2019 certified that no other lease exists within 500 m radius from proposed project site.

Besides, the DSR of the district has not incorporated the said brick earth mining site.

The tenure of this committee (SEIAA / SEAC) is expiring on 8th November, 2019. In the interest of the development of the State the committee has taken the views for expediting the clearance process.

SEAC recommends the proposal for EC to SEIAA subject to submission of certificate from competent authority of Jharkhand regarding inclusion in the DSR. An undertaking in this regard has been submitted by the proponent.

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 **Sakrauli Brick Clay Deposit of M/s Sahu Brick (Prop: Sri Pankaj Kumar Sahu) at Vill – Sakrauli, Thana : Sakrauli, Dist. : Gumla (0.894 Ha)** be **conditionally** (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of

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SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I.

4. **Kulbhanga Stone Deposit of M/s Maa Durga Stone Works (Prop. : Shri Bishnu Prasad Yadav) at Vill : Kulbhanga, Block + Taluka: Jirwabadi (OP), Dist. : Sahebganj (4.70 Ha).**

(Proposal no. : SIA/JH/MIN/44723/2019)

This is a Stone Mining Project with an area of 4.70 Ha [Khata no. 79, 55, 48, 58, 14, 72, 84, Plot No.- 51, 53, 54, 55, 56, 58 & 59 (P)]. The latitude and longitude of the project site is 25° 12' 24.88" N to 25° 12' 33.92" N and 87° 34' 37.62" E to 87° 34' 49.45" E. The nearest railway station is Sahibganj at a distance of 8.0 km and nearest airport is Ranchi at a distance of 450 km . Total water requirement is 2.5 KLD. Water requirement will be met through boring a bore hole, pumping arrangement and overhead tanks as well as pit sump and settling tanks. Water is required for sprinkling on haul roads, watering of plants and drinking water for workers.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	34,75,475 tonne
Probable Mineable Reserve	:	1,88,222 tonne

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

1 st Year	:	2,10,200 tonne
2 nd Year	:	2,41,294 tonne
3 rd Year	:	2,04,404 tonne
4 th Year	:	2,31,852 tonne
5 th Year	:	2,56,592 tonne

The daily production as per Form-I is 156 tonne.

The indicated project cost is Rs 75.00 Lakh, a provision of Rs 8.5 Lakh has been indicated for Environment management and CER is 5.00 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1583, dated 09.08.19 certified that the Udhwa Lake Bird Sanctuary is 31115 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, Sahebganj Division vide memo no. 2316, dated 22.12.17 certified that the distance of notified forest is 370 m from proposed project site.

DMO, Sahebganj vide memo no. 1041, dated 31.07.19 certified that no other lease are exists within 500 m radius from proposed project site.

The CO, Mandro vide memo no. 258, dated 13.03.19 has mentioned the plots of the project are not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

The project is mentioned in District Survey Report (DSR) of Sahebganj 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 **Kulbhanga Stone Deposit of M/s Maa Durga Stone Works (Prop. : Shri Bishnu Prasad Yadav) at Vill : Kulbhanga, Block + Taluka:**

Jirwabadi (OP), Dist. : Sahebganj (4.70 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

5. Proposed Rehabilitation & Resettlement Package (R & R) for HEC Displaced Persons of M/s Greater Ranchi Development Agency Ltd. 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 being developed 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 Residential houses, Primary School, Community Centre, Shopping centre 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 said project is a violation case, since the BCD, Government of Jharkhand, Ranchi has started the construction work without obtaining prior EC. In order to obtain EC from MoEF&CC the PP had applied before EAC, MoEF&CC to get the EC, as per procedure prescribed in Notification dated 14.03.2017.

Chronological Events :

S. No	Particulars	Dates
1.	Land allotment	19 th November, 2011
2.	Construction Work Started	15 th December, 2016
3.	Proposal submitted to MoEF & CC in violation category	11 th September, 2017
4.	Transferred proposal to SEIAA Jharkhand	28 th March, 2018
5.	EDS Letter	15 th May, 2018
6.	TOR Proposal (Resubmission) EDS reply	20 th June, 2019
7.	Acceptance of ToR proposal	20 th June, 2019

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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)
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	310 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
20.	Total project cost	185 crores,

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

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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.

Ecological Damage Assessment :

Project proponent has completed construction work and ready occupation before getting Environmental Clearance under EIA Notification, 2006 as observed in field inspection by the SEAC members on dated 26.07.19. This has been estimated as per the field study data generation and analysis by the NABET accredited and NABL approved consultant and laboratory as per the MoEF&CC notification S.O. 1030(E), dated 08.03.18 for violation cases directive.

Natural Resources Damage Assessment

Components	Activities	Probable impact	Remark
Land resources	The land was allotted to project proponent by Jharkhand government for the development of assembly building project. Clearing of shrubs and herbs Excavation for laying foundation:	Loss of top soil; land use changes; changes in drainage patterns; soil erosion; & soil contamination.	The top soil is kept at the earmarked places within the project site and stabilized through vegetative means to stop wash off and erosion. No change in land use and effective storm water management system is proposed to ensure no change in drainage patterns.
Water resource	Water drawl of about 24 KLD for construction. Wastewater generation (90 KLD)	Depletion of ground and surface water resources, contamination of ground and surface water	Rainwater recharging with in project site and in study area; Maximum reuse of treated water (STP): reduce the load on ground water by providing treated water to the nearby building construction activities. No discharge will be

			made to any water body.
Waste resource	Waste generation of 357 Kg per day , Excavated soil	Littering of waste Dumping of excavated soil in the open land in vicinity.	All the waste will be managed as per
Energy resource (Fuel; Electricity)	Utilization of wood/ coal, diesel and electricity	Deforestation for collecting wood: Impact on flora and fauna	LPG cylinder will be used for cooking and wood and coal will not be used. Ultra low sulphur diesel will be used in DG sets and vehicles.
Air Environment	Excavation Loose construction material Storage Use of DG sets	Particulate matter Emission Fugitive dust emission. Gaseous emission	Suppression of dust and fugitive emission, only PUC certified vehicle will be used. All loose construction material will be covered. DG sets will have stack having stack height as per CPCB. DG sets will be used only in case of power failure.
Noise Environment	Increase in traffic frequency and resultant noise. Noise from DG sets	Disturbance to vulnerable groups Disturbance to nearby residents	There will be acoustic enclosure for DG sets; construction activity will be during day time only. Only properly maintained and PUC vehicle will be used. Honking will be discouraged.
Water Environment	Water withdrawal Generation of waste water	Stress on water resources. Discharge of untreated sewage and domestic effluent.	Site is in safe zone as per CGWA; River Subarnarekha River is in vicinity; the water will be supplied by Nagar Nigam; There

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			will be a provision of STP based on MBBR technology so as ensure that water resource are reused within site and ground water is not contaminated.
Land Environment	Excavation of laying down foundation Land loss Vegetation removal	Spillage Top soil deterioration; landuse & drainage pattern change: cutting and filling.	Vacant land with shrubs and herb; no tree cutting proposed - number of tree will be planted at the site: Nonagricultural private land. Green belt development: RWH Proposed to reduce runoff from site as ground water recharge.
Ecology & Biodiversity Environment	Site clearance Clearing of shrubs and herbs	Loss of topography, Loss of vegetation Migration of flora and fauna	Proper levelling and filling The shrubs and herbs found at the project site were of common occurrence and similar type of habitat is abundantly available in the study are therefore no significant impact envisaged. conservation plan is proposed.
Socio-economic Environment	Migration of people Welfare activities Employment facilities Solar lights Environmental sustainability	Increase in infrastructural facilities. Improved employment;	Positive Impact

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.

PP and the consultant presented the project and submitted the earlier required documents. They admitted that the large quantity of construction work has been completed before the grant of EC. Thus this is a violation case as per the E (P) Act, 1986 and MoEF&CC notification S.O. 1030 (E), dated 08.03.18 as construction work 90% completed without prior EC.

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

Earlier the proposal was presented in SEAC on 24-26.07.19 in which requisite documents were sought as under -

- 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).*

The above mentioned requisite documents have been submitted by the PP, except CO certificate regarding class of land (whether recorded as Jangle Jhari or not).

On scrutiny of the document eg :

- i. Undertaking : The PP has submitted the undertaking that all activities, as per SEAC direction have been stopped till EC is obtained.
- ii. CO certificate regarding the nature of land submitted. This Certificate is provided by Addl. Collector but the class of land as recorded in Khatiyam & Register II as to whether Jungle-Jhari or not, has not been mentioned .
- iii. Geotechnical report for the site is yet to be submitted in the certificate.

In the work order of the Architect, it is observed in para 3.2.8, Stage II, column (c) – that the architect has been entrusted to get the approval and clearances from the statutory authorities as required. The PP & the contractor have not adhered to the task and directly started the work without getting prior E.C, leading to case of violation of E (P) Act, 1986.

To identify the damage to the environment and assessment of the corrective measures as per the MoEF&CC notification S.O. 1030(E) dated 08.03.2018, a site visit was conducted by the SEAC members on 26.07.2019. The observations of site visit is as follows :

- (i) The construction work of the individual units of 400 dwelling units have been almost completed.
- (ii) The roads, drainage system, fire fighting measures are under various stages of completion.
- (iii) A nalla flows nearby the project site and a large quantity of the debris have been thrown out. Thus, leading develop a protective measures for maintaining the ecology of the nalla.
- (iv) The status of completion of Rehabilitation colony was observed to be about 90%. The location of cluster of septic tanks and soak pits for the entire Rehabilitation colony was found to on the western /south western, western bank of the natural perennial stream/water course. Since proximity of the septic tanks/soak pit is close to the natural stream and the terrace level, on which these are located at a depth of about 1.25m from terrace level of the colony's road, possibly a little higher than the river bank terrace level during monsoon, contamination of water in the stream & disturbance to ecology is imminent due to dispersion of effluent from soak pit.

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Thus, for protecting the stream and its downstream from imminent contamination and environmental hazard, these two possible mitigation measures, are as under :

- a. Complete relocation of cluster of Septic tanks and Soakpits to a far away place (farther from stream), so that after dispersion and its dilution of the effluent, concentration of polluting effluent will be minimum.
- b. Abandoning all the soakpits/cluster of soakpits and taking the discharged effluent from the soakpit and routing and treating it to a suitably located and adequately designed STP system with strong consideration on the quality of effluent from STP likely to be discharged from STP (within all admissible limits of ingredients).
Beside the above, permission from Water Resources Deptt., GOI for grant of consent to discharge in the natural stream may have to be sought by the project proponent.
- c. Presently the work has been stopped.

In earlier meeting dated 29-30.08.19 the PP & consultant presented a preliminary result of the evaluations as per matrix method and the storm water drainage system proposed and sewerage system, safety measures to be adopted parking & other activities. The identification of community development measures were discussed.

The PP has submitted undertaking vide Executive Engineer, Special Works Division, Building Construction Deptt., Jharkhand letter no. 1100, dated 28.08.2019 that in case the proposed project site is found to be Jungle-Jhari land then in that case PP would abide by the provisions of Forest (Conservation) Act, 1980 and submit requisite proposal.

The Deputy Commissioner, Ranchi has submitted undertaking regarding Jungle-Jhari as per Revenue and Land Reform Department, Govt. of Jharkhand letter no. 4792, dated 04.12.18 that user agency would abide by the provisions of Forest (Conservation) Act, 1980 and submit requisite proposal, if the project site found to be Jungle –Jhari in future.

The proposal was presented in SEAC on 29-30.08.19. The PP was informed the following findings vide subsequent communication :

1. *Since, construction phase is over, budgetary provisions made for Rs. 37.5 lakhs in Table 12-3 has no relevance for the Ecological/Environment damage assessment. A detailed analysis need to be prepared for the true / realistic assessment based on each affected component of project site like quantity of Excavation, Transportation of quantified qty. of raw materials, land use pattern, drainage & discharge pattern happening during all these 4 years of construction.*
2. *Cost of Remediation measure for "Water Environment" is as follows :
It mentions that DG with acoustic enclosure = "Rs. 5 Lakh x 5 year Capital cost and Rs. 0.5 lakh X 5 yrs. recurring cost"
Since it is a remediation measure, budgetary quotation need to be submitted as the amount needs to be deposited on account of this Similarly Budgetary quotation for Noise protective equipment to be obtained & submitted.*
3. *In Preamble Pg 1-1 mentions that approx. 80% of construction activities have been done on the site at other place it is mentioned as 90% & other place it is mentioned that construction is completed.*

4. In 1.2 Brief description of project, it is mentioned that topography "almost plain" but from contour plan it is not plain.
5. CO, Nagri letter dt. 14.08.19, it is mentioned that Dhurwa Dam is located within 500 m distance but in page I-4, it is mentioned that Hatia Reservoir as 6.5 km SW. Both these documents are Contradictory?
6. For proposed Water Conservation Measures, page XII-13 mentions :
"All concrete structures will be painted with anti-curing agent to save water" since construction work is over, the PP need to submit contractor's approved BoQ for this specified work . In absence of evidence for this, it will be concluded that no such paint has been used in the construction, in spite of being envisaged/planned.
7. Page XII-13 mentions that "Ponds should be made using Cement & Sand mortar to avoid water flowing away from the flat surface while curing". The PP need to submit documentary evidence from the contractor's contract showing availability of this work in contractor's scope or any evidence substantiating that this pond construction work has been carried out & made use of, during curing activity of constructions work requiring curing, which is now completed.
8. Rain Water Harvesting Pits PXII-14
In calculation of R.W. Harvesting pit, no provision has been kept for free board. Considering free board, the numbers of pits would be increased. Location of recharging pit need to be shown in key Plan.
9. Conclusion & Discussion (Construction phase)
Construction of Silt fences/berms is proposed to minimise soil runoff. The PP to confirm whether these silt fences/berms proposed during construction phases were constructed. If not constructed, it is concluded that soil run off has taken place during construction. During site visit, silt fences / berms were these not visible.
10. Disposal of Construction debris in "earmarked area" shall be submitted . PP to confirm the same & mark on drawing / key plan, the earmarked area for its verification.
11. Nature Resource damage assessment :
Water Source : Maximum reuse of treated water for building construction activities were envisaged by PP, (treatment through STP). Since STP not constructed, this aimed reuse of Water not achieved during Building Construction.
12. Table 12.1 Page XII-2 Land Resource :
Remarks that "no change in Land use & Drainage system is proposed" is not a correct statement & needs to be corrected."
13. Energy Resource : (Fuel : Electricity)
Remark column states that wood & coal will not be used & Low sulphur diesel will be used PP need to certify the same as construction phase is over.
14. Water Environment Table 12.2 pg XII-4 :
There is no provision for STP for the effluent from septic tanks, it has presently been planned to be discharged into soak pits constructed adjacent to perennial stream flowing – Needs Re-planning
15. Ecological Environment Status XII-20 Here it is mentioned that:
 - (a) That proposal is for development of residential & commercial project (needs correction)
 - (b) Project site is 5656.30 acres (needs correction)

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16. Reply to compliance ToR point no. 4 "Entire area has been virgin land no trees have been cut during project development". In this chapter XII, it is mentioned that during field investigation in core zone more than 25 tree species were observed. There seems to be some contradiction.
17. In reply to specific condition point no. 3 compliance of ToR, wherein nallah river flowing on northern side, it is mentioned on page I-12, that there is no nallah flowing : But on Page XII-20, it is clearly mentioned "Two streams are observed in the core zone namely LAMATA & NATI STREEMS." This is a contradiction & needs elaboration. These streams have not been indicated in the key plan or in the contour plan. All details like its width, route etc shall be indicated in the contour plan to examine the drainage scheme of the project.
18. Table XII-24 500 trees estimate need to be corrected with road length of the colony.
19. Table 12.10 Damage Assessment
Damage assessment on all the six fronts needs breakup calculation, analysis & elaboration
20. Chapter 2.12
While details of construction materials have been identified, these have not been quantified. For remediation, estimate, quantification of these need to be done, based on which material movement/material handling undertaken will be estimated to assess the damage.

PP has submitted reply vide letter no. 1110 (NE) dated 29.08.19 wherein reply to query no. 1 they have indicated quantification of soil for the project & indicated depth of excavation. These figures have not been substantiated with the BOQ in the contract, excavated quantity at site as per contractor's approved upto date bills cumulative quantity on account of all earth works carried out for the project in all types of excavation for foundation, site preparation, terracing backfilling site levelling to achieve the finished terrace level drains, boundary wall etc. The quantities appear to be too low for a project of this magnitude.

The PP has submitted reply to the above observation in the 2nd week of September 2019.

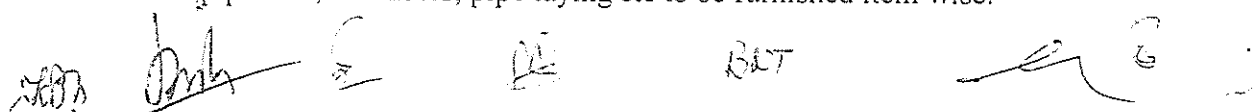
[A] Documents required / corrections needed

Despite seeking appropriate layout drawing with proper co-ordinate system & legible contour plan, PP did not make available the same. Layout plans without any coordinate system & legible levels of contour has so far been furnished. PP was asked to submit following requisite documents as under :

1. Dimensioned layout plan of the R& R Colony including all its allied units, road layout, open area, drain, Retaining wall, Alignment & details of Hume pipe laying, WTP, STP, Septic Tanks etc on a proper coordinate system (all units with coordinates, dimensions & details) superimposed on the Contour plan in A0 size to assess Earthwork in Excavation & Site levelling Quantities. Location of RWH Pits with proper coordinate in the drawing to be indicated.

All connecting dimensions, overall dimensions from boundary wall to buildings/units to boundary wall need to be indicated.

2. The FTL(Finished Terrace Level of the area , road levels, Invert levels of Hume pipes etc to be indicated on the above drawing.. Dimensioned plan of various units & utilities .each in A4 sheet to be furnished.
3. Layout plan of Boreholes plotted on proper coordinate system indicating the ground RLs & co-ordinates of all the Boreholes plotted on the Contour plan to examine if the coverage of entire project area has been there & also if Rock excavation ,if any.. has taken place.
4. A few cross-sections through full length & full width showing units/ need to be submitted on a magnified scale in at least A0/A1 drawing. Cut & fill sections also for site levelling to be furnished showing clearly the depth of fill, original GL & FTL.
5. To furnish approved Township development plan, site layout plan indicating the location of all units, STP, UG Tank , Road & Drain layout, Sewer line etc. & Building plans of Individual Buildings & structures/units sanctioned by RMC, Ranchi wherein Building permission for the entire proposed built up area as mentioned in the project proposal has been obtained by RMC.
6. PP to confirm if the entire project on plot area of 236835.4m² is within RANCHI MUNICIPAL CORPORATION AREA. If not, a plan be submitted indicating the municipal boundary on the plot & balance area's jurisdiction of other urban local body or rural body.
7. Master Plan whether approved or not. .Information/documents to be furnished
8. NOC from CGWB for ground water withdrawal or Copy of application for permission for obtaining GW from CGWB . On page 18 , it is stated that during operation phase water requirement will be met either from Municipal Authority (Ranchi Municipal Corporation) or from Ground water after taking permission from CGWA, now since over 90% project is completed, The permission/ application for the permission be furnished as there is no municipal water supply line available in the locality
9. Computational details of Earthwork in Excavation Quantities under the following heads:
 400 DUs, Other Amenity Buildings like School, Community center, shopping comp, WW, LCS etc, Retaining walls 460m, Hume pipe laying 5.35 kms, Completed Roadside drain 7.7 Kms, , Laying of Water supply DI Pipelines 5.5 km, Underground Reservoir-one, 46 Nos Feeder pillars, Water Treatment plant, Septic Tanks & Soakpits. , 275 nos Manholes for RWH, Rain Watyer Harvesting pits 15 nos, Chambers 164 nos for water supply ferrul & 215 nos for Sewerage Manholes, total= 379 Nos, Excavation for executed Road out of total scope of 53500m², Earthwork Excavation Quantity for entire site leveling , any other major units(not identified above) with Excavation quantity of more than 100 m³.
10. All Earthwork in various filling for the entire project, like area terracing, backfilling around foundation, plinth filling etc for all units & structures, walls, drains, drain pipelines, chambers, pipe laying etc to be furnished item wise.



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All substantiating documents for above Computation of Earth work like CUMMULATIVE EXECUTED QUANTITY OF EARTHWORK as on 18.09.2019 (copy of latest MB etc to be enclosed, copy of Technically sanctioned DPR showing all the Excavation quantities etc). Only computation or statement in absence of authentic proof will not be considered.

11. PP to furnish various techniques adopted for Green Building Concept. On page 70, it is mentioned that "All efforts will be taken to make the building in accordance with the green building concept by using various techniques."
12. It is observed that page 9, the question that "What are the quantities of earthwork involved in the construction activity-cutting, filling, reclamation etc during construction phase (Give details of the quantities of earthwork involved, transport of fill materials from outside the site etc.?)" has not been appropriately replied. Details to be furnished.
13. Details Fire fighting equipment etc as per NBC & its adequacy & Protection measures from lightning etc as per BIS codes to be furnished.

[B] OTHER OBSERVATIONS :

1. On page 78, it is mentioned that "Overflow from last Recharge pit shall be connected to water Drain line. The arrangement provides appropriate protection to the site against flooding". It is observed that without examining the availability of a functional water drain line at project site to receive overflow from last recharge pit, which presently is non-existent, Discharge of the Colony has been planned. It will cause water logging/ flooding in the neighborhood of the project site. A complete realistic report, therefore, needs to be submitted for proper project appraisal after proper design, survey & investigation. In the form of inclusion of a chapter.
2. UNDER Clause 8 (5) on page 78, it is mentioned that "The entire site is provided with extensive planned underground drainage system with gravity connections to the Recharge pits. Overflow from last Recharge pit shall be connected to water Drain line. But, On page 21, a major contradiction has been observed wherein it is mentioned that a network of "storm water drain" is proposed all along the direction along the main roads and cross roads. All storm water drains will be "covered with RC slabs" so as to prevent the entry of soil and dust. Storm water collected through storm water drains and discharged into existing Storm Water Drains. Storm water drains will be constructed on all the edges of roads.

There has to be a clarity whether the project has been designed with Underground Pipe Drainage network or open drains with concrete covers along all roads & cross-roads, Extract of BOQ is required to substantiate the correct statement.

3. On page no 21, there is a statement that "For basement parking, the rainwater from ramps will be collected in the basement storm water storage tank. This water will be pumped out to the nearest external storm water drain." Inclusion of this irrelevant statement is irresponsible & may be explained.
4. On page-3, entirely misleading information about the project is stated which states that approximately 20% of construction activities have been done on the site.

5. On page 61, provision of Rs15 lakhs for Sewage Treatment Plant for one STP of 2400 KL capacity appears too low, to be checked.
6. On page 83, the following statement needs to be checked "Fire protection for these rooms will be done by portable extinguishers of suitable type and size. Suitable number & type of portable extinguishers will be provided as first-aid fire-fighting system."
7. Serious inconsistencies have been observed in the following statements in the FORM- 1A submitted by PP as these appear to refer to some other projects :
 - i. On page 70 , under clause 6, details of Building Block mentions "This proposed Assembly Building project having following blocks"
 - ii. On page 72 under clause 7. Water Requirement. Supply and Distribution, it mentions that Water will be collected in Raw Water Reservoir and after Chlorination, Treatment in WTP, it will be sent to the consumer points of Assembly Building through Hydro-pneumatic system.
 - iii. On page 79, under clause 10 power requirement, it is mentioned that "The Electrical design for Assembly Building has been conceptualized from the very inception of the project along with the architectural and structural design concept as an integrated whole".
 - iv. On page 80, under clause 10 power requirement, it is mentioned under sub-head "Solar System" that the Solar system to be used for area lighting & accordingly centralised photo electric cell panel shall be designed for this purpose and PV panel to be installed at roof of Assembly building."
 - v. On page 80, under clause 11 Solid Waste Generation and Management, it is mentioned that the project will adopt a systematic approach for solid waste collection .The domestic solid waste will be generated by the occupants of the Assembly building, pertains to the two categories,)
 - vi. On page 83 under clause 12 Fire Fighting System, it is mentioned that Firefighting installations will be designed, Fire-fighting installations as proposed in all blocks of Assembly Buildings are as follows: • Fire Hydrant with hoses ..."
8. On page 43, under "Passive Solar Design Consideration", following consideration adopted for passive solar design of the buildings in the proposed project has been mentioned. Now , when the project is almost complete, the statements mentioned below need to be realistic & conforming to the actual construction undertaken. In view of this the following may be corrected:
 - Maximum openings would be towards the north to get natural light that will not unduly heat up the interiors.
 - Least opening would be provided towards southern and western walls so as to cut out the hot incident rays of the sun.
 - Windows provided would be shaded adequately by designing double layer glass glazing so that no direct rays of sun can come into the building."
 - "Most of the external surface of the building will be designed in a way to have an air gap between the wall surface and the external skin. This should reduce the

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transmission of heat into the building as the heat would get dissipated into the air gap to an extent.”

On page 44 . “Glass panel will have maximum light transmission but low solar heat radiation. This will reduce quantity of heat inflow into the building. Single pane glass of 0.25 inches thickness with visible transmittance up to 85% day lighting may be used.” Also stated on Page44,

Under “Architectural features used in solar design include”: Residential building is North – South Oriented. North side never gets direct solar exposure. South side is easy to shade. Buildings have overhangs and terraces to achieve mutual shading ”. on pg 45,” There will be less numbers of openings on the west side and ore numbers of openings on south side & also Projections such as balconies are provided on the south direction such that summer sun is stopped and winter sun is let in

9. Revised Damage cost as furnished by the PP now is reproduced below:

Sr. No	Major Environment	Details	Cost , Rs Crores
	Air Environment	Treatment of Respiratory Diseases due to uncontrolled emissions of Particulate Matter PM10 and PM2.5 Total Population =127779, persons affected@0.11% (CPCB Report-Study of Respiratory Diseases, WHO Report, Lancet Journal and Indian Researchers) due to incremental load of 0.1µg/m ³ ,and for every 10 µg/m ³ .13% population develops Respiratory problems. Cost of Treatment involved =Rs.42000/= per person. no. of persons affected due to project =141 Total cost of Treatment =(141*42000)=Rs0.59 Cr	0.59
	Land Environment	Loss of Water Shed Area as direct component of ecology.(WORT Report) .The cost of constituent micro watershed is not available readily, hence the indirect cost of GDP price of the land involved has been considered. It is derived by dividing Total GDP (GSDP) value of Jharkhand State (Economic Survey 2017-18) and Total geographic area of Jharkhand State and it comes to Rs.189.0 m ² .Applying correction of -20 % to the value the net value of water shed to get the approximate	1.77

		restoration/backfilling =10% =588.87 m3. Total soil fines lost =(654.3+588.87) =1243.17 m3. No of dumper loads @ 4 m3= 311 nos. cost of 1 dumper load at current price = Rs. 3000.00, =3000 * 311 =Rs0.09 Cr. ii. Loss of soil nutrients as natural resource considering for 10 years of farming (assumption) = 0.05 * 10 = 0.5Cr	
		Total value of soil as natural resource , say	0.59
	Socio Economic Environment	As loss of agricultural crops(only single crop is assumed for simple calculations in absence of actual data.) i. Total Plot area = 236835.4 m2 ii. Paddy production per Kharip season (Jharkhand Agriculture Data) = 1361 Kg/Ha iii. Procurement price of paddy crop (Jharkhand Agriculture data 2018) = Rs.1750 per quintal iv. Total paddy production = 322.28 quintal Cost of paddy produced = 0.56 Cr Say Rs.0.50 C	0.50
Total			3.83 Cr.

SEAC discussed the on the replies queries raised by the committee in the earlier meetings and finds the revised remediation cost rs. 3.83 crores suitable for the same.

Finally SEAC recommends this proposal to SEIAA for issuance of EC subject to confirmation of submission of bank guarantee to the tune of Rs. 3.83 crore in favour of Jharkhand State Pollution Control Board, Ranchi with the following conditions as in Annex. V.

6. **Expansion of Residential project of M/s Apna Awas Engineering Pvt. Ltd. of Sri Jitendra Kumar Singh at Vill : Konka, Tehsil : Lower Bazar, Dist.: Ranchi.**

(Proposal no. : SIA/JH/MIS/121360/2019)

Details to include

DFO, Wildlife Ranchi vide memo no. 1108, dated 30.09.19 certified that the National Park. Bio-Diversity, Sanctuary not within 10 km and proposed site is under ESZ.

The DFO, Ranchi Division vide letter no. 472, dated 10.10.19 certified that the minimum distance is 250 m.

The CO, Shahar, Ranchi vide memo no. 646, dated 03.10.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyan& Register II.

To follow AAI report on height of the buildings affidavit to not to tower the existing pond.

Based of the documents & drawings submitted and presentation made during 82nd SEAC's Meeting are following are the observation :

1. Supporting document of land(LAND DEED) substantiating the ownership of the M/S Apna AEPL to be submitted
2. The layout of five RS plots plotted on coordinate system to be provided to examine if the outline of the five plots & the outline of map submitted
3. A Pond is existing adjoining just next to western boundary (property line the premises in RMC) in approved building map of 2015 . In 2007 approved RRDA map when the construction of building blocks adjoining the pond were to take place, this pond was not shown on the drawing. Related data regarding the existing waterbody with coordinate, dimensions, levels etc to be provided.
4. Municipal drain existing just outside the northern part of site having the lowest contour level of 96m. Recharge Borewell has been planned close to the drain. To be addressed in the proposal. Details of the Municipal drain to be provided.
5. Mismatch in numbers of plots in Site location mentioned in Conceptual plan & in drawing approved in 2015 by RMC, In 2007.
6. Revalidation of 2015 approved drawing by RMC is to be provided as the building map approved by RMC is over 4 years old & it needs revalidation after lapse of certain period as per municipal laws.
7. Revised NOC from Airport Authority is to be furnished for the height with respect to the Finished Terrace Level & also the certificate is 4 years old.
8. Mismatch in Project Site's Co-ordinates for which NOC of AAI obtained & Co-ordinate mentioned in Form-I.
9. Geo-Technical Report to be provided along with the revised proposal.
10. Rain Water Harvesting Pits with Retention time of 60 minutes.
11. Height & type of Barricading of the expansion Project to be specified.
12. The correctness of the following statement to be examined by PP:
-- "Storm water drains at site will collect the runoff from site & recharge Boirewells are provided to recharge this water to ground"-Clause 1.5 Form IA
"Approx 10966.5 cum sand will be excavated , will be used for Construction purpose"
Clause 1.6 Form IA.
13. Contradictory statements seen like " Treated water from STP will be used to the extent possible & excess will be discharged to SEWER(Form-1. clause 7.2)", "a ZERO DISCHARGE Project". PP to confirm if the City's Sewerage city is existing & functional .
14. To examine if project could be considered as EXPANSION OF PROJECT or not. In RRDA's approved map of 2007, 5 plots shown .In 2015 approved RMC Drawing , more plots added & a few existing shown in RRDA 2007 plan is omitted.
15. Layout of khatian plot for the expansion project including the original one to be provided to examine the correctness of total plot area as per deed as 257.99 D & as

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9301.4 Sqm. Approved Building map (PLAN, ELEVATION & SECTIONS) by RMC to be submitted.

18. Surface plan for 500m all around the project showing existing site physical features is to be provided showing all waterbodies, Road etc in a magnified scale.
19. Computational Detail of the Earthwork to be submitted.
20. General Arrangement drawing o superimposed on contour plan & mentioning the Finished Terrace Level on a proper coordinate system showing the existing & the proposed building blocks, outline of original 5 plots & outline of additional plots added, plots excluded, location of STP, LOCATION OF RWH pits, storm water drain, Sewer lines(Existing & proposed), Roads arrangement of parking of vehicles, all major connecting dimensions ,levels etc on a proper coordinate system to be immediately provided to appraise the project.
21. Approved Ground floor building plan & Basement plan with sections upto first floor of D ,E & F blocks with GA to be provided.

The PP has submitted the required documents at the fagend of the meeting which could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

7. **Mahil Stone Deposit of M/s Classic Engicon Pvt. Ltd. at Vill :Mahil, Thana: Sonahatu, Dist : Ranchi (1.90 Ha)**

(Proposal no. : SIA/JH/MIN/35155/2019)

This is a Stone Mining Project over an area of 1.90 Ha [Khata no. 285, Plot No.- 277, 278, 279, 284, 285 & 286, Khata no. 288, Plot No. - 273(P) & 283(P)]. The latitude and longitude of the project site is N23°09'44.46" To N23°09'50.40" and E85°49'26.96" To E85°49'34.77". The nearest railway station is Tiruldih at a distance of 11.57 km and nearest airport is Ranchi at a distance of 53.96 km. Total water requirement is 17.5 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	3,80,428 tonne
Probable Mineable Reserve	:	33,180 tonne

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

1 st Year	:	2,06,651 tonne
2 nd Year	:	2,06,956 tonne

The daily production as per Form-I is 690 tonne.

The indicated project cost is Rs 80.00 Lakh and a provision of Rs 5.26 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 932, dated 26.08.19 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The DFO, Khunti Division vide letter no 1675, dated 16.06.2019 certified that the distance of notified forest is 500 m from proposed project site.

The CO. Sonahatu (Ranchi) vide letter, dated 18.02.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO. Ranchi vide memo no. 856, dated 07.09.19 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 Ranchi 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 **Mahil Stone Deposit of M/s Classic Engicon Pvt. Ltd. at Vill :Mahil, Thana: Sonahatu, Dist : Ranchi (1.90 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II**.

DFO, Wildlife Ranchi vide memo no. 1108, dated 30.09.19 certified that the National Park. Bio-Diversity, Sanctuary not within 10 km and proposed site is under ESZ.

The DFO, Ranchi Division vide letter no. 472, dated 10.10.19 certified that the minimum distance is 250 m.

The CO. Shahar. Ranchi vide memo no. 646, dated 03.10.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

To follow AAI report on height of the buildings affidavit to not to tower the existing pond.

EC condition

- (1) RWH to increase the numbers
- (2) Greeneries 10% to 20%
- (3) Special care for wastage & treatment
- (4) Core port
- (5) Plots not available to be included

PPs the combatant presented the ToR points are replied quarries.

But *U* The PP Committee suggested to ~~increase the plantation from the present of~~ & start the *U* plantation immediately before taking up the expansion work.

Based on the presentation made the committee recommended to SEIAA for consideration of E.C as per the follow up conditions as shown in **Annex II**.

8. **Amarpur Mako-2 Stone Mine of M/s Geeta Stone Works (Prop. : Sri Deepak Kumar Chaudhary) at Vill. : Amarpur Mako-2, Tehsil : Barhait, Dist. : Sahebganj (2.985 Ha).**
(Proposal no. : SIA/JH/MIN/44201 /2019)

This is a Stone Mining Project over an area of 2.985 Ha [Khata no. 01, 15, 17, 14, 10, Plot No.- 64 (P), 71 (P), 77 (P), 80 (P), 81 (P), 146 (P)]. The latitude and longitude of the project site is N 22°50'40.24" To N 22°50'47.37" and E 87°38'43.83" To E 87°38'53.90". The nearest railway station is Barharwa at a distance of 14 km and nearest airport is Malda at a distance of 45 km. Water demand for potable purpose is about 1.0 KLD, for dust suppression 6.0 KLD and for green belt about 2.0 KLD, will be met by dug well / mine pit water.

The details of mine capacity as per Approved Mining Plan are

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Proved Mineable Reserve : 22,22,700 tonne

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

1 st Year	:	1,95,134 tonne
2 nd Year	:	1,95,010 tonne
3 rd Year	:	1,95,118 tonne
4 th Year	:	1,95,056 tonne
5 th Year	:	1,95,070 tonne

The daily production as per Form-I is 650 tonne.

The indicated project cost is Rs 1.80 Crore and a provision of Rs 6.50 Lakh has been indicated for Environment management.

The DFO, Wildlife Hazaribagh vide letter no. 2033, dated 21.09.19 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The DFO, Sahebganj Division vide letter no 801, dated 15.06.2019 certified that the distance of notified forest is 300 m from proposed project site.

The CO, Sonahatu (Ranchi) vide letter, dated 18.02.19 has mentioned the plot no. of the project are not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Sahebganj vide memo no. 95, dated 22.01.19 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 Sahebganj 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 **Amarpur Mako-2 Stone Mine of M/s Geeta Stone Works (Prop. : Sri Deepak Kumar Chaudhary) at Vill. : Amarpur Mako-2, Tehsil : Barhait, Dist. : Sahebganj (2.985 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure -II.

9. **Tetriya Stone Deposit of M/s Dadi Maa Stone Works at Vill :Tetriya, P.S.: Taljhari, Dist : Sahebganj (3.995 Ha).**

(Proposal no. : SIA/JH/MIN/42317/2019)

This is a Stone Mining Project with an area of 3.995 Ha [Khata no. : 7,8,1,2, Plot no. : 17 (P), 18, 19 (P), 34 (P), 36 (P)]. The latitude and longitude of the project site is 25°02'38.00"N to 25°02'43.81"N and 87°42'07.36"E to 87°42'14.78"E. The nearest railway station is Taljhari at a distance of 10 km and nearest airport is Kolkata, Netaji Subhash Chandra Bose Airport at a distance of 400 km. Total water requirement is about 16 KLD. Water will be taken from nearby village (Dug wells).

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	27,23,952 tonne
Probable Mineable Reserve	:	79,800 tonne

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

1 st Year	:	2,80,278 tonne
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2 nd Year	:	2,80,728 tonne
3 rd Year	:	2,80,746 tonne
4 th Year	:	2,80,956 tonne
5 th Year	:	2,80,278 tonne

The daily production as per Form-I is 937 tonne.

The indicated project cost is Rs 44.00 Lakh and a provision of Rs 2.20 Lakh has been indicated for CSR.

DFO, Wildlife Hazaribagh vide letter no. 1688, dated 21.08.19 certified that the Udhwa Lake Bird Sanctuary is 11195 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, Sahebganj Division vide memo no. 1797, dated 15.09.17 certified that the distance of notified forest is 270 m from proposed project site.

The CO, Taljhari vide letter no. 05/2019, dated 28.08.19 has mentioned the plots of the project are not recorded as "Jangle Jhari" in Nakal Khatiyani Register II.

DMO, Sahebganj vide memo no. 189, dated 23.01.18 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 Sahebganj 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 Tetriya Stone Deposit of M/s Dadi Maa Stone Works at Vill :Tetriya, P.S.: Taljhari, Dist : Sahebganj (3.995 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

10. Expansion of Existing Auto Components – 3000 TPA, Engineering Items – 600 TPA, Export Items (Auto Components + Engineering Items) 754000 Nos./yr. to various Forgings 60000 TPA for M/s Ramkrishna Forings Limited – Plant 1 at Plot No.- M5 & M6 , 6th Phase, Adityapur Industrial Area, Gamhria, Dist. : Saraikela-Kharsawan.

(Proposal No. : SIA/JH/IND/25007/2019)

The proposal was considered by the committee in its 63rd meeting held on 05-06.11.2018 and recommended for ToR. ToR was granted by SEIAA vide letter no. EC/SEIAA/2018-19/2083/2018/309, dated 13.12.2018. Public Hearing of the project was conducted on 20.09.2019. The final EIA / EMP was submitted by the PP to SEIAA on 15.10.2019 and forwarded to SEAC on 15.10.2019.

M/s Ramkrishna Forging Limited Plant – 1, proposes for the expansion of the existing Auto Components – 3000 TPA, Engineering Items – 600 TPA, Export Items (Auto Components + Engineering Items) 754000 Nos./yr. to various Forgings 60000 TPA. It will be improved combination of Engineering-cutting shop, smithy shop, and heat treatment. Proposed expansion site is located in Plot-M6, M5, Phase-VI, Adityapur Industrial Area, Gamharia, and District – Saraikela-Kharsawan in the state of Jharkhand. The site falls under the Survey of India Topo sheet No. 73 J/1. The Latitude and Longitude of the site is 22° 48' 12.67" N and 86° 07' 11.35" E respectively. Expansion is proposed in the existing land of 4.72 acres.

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Salient Features :

1.	Project Proposal	Expansion of the existing Auto Components – 3000 TPA, Engineering Items – 600 TPA, Export Items (Auto Components + Engineering Items) 754000 Nos./yr. to Various Forgings 60000 TPA.
2.	Name of the company	M/s Ramkrishna Forging Ltd, Plant -1.
3.	Area of plant	4.72 Acres (1.91 ha)
4.	Location	Plot-M6, M5, Phase-VI, Adityapur Industrial Area, Gamharia, and District – Saraikela-Kharsawan, Jharkhand. Latitude and Longitude - 22 ⁰ 48' 12.67" N and 86 ⁰ 07' 11.35" E.
5.	Proposed capacity	Various Forgings 60000 TPA.
6.	Cost of project	89.03 Crores
7.	Raw material & Fuel requirement	Billets/Rounds of Various grades of Steel – 71500 TPA. Furnace Oil – 5150 KL/year Diesel Oil – 250 KL/year Oil for Quenching – 10 KL/year.
8.	Manpower requirement	Total – 750 Managerial – 34, Skilled – 241, Semi-Skilled – 73, Unskilled – 402.
9.	Water requirement	150 KLD Source – Bore well.
10.	Power requirement	9.5 MW, Power source from JUSCO.
11.	Nearest Railway Station / Airport along with distance in Kms.	Gamharia – 1.75 Km Sonari Airport – 4.6 Km
12.	Nearest Town, City, District Headquarters along with distance in kms.	Gamharia – 2.25 km District Headquarter – 26.4 Km

Land use breakup

SL No	TYPE OF USE	AREA (acres)	AREA (ha)
1	Plant area (existing + expansion)	3.57	1.44
2	Entrance, Roads and Pavements	0.56	0.23
3	Storage yard, vacant area etc.	0.34	0.14
4	Water complex & RWH	0.15	0.06
5	Green Belt	0.10	0.04
	TOTAL	4.72	1.91

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The area falls under notified Industrial Area which has been approved for non-forest use as per letter of Deptt. of Forest, Govt. of Jharkhand, letter no. van bhumi - 47/2009 - 1910, dated 01.07.2009.

The configuration of proposed plant is as below:

Existing Unit -

Plant/Unit	Item of manufacture	Existing Capacity per Annum
Forging unit with Hammers, Pneumatic Hammers & Up-Settler	Auto Components	3000 TPA
	Engineering Items	600 TPA
	Export items (Auto Components+ Engineering items)	754000 Nos./yr

1. Proposed configuration after expansion-

Plant Facilities - addition	Product - addition	Capacity - addition per Annum
Various Forgings (Hammers, Pneumatic Hammers & Up-Settler)	Various Forgings	60000 TPA
Matching oil furnace based Heat Treatment Line		

Raw material requirement of the project, their source and transportation is as below:

Raw Materials	Grade of Raw Material	Weight in TPA	Mode of Transport
Billets and Rounds of Various grades of Steel	Mix Grade Alloy Steel	71500	Road - By trucks & Trailers
Consumables			
For Process & Heat Treatment	Furnace Oil	5150.0 KL/year	Road - By Tankers
	Diesel Oil	250.0 KL/year	Road - By Tankers
	Oil for Quenching	10.0 KL/year	Road - Trucks in drums

Management Plan for Solid Waste generated from the proposed project will be as below:

Particulars	Wt. of Raw Material	Wt. of Product	Wt. of scrap/ Reject
Steel Cutting & reject	71500	60000	11500
a. Rejects generated at RM inspection	Returned to supplier		

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b.	Rejects/scrap (short length) generated at Cutting section	Re-used for other product or stored in covered shed and sold for recycle to supplier/other steel making industries
c.	Scrap generated during process & machining	Properly stored in covered shed and sold for recycle to supplier/other steel making industries
d.	Hazardous waste (solid or liquid) generated will be stored properly and disposed to registered recyclers as per Hazardous & Other Wastes (Management, Handling & Transboundary Movement) Rules 2016	

Baseline Environmental Studies were conducted during winter season i.e. from December 2018 to February 2019. AAQ monitoring at 8 locations indicates that the concentration of PM₁₀ ranges from 54.40 µg/m³ to 85.80 µg/m³ and average PM_{2.5} data ranges from 21.80 µg/m³ to 43.50 µg/m³. Also average SO₂ is in ranges from 5.20 µg/m³ to 16.20 µg/m³, average NO₂ data ranges from 19.40 µg/m³ to 46.30 µg/m³, CO data ranges from 0.54 mg/m³ to 0.98 mg/m³. Concentrations of the AAQ parameters were within NAAQS limits. The result of the modelling study indicates that the maximum increase of GLC for the proposed project is 3.20 µg/m³ with respect to the PM10, 1.03 µg/m³ with respect to the SO₂ & 1.11 µg/m³ with respect to the NOx.

Ground Water Quality has been monitored in 8 locations in the study area and analysed. All parameters also found within the limits of IS:10500. Surface water Quality has been monitored in 4 locations in the study area and analysed. Parameters values ranged from - pH7.32 to 7.84; DO 5.8 to 6.9 mg/l and BOD: 10.47 to 18 mg/l. All parameters also found within the limits of "Class - C" surface water.

Noise levels are in the range of 50.84 to 72.58dB(A) for daytime and 41.62 to 63.73 dB(A) for night time.

There are no people residing in the core zone of the project. No R&R is involved. It has been envisaged that no families are to be rehabilitated for the project.

Public hearing for the project was conducted on 20.09.2019 by JSPCB at Adityapur Small Industries Association, Plot- M-5 (Part), Adityapur-Kandra Road, Adityapur, Dist - Saraikela-Kharsawan in the chairmanship of Shri Subodh Kumar, Additional District Magistrate (Law and Order). The issues raised by the public and response of the project proponent with action plan has been provided.

Budget for CER is Rs 90.00 Lakhs for implementing Enterprise Social Commitment.

Proposed CER/ESC Activities (based on public hearing issues and need based):

S. No.	Area of Concern	Action Plan	Budget Allocated (in Rs. Lakhs)
1)	Employment	• Vocational Training for Skill development for self-employment	30.00
2)	Health Care	• Health Care Centre & Camp	18.00
3)	Education	• Educational support to students & improving infrastructures in	12.00

S. No.	Area of Concern	Action Plan	Budget Allocated (in Rs. Lakhs)
		school	
4)	Drinking water & Sanitation	• Rain Water Storage tanks and Hand Pumps at nearby village	6.00
5)	Green cover Plantation	• Plantation along road side and in nearby villages	6.00
6)	Community Development & Cultural	• Maintenance of community halls, temples etc.	6.00
7)	• Other as per suggestion of Local Bodies		12.00
Total for CER (1% of Project Cost – as per OM, dt 01.05.2018)			90.00

Proposed ESC activities will be implemented within a span of 3 years along with implementation of the plant.

SL No	ITEM DESCRIPTION	CAPITAL INVESTMENT (Rs. in Laacs)	RECURRING COST PER YEAR (Rs. in Laacs)
1	Water Sprinkling System	3.00	0.60
2	Handling disposal of Solid Wastes	12.00	3.00
3	Green Belt & Plantation	1.50	0.60
4	Effluent Treatment Plant, RWH, others	10.00	3.00
5	Handling disposal of Hazardous Wastes	9.00	3.00
6	OHS Survey, Monitoring & Management	3.00	1.20
	TOTAL	38.50	11.40

The Capital Cost of the Project is Rs. 89.09 Crores and the capital cost for environmental protection measures is proposed as Rs. 38.50 Lakhs . The annual recurring cost toward the environmental protection measures is proposed as Rs. 11.40 Lakhs. The details of capital cost for environmental protection measures and annual recurring cost towards the environmental protection measures is as follows:

Note - Implementation of above EMP will be carried out along with installation of plant and completed prior to commissioning except for the Occupational health & Green Belt. There is no court case or litigation relating to environment against the unit.

DFO, Saraikela Division vide letter no. 1585, dated 03.08.18 certified that the distance of notified forest is 0 (Zero) m from proposed project site.

PP & the consultant have presented the EIMP report as per the point was replies of Tor conditions.

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The public hearing details have been submitted and discussed in the meeting.

The PP Committee suggested to increase the plantation from the present start the plantation immediately before taking up the expansion work.

Based on the presentation made the committee recommends to SEIAA for consideration of E.C. as per the follow up conditions as shown in Annex ~~III~~ VI

11. **Expansion Project of Rolling Mill from TMT Bars 29700 TPA to TMT Bars – 180000TPA with Coal/Oil Fired Re-heating Furnace of M/s Mohit Ventures Pvt. Ltd. at Vill. : Gumo, Gujhandi Road, Tehsil – Jhumretaliya, Dist. :- Koderma, (2.18 Ha).**

(Proposal No. : SIA/JH/IND/37950/2019)

M/s. Mohit Ventures Private Limited proposes to install a High Speed Rolling Mill with coal/furnace oil fired reheating furnace with final installed capacity of 180000 TPA from the existing capacity of 29700 TPA. The project will procure the raw materials from open market and coal pulverizer will be installed for uniform feed to reheating furnace. The cost of the project is estimated to be Rs. 2870.00 Lacs.

Environment Clearance for the existing unit not required as this is a secondary metallurgical unit with capacity less than 30000 TPA. CTE for the plant has been obtained from JSPCB on 25.05.2016 and Current CTO obtained for Rolled Products 29700 TPA from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-2304900/2019/1193, dated 24.06.2019 valid up to 30.06.2020.

Project Profile

Name of the Company	Mohit Ventures Pvt. Ltd.
Project	Expansion project
Address of the Company	Plant : Gumo, Gujhandi Road, Industrial Area, Ward No 1, Jhumretaliya, District -Koderma, Jharkhand
Units &Product	<u>EXISTING</u> TMT BARS 29700 TPA Rolling Mill with Coal/Oil fired re-heating furnace Existing Land Area- 5.40 Acres (2.18 ha) <u>PROPOSED FINAL CAPACITY</u> TMT BARS - 180000 TPA, Rolling Mill With Coal/ Oil Fired Re-Heating Furnace Within Existing Land Area- 5.40 Acres (2.18 ha)
Land Area	Total 5.40 acres (2.18 Ha).
Total Power Requirement	Total Power requirement After Final Expansion – 4 MW Source - DVC
Man Power Requirement	After Expansion – 70 numbers
Water Requirement	166 KLD. Source – Ground water through borewells

Estimated cost of plant	2870.00 Laacs
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Site Location

This project will be located at village- Gumo, Gujhandi Road, Jhumretaliya, Distt: Koderma in the state of Jharkhand over an area of 5.40 acres (2.18 ha.). The Latitude and Longitude of the proposed site is 24° 25' 09.26" N and 85° 29' 30.51" E respectively.

Process flow description

Section	Technology	Process flow
Rolling Mill (TMT Bars)	Re-heating furnace & Rolling Mill	Heating of billet in coal/oil fired furnace → Billet Charging → Roughing Mill → Intermediate Mill → Finishing Mill → Quenching → Cooling Bed → Storage & dispatch

Raw Material Requirement

Proposed Rolling Mill: TMT Bars – 546 TPD = Final 180000 TPA			
Raw material	PROPOSED TPD	FINAL CAPACITY	Source
MS Billets	568 TPD	187440 TPA	Ramgarh/ Gola
Fuel for Reheating Furnace: Coal or Oil			
Coal Or Oil	Coal –39.0 TPD Or Oil – 20.0 KLD	Coal - 12870 TPA Or Oil – 6600 KL/Year	Jharkhand

Water and Power Requirement

The total water requirement for the proposed project is estimated to be 166 KLD which will be sourced through ground water. A total of 04 MW power will be required for the proposed project which will be sourced from DVC.

Solid Waste Generation and Management

Quantity of solid waste generation is estimated. Scrap and cuttings will be sold to induction furnace unit for re-use. The solid waste is not hazardous in nature.

Dust from Bag filter and other APC system	-	165 TPA
Scrap/Cutting from Rolling Mill	-	7095 TPA

Hazardous waste: There is no hazardous waste from the plant except for used oil 0.2 KL from equipment, which is saleable to the registered recyclers in the market.

Consultant engaged

Visiontek Consultancy Services Private Limited, Bhubneswar. Having the NABET Accreditation as - NABET/EIA/1720/RA 0090(Rev1). Dated 28.05.2018 and QCI Sl. No.- 161 (As per list of accredited consultants. October 2019).

DFO, Wildlife Hazaribagh vide letter no. 1202, dated 20.06.19 certified that the Koderma Wildlife Sanctuary is 6880 m from project site and not within 10 km from National Park. Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

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DFO, Koderma Division vide letter no. 1569, dated 25.04.19 certified that the distance of notified forest is 400 m from proposed project site.

The CO, Koderma vide memo no. 48, dated 07.06.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meeting held during 04 - 07th November, 2019, the Committee recommends the SEIAA for issuing of TORs for undertaking detailed EIA / EMP study. The ToR points are enclosed as Annexure - III.

12. Expansion and modernization of existing plant to Induction Furnaces 4x12 T (Billets/Ingots – 158400 TPA) with Slag Crusher – 52800 TPA and Rolling Mill 158400 TPA for Jai Prabhuji Iron & Steel (P) Limited at Village –Kandra Industrial Area, Govindpur, Tehsil – Govindpur, Dist : – Dhanbad.

(Proposal no. : SIA/JH/IND/37479/2019)

Jai Prabhuji Iron & Steel Ltd. proposes for Expansion & Modernization of existing plant of – M.S. Billets 36000 TPA to Final Configuration of Induction Furnaces 4x12T (Billets/Ingots- 158400 TPA) with Slag Crusher- 52800 TPA and Rolling Mill 158400 TPA in 2 phases.

Environment Clearance for the existing unit has been obtained vide Letter No. J-11011/180/2010-IA-II(I), dated 13.07.2011 for MS Ingots 36000 TPA and Silico Manganese 15000 TPA. Subsequently under section 7 (ii) of EIA Notification the modification was undertaken to change the ingot production to Billets Production of same capacity i.e. 36000 TPA. Proposal for Silico Manganese was dropped. Current CTO obtained for Billets Production 36000 TPA from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-3706288/2018/169, dated 30.10.2018 valid up to 31.12.2023.

Project at a Glance

1	Name of the Company	Jai Prabhuji Iron & Steel Limited
2	Address of the Company	Plot No C-21 to C-25, Kandra Industrial Area, Govindpur, District – Dhanbad, Jharkhand
3	Constitution	Private Limited Company
4	Promoters Of The Project	1. Prabhu Narayan Singh 2. Raj Kumar Choudhary 3. Nawdeep Khaitan 4. Kailash Goyal 5. Sushil Singh 6. Rajendra Singh Chhabra
5	Units & Product	<u>EXISTING</u> Induction Furnace (Billets/Ingots) -1x3T + 2x6T – 3600 TPA <u>PROPOSED, PHASE 1</u>

		<p>Induction Furnace (Billets/Ingots) -1x3T + 2x6T – 49500 TPA</p> <p>By upgrading supply panel and reducing thickness of lining to increase holding capacity. Increasing number of heats per day to 10 and 330 working days.</p> <p>Addition of Slag crusher 10 TPH -52800 TPA</p> <p><u>PROPOSED PHASE 2</u></p> <p>Induction Furnace 1x3T + 2x6T to be replaced by 3 x 12T</p> <p>Addition of 1x12T Furnace. Total Billets/Ingots – 158400 TPA</p> <p>Addition of Direct Hot Charging Rolling Mill – 158400 TPA</p> <p><u>PROPOSED FINAL CONFIGURATIONS: AT 330 OPERATING DAYS</u></p> <p>Billets/Ingots– 158400 TPA</p> <p>Rolling Mill – 158400 TPA</p> <p>Slag Crusher – 52800 TPA</p>
6	Total Power Requirement	<p>Existing Power Sanctioned – 9.5 MVA</p> <p>Total Power requirement After Final Expansion –25 MVA</p>
7	Man Power Requirement	<p>Present- 80 numbers</p> <p>After Expansion – 150 numbers</p>
8	Land Area	<p>3.38Acres (1.37Ha) existing. Additional 1.50 acres acquired.</p> <p>Total 4.88 acres (1.975 Ha). Full Land is in possession. Entire land in in industrial area.</p>

Site Location

This project is located in Kandra Industrial Area over Plot Nos C-21, C-22, C-23, C-24, C-25 P.O. Govindpur, District- Dhanbad in the state of Jharkhand over an area of 4.88 acres (1.975 ha). The Latitude and Longitude of the proposed site is 23° 50' 55.49" N and 86° 28' 43.00"E respectively.

Project Profile

Existing and Proposed Units

Plant	Existing installed Units		Proposed Phase-1 Expansion		
	Unit	Capacity TPA	Unit	Operation Days	Capacity TPA
Steel Melting Shop Induction Furnace	1x3 Tons + 2x6 Tons	120 TPD (36000 TPA)	1x3 Tons + 2x6 Tons (By upgrading panel and reducing lining	330	49.500

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Continuous Casting Machine (CCM)	2 Strand, 4/7m rad	120 TPD (36000 TPA)	thickness) 2 Strand, 4/7 m radius(existing)	330	49500
Slag Crusher Unit	-	-	1 x 10 TPH	330	52800 TPA (Metal Recovery - 5280 TPA)
Proposed Phase-2 Expansion					
Steel Melting Shop Induction Furnace	1x3 Tons + 2x6 Tons	150 TPD (49500 TPA)	4x12 Tons Existing furnaces to be replaced & addition of one new furnace	330	158.400
Continuous Casting Machine (CCM)	2 Strand, 4/7m rad	49500 TPA	2 Strand, 6/11m	330	158,400
Reheating Furnace			1x30 TPH	330	99000
Rolling Mill			480 TPD	330	158400

Process flow description

Section	Technology	Process flow
SMS Unit	Induction Furnace (IF)& CCM	Feeding of RM → Melting in IF (adding alloys as per requirement) → Metal in Liquid form → casting & cooling → dispatch. Other outputs : Slag from Induction Furnace
Rolling Mill	Direct Rolling of hot billets/Ingots/Re-heating	Feeding of hot billets/Ingots → roughing strands → rolling → cutting & bundle → dispatch
Slag Crusher	Crushing of slag & Metal recovery	Feeding of Slag → Primary crusher → Screening → Metal recovery in magnetic separator → disposal of crushed slag

Raw Material Requirement

Raw Materials	Required materials for Per Ton of product	Total Raw materials required After Expansion	Source
Billets/Ingots (Total production: 158400 TPA)			

Sponge Iron	0.800	126720 TPA	Local Plants in vicinity Through Road
Pig Iron	0.300	47520 TPA	
Scrap	0.150	23760 TPA	In-house & nearby Plants. Through Road
Ferro Alloys (SiMn/FeSi)	0.002	317 TPA	Local Plants in vicinity Through Road
Rolling Mill – TMT Bars/Strips(Total production: 158400 TPA)			
Hot Billets/Ingots/M.S. Billets/Ingots	1.00	158400 TPA	158400 TPA. In-house – Ho Billets/Ingots direct charging & rest from nearby Plants. Through Road
Coal/Furnace Oil for re-heating furnace	0.07	11088 TPA/3300 KL	Purchase from open market

Water and Power Requirement

The total water requirement for the proposed project is estimated to be 170 KLD which will be sourced through ground water. A total of 25 MVA power will be required for the proposed project which will be sourced from DVC.

Solid Waste Generation and Management

Units	Solid Wastes	Qty In TPA	Disposal practice
Induction Furnace	Slag	39600	After metal extraction it will be supplied to flyash bricks manufacturing.
Rolling Mill	Mill Scale	3168	Recycled in-house along with scrap in the induction furnace.
Re-heating furnace	Ash & Bag filter dust	2100*	Supplied to fly ash block manufacturers. *No generation if furnace oil is used.
Bag Filter Dust from process	Dust from process	480	Partly recycled (metal content). Rest supplied to fly ash bricks manufacturing.

Hazardous waste: There is no hazardous waste from the plant except for used oil (approx. 300 lit/year) from equipment, which is saleable to the registered recyclers in the market.

Rehabilitation and Resettlements (R & R) Plan

No R & R involved.

Project Cost

Total un-depreciated cost of the existing project as on 31.3.2019 is Rs. 6.60 Crores. An indicative total project cost after expansion/modernization of the plant is envisaged as Rs. 22.05 Crores. (i.e. Rs.6.60 Crores + Rs.15.45 Crores)

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DFO, Wildlife Hazaribagh vide letter no. 1347, dated 11.07.2019 certified that the Topchanchi Wildlife Sanctuary is 26860 m from project site and proposed project is not within 10 km from National Park, Bio-Diversity & Sanctuary and not situated in any ESZ.

The DFO, Dhanbad Division vide letter no. 1678, dated 06.11.18 certified that the distance of notified forest is 2037 m from proposed project site.

The CO, Govindpur vide letter no. 634, dated 05.07.19 has mentioned the plots of the project are not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meeting held during 04 - 07th November, 2019, the Committee recommends to SEIAA for issuing of TORs for undertaking detailed EIA / EMP study. The ToR points are enclosed as Annexure - III.

Day 2 : November 05, 2019 [Tuesday]

Consideration of Proposals

1. Construction of 500 bedded Government Hospital of Jharkhand State Building Construction Corporation Ltd. at Vill. : Kolghati 1, Anchal :Sadar, Dist. : Hazaribagh. (Proposal No. : SIA/JH/NCP/74878/2018)

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 latitude and longitude of the project site is 24° 0' 54.01" N to 24° 0' 55.99" N and 85° 21' 44.66" E to 85° 21' 48.62" E.

Salient Features of the project :

S. No.	Block No.	Particulars	Total (m ²)
1.	-	Total plot area	101171.45 (25 acres)
2.	-	Permissible Ground Coverage (@50% of Total Plot area)	50585.72
3.	-	Total Proposed Ground Coverage (@25.06% of Total plot area)	25357.42
4.	-	Proposed Ground Coverage for Hospital Building (@9.066% of Total plot area)	9172.75
5.	-	Permissible FAR @2.5	252928.625
6.	-	Proposed FAR @1.30	131850.11
7.	B+G+6	Proposed FAR for Hospital Building @0.566	56293.6
8.	G+1	Proposed 500 Capacity auditorium	2542.01

9.	S+8	Proposed Type 3 Residence	5591.36
10.	S+5	Proposed Resident Doctors Hostel	3524.28
11.	G+5	Proposed Intern's Hostel	3644.33
12.	G+1	Proposed Type 6 (Dean/MS Residence)	906.5
13.	G+6	Proposed Nurse Hostel	4002.05
14.	G+3	Proposed Guest Hostel	1491.34
15.	G+1	Proposed Student Recreational Block	585.19
16.	G+1	Proposed ESS & UGT	1306.5
17.	G	Proposed Guard room	14.4
18.	-	Proposed STP & ETP	383
19.	G+4	Existing Medical College	24794.0
20.	G+8	Existing Girls Hostel	8935.0
21.	G+8	Existing Boys Hostel	8935.0
22.	S+8	Existing Type - 4 (Block 1)	4952.0
23.	S+7	Existing Type - 4 (Block 2)	4333.0
24.	-	Proposed Basement Parking area for Hospital	4780.0
25.	-	Total Built Up Area (BUA) for Hospital (7+16+17+18+24)	62775.5
26.	-	Open Area (Total Plot Area - Ground Coverage)	75814.03
27.	-	Proposed Landscape Area (25.59 % of Open Area)	19403.330
28.		Height of the Hospital Building (m) (G+6)	29.50
29.	-	Project cost	509.14 crores

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S. No.	Description	Particulars	Unit
GENERAL			
1.	Total Plot Area	101171.45	SQM
2.	Ground Coverage of Hospital	9172.75	SQM
3.	Proposed Built Up Area of Hospital component	62775.5	SQM
4.	Building Blocks	Hospital Building, ESS & UGT, Guard room, STP & ETP.	
5.	Max Height of Building up to terrace level	29.50	M
6.	Max No of Floors for hospital building only	S+G+6	NOS
WATER REQUIREMENT FOR HOSPITAL COMPONENT			
7.	Total fresh water requirement	195	KLD
8.	Total sewerage generation	241	KLD
9.	Proposed ETP Capacity	50	KLD
10.	Proposed STP Capacity (SBR Type)	300	KLD
PARKING FOR HOSPITAL COMPONENT			
11	Required Parking for Hospital Building as per Jharkhand Bye Laws	34	ECS
12	Total Proposed parking	137	ECS
GREEN AREA FOR TOTAL PROJECT SITE			
13	Proposed Green Area 19.17 % of total plot area	19403.330	SQM
WASTE GENERATION FOR HOSPITAL COMPONENT			
14	Total Solid waste generated	942.176 kg/day	Kg/day
15	Biomedical Waste	25 % of Total Waste=235.75	Kg/day
POWER FOR HOSPITAL COMPONENT			

16	Total Power Requirement	2921.8	KW
17	DG set backup	1500*2=3000	KVA
RAIN WATER HARVESTING FOR HOSPITAL COMPONENT			
18	Rain water Harvesting Pits (in total plot area)	21	NOS

POPULATION DETAILS FOR HOSPITAL COMPONENT

S. No.	Particulars	No. of beds	PPU/no. of person/m ²	Total Population
1.	Patients	500	1- person per 1 bed	500
2.	Attendant	500	1-person per 1 bed	500
3.	Out Patient Department (OPD)			2000
4.	Staff (Doctor+ Nurse + Helper)			500
5.	Visitors (20% of Hospital Population i.e. 500)			100
Total Population				3600

DAILY WATER DEMAND FOR HOSPITAL COMPONENT :

S. No	Description	Area (sq. mtr)	No. of Beds / Occupancy	Rate of water demand for domestic (@lpcd)	Water Requirement for Domestic (KLD)	Rate of water demand for Flushing (@lpcd)	Water Requirement for Flushing (KLD)	Total Water Requirement Domestic + Flushing (KLD)	
A. Hospital Building									
1	Patients + Attendant + Staff + visitors		500	300	150	150	75	225	
2	Out Patient Department (OPD)		2000	10	20	5	10	30	
3	Laundry + Kitchen		500	50	25	0	0	25	
Total Domestic Water Requirement								280.0	
B.	Horticulture	19403.330	3 liter for 1 sq. mtr						58.2 say 58

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C.	DG Set	3000 KVA (2*1500 KVA)	0.9*KVA* 8 Hours	21.6
D.	HVAC	430 (TR)	10*Capacity* 12 hours	51.6
Total Water Requirement				411.2
				Say 411 KLD

Waste Water Management :

The STP proposed for the total project is of 550 KLD of SBR technology (developed module wise).

The ETP proposed for treatment for the effluents will be of capacity 50 KLD.

The requirement of STP capacity for the Hospital component only is 300 KLD out of 550 KLD.

The wastewater estimated for the hospital component is 241 KLD which will be treated in STP.

There will be a provision of separate and dedicated lines of plumbing from OT, Labs and other photogenic sources that are high in COD, which will be diverted to ETP of capacity 50 KLD designed to meet the discharge standards of landscaping and horticulture.

Brief description of Effluent Treatment Plant (ETP) for proposed Hospital (50 KLD)

Effluent Treatment Plant :

The effluent from different laboratories, OT and hospital will be treated in ETP having following units:

Primary unit

The primary unit consist of screening and equalization tank. The raw hospital/lab. effluent will pass through the bar screen chamber. The Bar Screen has narrow slits that capture the material and further the effluent pass into the equalization tank where prechlorination and aeration will be done.

Secondary treatment

In secondary treatment i.e. Physico-chemical treatment the effluent from equalisation tank will come into the Reaction tank where Fenton's reagent will be mixed at low pH which work as an high oxidizing chemical and oxidize all the possible bacteria and virus and infectious units. Deep oxidation of bacteria will take place for 10-15 min , after that Neutralization process will be carried out and followed by Polymer dosing for better flocculation and coagulation.

Tube settler-The effluent will be settled in the tube settler and sludge will be settled down here and supernatant will be collected from the top to intermediate storage tank

Disinfection unit- The oxylite dosing will be carried out in the intermediate storage tank to disinfect .Rare possible bacteria after deep oxidation in the reaction tank. The process does not generate any carcinogenic chloro-organic compounds.

Tertiary treatment-

MGF-Multi grade filter will remove the possible particle in the treated effluent which pass through UV system before using for horticulture purpose or public sewerage system (Treated effluent 50 KLD max.).

Sludge-The ETP sludge will be handled in the Filter press and dispose off as per the provision of Hazardous Solid waste management rules.

Solid Waste Management :

S. No	Category	Kg per capita per day	Waste generated (kg/day)
1	Patient + Attendant	1000 @ 0.5 kg/day	500
2	Staff	500 @ 0.25 kg / day	125
3	Visitor +OPD	2100 @ 0.15 kg /day	315
4	Landscape waste (54992.337 m ²)	13.58 @ 0.2 kg/acres	2.716
Total Solid Waste Generated			943 kg/day

Total Bio medical waste is 25% of total solid waste i.e. 235.75 kg/day

Total E-waste generation is 1 % of total solid waste i.e. 7.07 kg/day

1. Municipal Solid waste : Organic wastes shall be collected at site marked and disposed off through authorized recyclers
2. Hazardous waste: Waste oil will be disposed off through authorized recyclers.
3. Biomedical waste: Waste will be disposed off through BMW facility .
4. Construction Waste: will be used on site as filler material for covering open spaces such as internal roads and pavements remaining construction waste if any will be sent to an approved dumping site.

SOLID WASTE GENERATION (Component Wise)

S. No	Waste	Quantity Kg/day	Percentage
1	Biomedical waste	235.75	25
Rest remaining MSW kg/day		707.25	
2	Bio degradable waste -	353.62	50
3	Non-bio degradable	282.90	40
4	Other inert waste	63.65	9
5	E-waste	07.07	1

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Rain Water Harvesting for the Hospital Component :

S.NO.	DESCRIPTION	DETAILS	UNIT
A	Terraces areas - Volume of runoff		
1	AREA	25888.59	SQM
		2.588859	HECTARE
2	RAINFALL (One Hour)	25	mm/Hr
3	COEFFICIENT	0.8	
4	DISCHARGE AS PER RAINFALL INTENSITY (Q)	517.77	CUM/Hr
B	Paved, Road, Parking, Private terrace areas - Volume of runoff		
1	AREA	60172.54	SQM
		6.017254	HECTARE
2	RAINFALL (One Hour)	25	mm/Hr
3	COEFFICIENT	0.7	
4	DISCHARGE AS PER RAINFALL INTENSITY (Q)	1053.02	CUM/Hr
C	Landscaped & green areas - volume of runoff		
1	AREA	12376.84	SQM
		1.237684	HECTARE
2	RAINFALL (One Hour)	25	mm/Hr
3	COEFFICIENT	0.2	
4	DISCHARGE AS PER RAINFALL INTENSITY (Q)	61.88	CUM/Hr
D	Total for all areas - volume of runoff & Calculation for RWH		
1	Total Volume of runoff generated from the proposed campus (A+B+C)	1632.68	m ³
2	Percolation of Rain Water through harvesting pit 10% of total discharge	163.27	m ³
3	Balance Volume of rainwater discharge capacity.	1469.41	m ³
4	Size of the Rain Water Harvesting Pit Structure for 60 minute storage (Dia.of Pit-4.5m & effective depth-4.5m)	1469.41	m ³
5	Volume of a single circular recharge pit	71.53	m ³
6	Hence No. of pits required	21	Nos

Energy Saving Measures :

Use of local building material to reduce pollution & transportation energy.

All the pumps shall have minimum efficiency as per ECBC norms
 Energy efficient building envelope-use of fly ash bricks/AAC blocks for external walls
 Insulation to roof.

Programmable switching arrangement for external lighting to prevent wastage of energy.
Energy efficient lighting fixture LED lamps to be provided in common areas.
Adequate solar panels will be installed to conserve energy.

ECBC norms shall be complied.

DFO. Hazaribagh vide letter no. 1469. dated 28.03.19 certified that the distance of forest is 1500 m from proposed project site.

DFO. Wildlife, Hazaribagh vide letter no. 273, dated 06.02.2019 certified that Hazariabgh Wildlife Sanctuary and Eco Sensitive Zone is within 10 km from proposed project site and National Park / Bio-Diversity not within 10 km. Since the distance of site is less than 10 km from the Wildlife Sanctuary. PP has submitted an application the National Board for Wild Life (Proposal No. : FP / JH / Others/ 4278 / 2019) and submitted the acknowledgment for the receipt of proposal.

The CO, Sadar, Hazaribagh vide letter no. 848, dated 01.06.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani.

The News Paper (Hindustan Times) dated 21.08.2019 reported that the Hazaribagh Medical College & Hospital is operating. As such SEAC entrusted 02 members to visit the site of the project and submit their report for further action as to whether the Hospital building has been constructed or not without getting prior EC. Member Secretary, SEAC is being requested to inform the concerned PP regarding site visit, date etc.

The proposal was presented in SEAC on 29-30.08.19 in which requisite documents were sought as under -

- i. *Rain Water Harvesting potentiality study.*
- ii. *Zero discharge potentiality.*
- iii. *Bio-medical segregation treatment & disposal plan alongwith cost & time frame.*
- iv. *Hydrological report – Radius of influence & recharge potential.*
- v. *Continuous monitoring study of ground water.*
- vi. *Volatile organic carbon & order control plan – Time, cost & schedule.*
- vii. *Eco Sensitive Zone – Status of the project.*

The above mentioned requisite documents have been submitted by the PP.

PP and the consultant presented the replies to the queries raised in the site visit report. The raised issues are not properly replied & needs further relook.

The Form-I is to be submitted properly as per the ownership of the project.

The SEAC has follow observation :-

- i. *Proposal submitted is comprising of combined drawings of Medical College Complex, Hospital Building & other buildings. It is not clear as to whether the project area of 25 acres (101171.45 sqm) where the Hospital building & other buildings for which EC proposal has been submitted is situated on said plot. A separate drawing showing plot required for project area of Hospital Building & other buildings and related infrastructures, for which EC has been sought over the project area with co-ordinates and Contours may be submitted.*
- ii. *It is clear from Drg no. ECCF/SPCL/HMCP/TS/17/2610 that in the proposed site for Hospital building to waterbodies are existing. On field visit, it was found that on of the*

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waterbody has been partially filled up to construct Hospital related structures without taking prior EC. This amounts to violation of provisions of E(P) Act / EIA notification, 2006. The PP may clarify their position.

- iii. Similarly, the coordinates given is Table - 1 page no. 62 of the EIA report, when plotted on Google Earth Image shows already constructed structures in the project area. This also amounts to violation of provisions under E(P) Act and EIA notification, 2006.
- iv. The two roads of width 9 m and 7.5 m (existing & proposed) running from west to east inside the plot & the various infrastructures being constructed/proposed to be constructed along these two roads like Storm water drains, Sewer line, Rain water harvesting pits, domestic water supply lines etc, are serving the basic necessity of Hospital Building proper, ETP & STP etc for which the PP has submitted the proposal and these constructed structures cannot be treated in isolation.
- v. Construction of these roads, the above stated infrastructures and also the embankment required for roads & site filling upto 102 m level has resulted/resulting in encroachment of about 40% of pond area from approximately 8795 sqm to 5372 sqm (as elaborated in point no. 4 below). this amounts to construction of infrastructure required for Hospital Building without taking prior EC, which amounts to violation of provisions of E(P) Act / EIA notification, 2006. It requires clarification from PP.
- vi. The dimension of original existing pond in the western half of the plot has been mentioned as 124.44mX76.70m/64.65m i.e. having surface area (plan area) of appx. $124.44m \times 70.675m = 8795 \text{ sqm}$ in drawing sheet 01 submitted by PP and the same drawing indicates existing pond, as per current survey to have a size of 70.04 m X 76.70 m = 5372 sqm i.e. a reduction of $(1 - 5372/8795) \times 100 = 39\%$ approx. of surface area.
- vii. The original contour plan submitted by the PP (Drg no. ECCF/SPCL/HMCP/TS/17/2610 of 2017) indicates existence of Pond/water body of irregular shape in the eastern half of the plot. This drawing is basically a contour plan of site which also is not showing continuity of contours through pond & water bodies as per established norms.
- viii. The Hospital building, as per layout drawing submitted by the PP has been proposed to be located over this water body covering about 65% of water body surface area (as could be assessed visually). During site visit, the above stated water body as per drawing no. 2610 has been observed to be in dry condition with growth of grass & other vegetation on it. The PP has now mentioned this water body as "LOW LYING AREA" in the revised proposal, as it is dry now. The PP has carried out contour survey after SEAC's site visit and has submitted revised contour plan including this area as well, from which it appears that 94.5 m is the lowest level in it, requiring about 7.5 m earth filling for achieving the finished terrace level.
- ix. To make use of this level gainfully in construction of structures, the PP has proposed single basement construction in this area partly which also will not be able to cover up the entire depth.
- x. The scheme drawing showing RCC detail of Retaining wall of 8 m height to retain the terrace filling up to FTL appears to be non-workable. It is seen that the foundation of the said wall is extending over 2 m width beyond the proposed area line of the Hospital

Complex in some other's property, which may will not be permitted. Besides, because of huge level difference obstruction posed in natural drainage of area by proposed construction of Hospital building complex and the proposed wall etc, the earth cover provided in the foundation (footing) outside the project area will be subjected to erosion during rains without appropriate protection measures. It may be relevant to mention that the ground beyond the boundary wall towards the eastern side is having slope towards a natural stream / nallah therefore is having lower contours towards the eastern side away from the boundary wall. Though which holes has been proposed water drained thus from these are being made to have free fall over the earth cover of foundation of wall, which again will contribute to erosion.

- xi. Computational details of earth work in site levelling has not been furnished although quantity of earth filling in site levelling has been mentioned to be over 1.25 Lakhs cubic meter. BOQ items has also been provided. Availability of uninterrupted supply of this huge quantity of borrowed earth from the identified borrow area (which is an important component of project) has not been addressed in the PP's compliance.
- xii. The various inadequacies and mistakes noted in the proposal which were pointed out in SEAC's communication has been complied by submission of additional drawings & documents, incorporation of clauses & rectification of errors in the documents etc. Most of the details have been furnished but still having short coming and are not fully in order which has been discussed and apprised to PP during the meeting. Various Annexure mentioned in the proposal is missing.
- xiii. The committee still feels that the mortuary needs to be relocated in isolated area.
- xiv. The letter addressed to Hazaribagh Municipal Corporation dt. 22.03.18 for municipal approval of 500 bedded Hospital & its buildings & related infrastructures requiring EC do not mention either total plot area of 101171.45 sqm (25 Areas) or built up area of Hospital and other building as stated in project proposal. It is still not clear if the details contained in proposal and the application to Municipal corporation are in consonance with each other. The Committee would like to have relevant documentary evidence that the two are matching with each other. This is most basic requirement.

Chairman SEAC opines that –

On the basis of inspection report submitted by SEAC members visiting proposed hospital site & report submitted by them, it is not clear whether the

(i) Two projects are part of the same project.

(ii) Whether academic glone has been constructed.


(iii) Water bodies was seen at the proposed plot which was reported to be of changed sizes.



It is therefore, felt that to consider the proposed in expeditious manner following clarifications are designed from PP end as land are with co-ordinates of project indicating individual and joint areas including water bodies co-ordinates need to be provided.

The above mentioned requisite documents have been submitted by the PP.

PP & the competent presented the point wise presented quarries.

The committee was of the view that the existing pond to being changed which needs to be restricted.


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The site has been relocated place which is to be properly included in the plan for implementation.

Based on the presentation made as above the committee recommends to SEIAA for concluding of issuance of EC with following Annex

SEAC's Observation and calclusion

Document regarding the inclusion of the project in master plan approved by the competent local authority is not submitted with the proposal.

Drawing of storm water layout site plan, Sewer layout plan is inconclusive & incomplete & are unsigned.

The topographic map as shown as revised survey is not well documented & is unsigned.

Hospital area earth cutting and filling layout plan is incomplete as it includes only the hospital main building, other related structures and infrastructures are not included. The drawing is unsined.

Master plan drawing, the title itself is incorrect and & inconclusive & is unsigned.

Master plan showing building seeking EC is again having wrong nomenclature, as the map should include all relevant structures & infrastructures for which EC has been sought .Drawing is unsigned. The project proposal is forwarded to SEIAA for needful.

Compliance to points raised during 82nd Meeting of SEAC, Jharkhand :

S. no.	Observation	Reply
1	PP's reply of SEAC's point no. 1 of observation.	Reply is not appropriate as the coordinate exclude other related buildings and infrastructures of Hospital Building complex .
2	PP's reply of SEAC's point no. 2 of observation.	Supporting Google image for water body on the eastern side not provided. Identification of infrastructures for Hospital complex like sewer line, roads, drain & rain water harvesting etc not getting identified from the submitted drawing.
3.	PP's reply of SEAC's point no. 3 of observation.	Even revised co-ordinates do not cover all structures & infrastructures of hospital building. It only shows hospital building proper.
4.	PP's reply of SEAC's point no. 4 of observation.	The infrastructures for hospital building Complex for which drawings have been submitted are not indicating the required features related with hospital complex.
5.	PP's reply of SEAC's point no. 5 of observation.	Alteration in natural water body shape & size is violation of EIA provisions.

6.	PP's reply of SEAC's point no. 6 of observation.	Already replied in previous point.
7.	PP's reply of SEAC's point no. 7 of observation.	Google image of the area supporting the PPs statement to be furnished.
8.	PP's reply of SEAC's point no. 8 of observation.	Google image of the area supporting the PPs statement to be furnished.
9.	PP to reply of SEAC's point no. 9 of observation.	Ok
10.	PP to reply of SEAC's point no. 10 of observation.	Not yet submitted
11.	PP's to reply of SEAC's point no.11 of observation.	Pending at PPs end.
12.	PP's reply of SEAC's pointno. 12 of observation.	Ok
13.	PP's reply of SEAC's pointno. 13 of observation.	Ok

Compliance of Hon'ble Chairman SEAC's reply:

SN	Observation	Reply
1.	PP's reply of point no. 1 of observation.	Incorrect
2.	PP's reply of SEACs point no. 2 of observation.	Ok
3.	PP to reply of SEACs point no. 3 of observation.	--

Conclusion: The PP has submitted the required documents at the fagend of the meeting which could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

2. **500 Bedded Govt. Hospital of M/s Jharkhand State Building Construction Corporation Ltd., Vill : Pokhaha Khurd, Dist : Palamau**
(Proposal No. : SIA/JH/NCP/74855/2018)

Taking into consideration the growing medical need of the people of the state. the Government of Jharkhand has planned to construct a 500 bedded Govt. As per the guidelines issued by MoEF&CC only the component of hospital building is seeked for Environment Clearance. The case was presented by Environment consultant M/s

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Oceao-Enviro Management Solutions India Pvt. Ltd (QCI certificate no. NABET/EIA/1821/IA 0033 Valid till 23.01.2021). Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1,50,000sq m and development area is less than 50 ha.

The Geographical coordinates of the total area of the medical college and hospital are as follows:

Hospital within the medical college:

S. No	Pillar	LONGITUDE	LATITUDE
1	A	84° 6' 44.74" E	24° 2' 27.81" N
2	B	84° 6' 44.69" E	24° 2' 24.50" N
3	C	84° 6' 46.81" E	24° 2' 24.13" N
4	D	84° 6' 47.08" E	24° 2' 28.11" N

The Salient Features of the total Medical collage with Hospital component is as follows:

S. No	Block No.	Particulars	Total (m ²)
1.	-	Total plot area	98621.85 (24.4 acre)
2.	-	Permissible Ground Coverage (@50% of Total Plot area)	49310.92
3.	-	Total Proposed Ground Coverage (@17.75% of Total plot area)	17510.0
4.	-	Proposed Ground Coverage for Hospital Building (@9.528% of Total plot area)	9297.0
5.	-	Permissible FAR @2.5	246554.6
6.	-	Proposed FAR @1.428	140881.0
7.	G+6	Proposed FAR for Hospital Building @0.5922	58408
8.	G+1	Proposed 500 Capacity auditorium	2516
9.	S+8	Proposed Type 3 Residence	7676
10.	S+5	Proposed Resident Doctors Hostel	4694
11.	G+5	Proposed Intern's Hostel (Male)	2421
12.	G+5	Proposed Intern's Hostel (Female)	2421
13.	G+1	Proposed Type 6 (Dean Residence)	473
14.	G+1	Proposed Type 6 (MS Residence)	473
15.	G+6	Proposed Nurse Hostel	4790
16.	G+3	Proposed Guest Hostel	1768
17.	G+1	Proposed Student Recreational Block	650
18.	G+1	Proposed ESS	1773
19.	G	Proposed Guard room	14.4

20.	-	Proposed STP &ETP	383
21.	G	Bio Waste	250
22.	G+4	Existing Medical College	24794
23.	G+8	Existing Girls Hostel	8935.0
24.	G+8	Existing Boys Hostel	8935.0
25.	S+8	Existing Type – 4 (Block 1)	4952.0
26.	S+7	Existing Type – 4 (Block 2)	4952.0
27.	-	Proposed Stilt Parking area for Hospital	2268
28.	-	Total Built Up Area (BUA) for Hospital (7+18+19+20+21+27)	63096.40
29.	-	Open Area (Total Plot Area – Ground Coverage)	72096.0
30.	-	Proposed Landscape Area (22.08 % of Open Area)	15290.0
31.		Height of the Hospital Building (m) (G+6)	34.0

DETAILS OF THE HOSPITAL COMPONENT:

S. No.	Description	Particulars	Unit
GENERAL			
1.	Total Plot Area	98621.85	SQM
2.	Ground Coverage of Hospital	9297.0	SQM
3.	Proposed Built Up Area of Hospital component	63096.40	SQM
4.	Building Blocks	Hospital Building, ESS & UGT, Guard room, STP & ETP.	
5.	Max Height of Building up to terrace level	34	M
6.	Max No of Floors for hospital building only	G+6	NOS
WATER REQUIREMENT FOR HOSPITAL COMPONENT			
7.	Total fresh water requirement	195	KLD
8.	Total sewerage generation	241	KLD
9.	Proposed ETP Capacity	50	KLD
10.	Proposed STP Capacity (SBR Type)	300	KLD
PARKING FOR HOSPITAL COMPONENT			
11.	Required Parking for Hospital Building as per Jharkhand Bye Laws	34	ECS
12.	Total Proposed parking	136	ECS
GREEN AREA FOR TOTAL PROJECT SITE			
13.	Proposed Green Area 15.50 % of total plot area	15290.0	SQM
WASTE GENERATION FOR HOSPITAL COMPONENT			
14.	Total Solid waste generated	940.76	Kg/day

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15.	Biomedical Waste	25 % of Total Waste=235.25	Kg/day
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POWER FOR HOSPITAL COMPONENT

16.	Total Power Requirement	2921.8	KW
17.	DG set backup	1500*2=3000	KVA

RAIN WATER HARVESTING FOR HOSPITAL COMPONENT

18.	Rain water Harvesting Pits (in total plot area)	21	NOS
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POPULATION DETAILS FOR HOSPITAL COMPONENT

S. No.	Particulars	No. of beds	PPU/no. of person/m ²	Total Population
1.	Patients	500	1- person per 1 bed	500
2.	Attendant	500	1-person per 1bed	500
3.	Out Patient Department (OPD)			2000
4.	Staff (Doctor+ Nurse + Helper)			500
5.	Visitors (20% of Hospital Population i.e. 500)			100
Total Population				3600

DAILY WATER DEMAND FOR HOSPITAL COMPONENT:

S. No	Description	Area (sq. mtr)	No. of Beds / Occupancy	Rate of water demand for domestic (@lpcd)	Water Requirement for Domestic (KLD)	Rate of water demand for Flushing (@lpcd)	Water Requirement for Flushing (KLD)	Total Water Requirement Domestic + Flushing (KLD)
A. Hospital Building								
1	Patients + Attendant +Staff + visitors		500	300	150	150	75	225
2	Out Patient Department (OPD)		2000	10	20	5	10	30
3	Laundry + Kitchen		500	50	25	0	0	25
Total Domestic Water Requirement								280.0
B.	Horticulture	19403.330	3 liter for 1 sq. mtr					58.2 say 58
C.	DG Set	3000 KVA (2*1500)	0.9*KVA* 8 Hours					21.6

		KVA)		
D.	HVAC	430 (TR)	10*Capacity* 12 hours	51.6
Total Water Requirement				411.2
				Say 411 KLD

Waste Water Management:

- The STP proposed for the total project is of 550 KLD of SBR technology (developed module wise).
- The ETP proposed for treatment for the effluents will be of capacity 50 KLD.
- The requirement of STP capacity for the Hospital component only is 300 KLD out of 550 KLD.
- The wastewater estimated for the hospital component is 241 KLD which will be treated in STP.
- There will be a provision of separate and dedicated lines of plumbing from OT, Labs and other photogenic sources that are high in COD, which will be diverted to ETP of capacity 50 KLD designed to meet the discharge standards of landscaping and horticulture.

Brief description of Effluent Treatment Plant (ETP) for proposed Hospital (50 KLD) :

Effluent Treatment Plant: The effluent from different laboratories, OT and hospital will be treated in ETP having following units:

Primary unit

The primary unit consists of screening and equalization tank. The raw hospital/lab. effluent will pass through the bar screen chamber. The Bar Screen has narrow slits that capture the material and further the effluent pass into the equalization tank where prechlorination and aeration will be done.

Secondary treatment

In secondary treatment i.e. Physico-chemical treatment the effluent from equalisation tank will come into the Reaction tank where Fenton's reagent will be mixed at low pH which work as a high oxidizing chemical and oxidize all the possible bacteria and virus and infectious units. Deep oxidation of bacteria will take place for 10-15 min, after that Neutralization process will be carried out and followed by Polymer dosing for better flocculation and coagulation.

Tube settler-The effluent will be settled in the tube settler and sludge will be settled down here and supernatant will be collected from the top to intermediate storage tank

Disinfection unit- The oxylite dosing will be carried out in the intermediate storage tank to disinfect. Rare possible bacteria after deep oxidation in the reaction tank. The process does not generate any carcinogenic chloro-organic compounds.

Tertiary treatment-

MGF-Multi grade filter will remove the possible particle in the treated effluent which pass through UV system before using for horticulture purpose or public sewerage system (Treated effluent 50 KLD max.).

Sludge-The ETP sludge will be handled in the Filter press and dispose off as per the provision of Hazardous Solid waste management rules.

Solid Waste Management:

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S. No.	Category	Kg per capita per day	Waste generated (kg/day)
1	Patient + Attendant	1000 @ 0.5 kg/day	500
2	Staff	500 @ 0.25 kg / day	125
3	Visitor +OPD	2100@ 0.15 kg /day	315
4	Landscape waste (15290.0 m ²)	3.8 @ 0.2 kg/acres	0.76
Total Solid Waste Generated			940.76 kg/day Say 941 kg/day

SOLID WASTE GENERATION (Component Wise breakup of total solid waste generated)

S. No	Waste	Quantity Kg/day	Percentage
1	Biomedical waste	235.25	25
Rest remaining MSW 705.75 kg/day			
2	Bio degradable waste -	352.875	50
3	Non-bio degradable	282.30	40
4	Other inert waste	63.51	9
5	E-waste	7.05	1

MANAGEMENT:

- i. Municipal Solid waste : Organic wastes shall be collected at site marked and disposed off through authorized recyclers
 - ii. Hazardous waste: Waste oil will be disposed off through authorized recyclers.
 - iii. Biomedical waste: Waste will be disposed off through BMW facility.
- Construction Waste: will be used on site as filler material for covering open spaces such as internal roads and pavements remaining construction waste if any will be sent to an approved dumping site.

RAIN WATER HARVESTING FOR THE HOSPITAL COMPONENT :

S.NO.	DESCRIPTION	DETAILS	UNIT
A	Terraces areas - Volume of runoff		
1.	AREA	27890	SQM
		2.789	HECTARE
2.	RAINFALL (One Hour)	25	mm/Hr
3.	COEFFICIENT	0.8	
4.	DISCHARGE AS PER RAINFALL INTENSITY (Q)	557.80	CUM/Hr
B	Paved, Road, Parking, Private terrace areas - Volume of runoff		
1.	AREA	60172.54	SQM
		6.017254	HECTARE
2.	RAINFALL (One Hour)	25	mm/Hr
3.	COEFFICIENT	0.7	
4.	DISCHARGE AS PER RAINFALL	1053.02	CUM/Hr

	INTENSITY (Q)		
C	Landscaped & green areas - volume of runoff		
1.	AREA	15290	SQM
		1.529	HECTARE
2.	RAINFALL (One Hour)	25	mm/Hr
3.	COEFFICIENT	0.2	
4	DISCHARGE AS PER RAINFALL INTENSITY (Q)	76.45	CUM/Hr
D	Total for all areas - volume of runoff & Calculation for RWH		
1.	Total Volume of runoff generated from the proposed campus (A+B+C)	1687.27	m ³
2.	Percolation of Rain Water through harvesting pit 10% of total discharge	168.73	m ³
3.	Balance Volume of rainwater discharge capacity.	1518.54	m ³
4.	Size of the Rain Water Harvesting Pit Structure for 60 minute storage (Dia.of Pit-4.5m & effective depth-4.5m)	15018.54	m ³
5.	Volume of a single circular recharge pit	71.53	m ³
6.	Hence No. of pits required	21	Nos

Energy Saving Measures:

- Use of local building material to reduce pollution & transportation energy.
- All the pumps shall have minimum efficiency as per ECBC norms
- Energy efficient building envelope-use of fly ash bricks/AAC blocks for external walls
- Insulation to roof.
- Programmable switching arrangement for external lighting to prevent wastage of energy.
- Energy efficient lighting fixture LED lamps to be provided in common areas.
- Adequate solar panels will be installed to conserve energy.
- ECBC norms shall be complied.

DFO, Medininagar Division vide letter no. 3366 dated 31.08.19 certified that the minimum distance is 250 m.

Dy. Director, Palamau Tiger Project vide letter no. 2076 dated 23.09.2019 certified that Eco Sensitive Zone is within 10 km from proposed project site and National Park / Bio-Diversity is not within 10 km.

The CO, Sadar, Medininagar vide letter no. 643 dated 05.08.19 has mentioned the plot no. of the project is recorded as "Jungle Sakhu" in the R. S. Khatiyani & Register II.

PP and the consultant presented the project of the hospital to be setup at Palamau, Jharkhand only explained that the institutions & hostels of academic area has been constructed and academic activity is in place. This application for the EC of the hospital & allied activities which is as per the 8(a) category of EIA notification, 2006. SEAC discussed the whole presentation and identified a number of lacunae where in clarification requires to be submitted.

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Following documents/clarifications requires to be submitted –

- (i) The site comprises of the forest land – The PP needs to submit the Forest Clearance application status. As per information, DFO has not received the hard copy of uploaded application form – please explain.
- (ii) In the Form-I the competent PP should signature.
- (iii) Status of Building plan approval.
- (iv) A nalla flows very close to the site. To submit the rainfall. Catchment storm water evacuation system. HFL& other issues related to the site.
- (v) The movement pattern of the patients and corresponding ambulance & other facilities be provided.
- (vi) The traffic density and parking facilities – A detailed study report.
- (vii) The solid & liquid water system is for hospital only. Please provide the same for institution & hostels separately& cumulative effect of the same & management strategies.
- (viii) Air quality in the present case is high for PM₁₀ PM_{2.5} but low for SO₂&NO_x. Please explain the reason & the management strategy on establishment of the hospital.
- (ix) The maps are not shown in proper co-ordinates – submit the corrected maps.
- (x) Key plan showing surrounding area of the proposed development.
- (xi) Co letter & DFO letter – Area of land differs in both for the same area as the same area at the same time should match the other documents application. Please clarify.
- (xii) Provision of infectious & hazardous waste disposal system.
- (xiii) Site section map is showing finish terrace level with the respect to natural ground level.
- (xiv) All area statement of land, road, other infrastructures etc, related to the Buildings for which EC has been sought, to be plotted on a drawing and the proposal be corrected to mention the related figures/features.
- (xv) All buildings & infrastructures for the project for which EC has been sought shall be superimposed on the contour plan (showing the finished terrace level) in A- 0 size & a few section (up to 1st Floor level of Buildings only) showing road, boundary wall, buildings, rain water pits, underground structures/foundation, gate etc. & Cut & fill section shall be provided.
- (xvi) Xerox copy of drawing submitted by PP to municipal corporation for approval to be provided to verify the details of plot area and built up areas etc of buildings for which EC has been sought.
- (xvii) All Water bodies/dams/embankments & other existing physical features, barriers to drainage like highways & roads available within 500 km all around the project with levels, contour & details to be provided.
- (xviii) A natural stream/nallah or spillway of Dam is understood to be flowing at about 500 m in NE direction. During monsoon, the submergence of ground beyond nallah / stream width due to flash flood taking place due to catchment area and wide variation of grounds levels (as could be seen from the contour plan) might take place. High flood levels of the natural stream/maximum water level in the stream or spillway to provided and substantiated with documentary proof of WRD, Govt. of Jharkhand / other recognised body to appraise the project area.
- (xix) Layout of Bore holes plotted on a drawing having co-ordinate system indicating the existing RL of BHs, their co-ordinates superimposed on Contour plan to be provided

to verify the geotechnical report. Highest water table as observed in Bore Holes to be provided.

- (xx) All drawings must bear proper coordinate system.
- (xxi) Road widths in respect of various functional requirements of Hospital OPDs, movement of vehicles, for parking etc. are not adequate.
- (xxii) Setbacks proposed for buildings are not adequate. Latest revision of Municipal byelaws in this regard to provided & revisions in the drawing as required as per the byelaws to be made.
- (xxiii) Quantification of Earth work & specific plan of disposal of excess excavated earth / procurement of borrowed earth as the case may be, indicating borrow area to be provided.
- (xxiv) Ground floor plan with disposition of various rooms / facilities to be provided.
- (xxv) For Rain Water harvesting pits – 60 minutes storage shall be considered.

SEAC's Observation and conclusion

The document showing inclusion of the project in approved master plan of the local authority is missing.

After examining all plans and documents of the proposed Govt. Hospital building complex including its infrastructures, facilities, existing site features, already constructed medical college adjoining the project site, it is concluded that the site visit to the project site is a must to verify the status of the project.

Gurusuti River shown in location plan (PLAN – 1000) revision -1 is located in north & eastern part in close vicinity of the site. HFL and co-ordinates with respect to location are missing due to which effect of area submergence occurring during high floods whether affecting the proposed site can not be ascertained.

Distance of the project site from existing water reservoir yet to be furnished.

Reply of the PP to SEACs observations & supporting drawings submitted can be better appraised after site visit.

At this stage, the proposal cannot be recommended for grant of EC.

3. Stone Deposit of Telo for M/s Kirty Enterprises at Vill : Telo, P.O. : Telo, P.S. : Chandrapura, Dist. : Bokaro (1.014 Ha).

(Proposal No. : SIA/JH/MIN/43360/2019)

This is a Stone Mining Project with an area of 1.014Ha [Khata no. 81, 50, 149, 159 & Plot no. 1316, 1317, 1322, 1324(P), 1319, 1320,1321]. The latitude and longitude of the project site is 23°48'58.7"N To 23°49'01.2"N and 86°06'31.4"E To 86°06'31.2"E. The nearest railway station is Telo at a distance of 2.58 km and nearest airport is Ranchi at a distance of 100 km. Total water requirement is 6 KLD (Dust Suppression : 3 KLD, Afforestation / Green belt : 2 KLD, Drinking / Domestic : 1 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Telo tube well. As soon as mine void is formed, water for green belt and dust suppression will be met from water

accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve : 1,98.072 tonne

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

1st Year : 19,899 tonne
2nd Year : 19,867 tonne
3rd Year : 19,796 tonne
4th Year : 19,780 tonne
5th Year : 19,829 tonne

The daily production as per Form-I is 66.33 tonne.

The indicated project cost is Rs 20 Lakh. a provision of Rs 2.3 Lakh has been indicated for Environment management and CSR is Rs. 2.0 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1816 dated 03.09.19 certified that National Park, Bio-Diversity & Sanctuary is not within 10 km from proposed site and proposed project is not situated in any ESZ.

The DFO, Bokaro Division vide letter no. 86 dated 09.01.18 certified that the distance of notified forest is more 3000 m from proposed project site.

The CO, Bokaro vide letter no. 697 dated 05.09.2019 has mentioned the plot no.- of the project is not recorded as "Jangle Jhari" in R.S Khatiyan & Register II.

DMO, Bokaro vide letter no. 2632, dated 16.09.19 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 Bokaro 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 Stone Deposit of Telo for M/s Kirty Enterprises at Vill : Telo, P.O. : Telo, P.S. : Chandrapura, Dist. : Bokaro (1.014 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

4. Sadhwadih Stone Mine of Sri Ashok Kumar & Partner Sri Rajat Kapoor at Vill : Sadhwadih, P.S. : Manika, Dist : Latehar (2.79 Ha).

(Proposal No. : SIA/JH/MIN/42650/2019)

This is a Stone Mining Project with an area of 2.79 Ha Khata no.17 & 39, Plot no. 1215 & 1239. The latitude and longitude of the project site is 23°53'11.4"N To 23°53'11.0"N and 84°21'05.4"E To 84°21'07.3 E. The nearest railway station is Bendi at a distance of 35 km and nearest airport is Ranchi at a distance of 120 km. Total water requirement is 6 KLD (Dust Suppression : 3 KLD, Afforestation / Green belt : 2 KLD, Drinking / Domestic : 1 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Sadhwadih tube well. As soon as mine void is formed water for green belt and

dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	12,96,792 tonne
Probable Mineable Reserve	:	20,580 tonne

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

1 st Year	:	1,29,500 tonne
2 nd Year	:	1,29,948 tonne
3 rd Year	:	1,29,184 tonne
4 th Year	:	1,29,704 tonne
5 th Year	:	1,29,730 tonne

The daily production as per Form-I is 432 tonne.

The indicated project cost is Rs 42.70 Lakh, a provision of Rs 4.2 Lakh has been indicated for Environment management and CSR is Rs. 2.13 Lakh.

Dy. Director, Palamau Tiger Project, North Division vide letter no. 2018 dated 04.09.19 certified that National Park, Bio-Diversity & Sanctuary is not within 10 km from proposed site and proposed project is not situated in any ESZ.

The DFO, Latehar Division vide letter no. 1315 dated 29.07.19 certified that the distance of notified forest is more 346 m from proposed project site.

The CO, Manika vide letter no. 211, dated 25.05.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyan & Register II.

DMO, Latehar vide memo no. 133, dated 14.03.19 certified that altogether total mining in the area is less than 5 ha in the radius of 500 m.

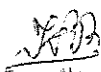
The project site is not mentioned in District Survey Report (DSR) of Latehar District.

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 **Sadhwadih Stone Mine of Sri Ashok Kumar & Partner Sri Rajat Kapoor at Vill : Sadhwadih, P.S. : Manika, Dist : Latehar (2.79 Ha) be conditionally** (project site not mentioned in DSR) recommended for grant of EC, subject to submission of DSR from competent authority directly to SEIAA. The various conditions for grant of EC is enclosed as **Annexure - II**.

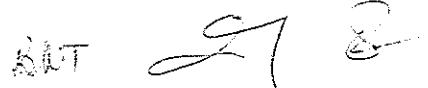
5. **Housing Complex, Construction (including structural design) of 2020 Dwelling units in 101 number of G+3 blocks at Kasidih, Adityapur under Pradhan Mantri Awas Yojana (urban) [Package B] of Adityapur Municipality Corporation at Plot No. : 324, 326, 334,352, 358 & 354, Khata No. : 89, Village : Kashidih, Tehsil : Gamharia, District : Saraikella Kharswan**

(Proposal no. : SIA/JH/MIS/114543/2019)

Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1.50.000sq m and development area is less than 50 ha. The latitude and longitude of the project site is 22°47'25.06"N to 22°47'39.41"N and 86° 6'44.79"E to 86° 6'51.48"E.


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Salient Features of the project

Total Land Area (as per physical measurement)	64579.74 sqm (15.96 Acres).
Total Built Up Area	73279 sqm
Ground Coverage (Above Basement)	18319.75 sqm (28.36%)
Total Green Area	26002.12 sqm (40.26%)
Total Paved Area	16080.04 sqm (24.90%)
Service Area	4177.83 sqm (6.47%)
No. of Block & Story	2020 Dwelling units in 101 number of G+3 blocks Storied.
No. of Dwelling units	2020 nos.
Source of Water	Adityapur Municipal Corporation
Total Quantum of Water required	1372 KLD
Quantity of Wastewater Generation	997 KLD
Quantity of treated wastewater Discharge	997 KLD
Quantum of Fresh Water required	1372 KLD
Quantity of Solid Waste Generation	4566 kg/day
Constructional Phase Water Demand	50 KLD (Construction work – 8 KLD, Workers – 42 KLD)
Total Population During Construction	595 persons
Total Population During Operation	8888 persons (permanent - 8080, temporary- 808)
Electricity Load	7635 KVA (6108 KW)
Electricity Supplied By	Jharkhand Bijili Vitran Nigam Ltd (JBVNL)
Car Parking provided	404 nos.(Four wheelers), 1616 nos. (Two Wheelers)
No. of trees provided	910 Nos.
Proposed Maximum Height of the Building	Max 12 m

Sewage Treatment and Reuse:

The wastewater generated from this project will be 997 KLD. This wastewater will be diverted to septic tank followed by soak pit will finally be discharged into the Adityapur Municipal Corporation combined sewer line.

Solid Waste Management

The garbage (solid waste) within the project site will be biodegradable, recyclables and inert material in nature. The total quantity of solid waste generated during operational phase will be 4566 kg/day. The solid waste will be segregated at source and collected in separate bins. The solid waste will be

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collected through containerized system and finally it will be transported, treated and disposed off by Adityapur Municipal Corporation as per MSW (M&H) Rules, 2016.

The DFO, Saraikela Division vide letter no. 1855, dated 13.08.19 certified that the distance of notified forest is more 0 (Zero) m from proposed project site.

The CO, Gamharia vide letter no. 1131, dated 29.08.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

SEAC's Observation on Proposal

Project site Contour indicates ground level variation upto 8 m(94m to 102 m)

But site is now flat, developed, no requirement of fill material, Cutting & filling required only for foundation as per Clause 2.1, 1.8 of Form I & 1.6 of Form IA.

Violation of E(P) Act already caused by completing preparation of ground at project site without obtaining prior

Plot plan map outline of 6 numbers of identified plots shown in Executive Officer, MC, Adityapur and outline of plot plan in proposal is not matching.

Constricted part of the plot, connecting North and South could be a bottleneck because of only 4.5 metre width of connecting road in between for a colony's population of 8800. Entire width of constricted part to be made free from any obstructions by reorienting proposed Community centre to result in unobstructed availability of space for free passage of people.

Existing pond in close proximity of site in the North Eastern part. Information of water body like dimensions, level, barricaded or unbarricaded etc to be provided.

PP to provide related documents as below:

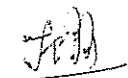
- I. Applicant : AMC, Adityapur
- II. Name of Executive Agency: M/S EPI India Limited
- III. Client: M/S JUIDCO Limited
- IV. Architect and consultant: Skematic Consultants, Kolkata

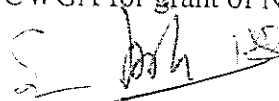
Contractual relationship between Government of Jharkhand, AMC, M/S JUIDCO Limited, M/S EPI Limited, and Skematic Consultants to be provided & letter of PP appointing M/S EPI, M/S JUIDCO Limited, and M/S Skematic Consultants in various roles to be provided.

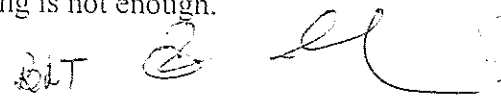
Anchal Adhikari, Gamharia's letter no. 1131 dated 29/08/2019 addressed to M/S EPI Limited, Kolkata, refers to letter no. 780/012 dated 24/07/2019. Neither this referred letter is enclosed nor its content are known to establish that the NOC was for the 6 number of residential plots for which application has been made. Signature of CO is not visible clearly.

Letter of DFO, Saraikela mentions the name of applicant as Kumar Jivesh, Government. No other identity is mentioned.

NOC from CGWA not provided nor the acknowledgment from CGWA submitted. Municipal Commissioner AMC has instead submitted an undertaking mentioning that they have applied to CWGA for grant of NOC. Undertaking is not enough.


5/11/19





Location and various levels of septic tanks and soak pits to be provided in drawing in view of large variation of ground level & proximity of an existing water body to the site.

In clause 5.5 of Form 1, it is mentioned that sewage (construction phase) will be stored in a septic tank and finally discharged to Adityapur Municipal Drain. Needs clarification.

Geotechnical report with recommendation of foundation type with bore log, location and RL of bore holes, and layout drawing of bore holes to be provided. Piling is also proposed for foundation will reduce the earthwork in excavation quantity

The Housing Complex General Arrangement drawing indicating all the units, infrastructures like roads, storm-water drains, sewer line, rain water harvesting pits, underground sumps, boundary wall/fencing, gate complexes, superimposed on the contour plan in A0 size to be provided with a proper coordinate system. The Building plan and sections showing buildings upto First floor only, to be provided showing various levels like FINISHED TERRACE LEVEL ETC in a separate A1 size drawing.

Self-generated memo dated 22/07/2019 from AMC, Adityapur mentioning the holding number (griha sankhya - 0090000667000K1 ward 9) has been submitted, relevance of which is to be clarified. Relevance of Failed List Report wherein the **district name wrongly mentioned as East Singhbhum**, authority's name as AMC and owner's name as JUIDCO Limited is not understood.

"Individual AC will be used in each flat. Uses of air-conditioner will be CFC and HCFC free." – To be clarified (clause no. 9.7 of Form 1A)

Supporting document for calculating Colony's population @ 4 persons per DUs to be submitted.

The computational detail of 18320 cum of earth work in excavation to be provided.

Details of use of Flyash brick/Concrete blocks upto 20% of total BRICKWORK quantity to be furnished.

Retention time of 60 minutes shall be considered in design of RWH system.

PP and the consultant presented the project and replied to the queries raised therein. During the meeting it has been observed that the project boundary is adjoining the forest.

PP agreed to submit a realignment of the building plan so that a buffer zone of 10 m green area is created all along the boundary of the project.

The PP has submitted the required documents at the fagend of the meeting which could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

Srirampur Stone Deposit of M/s Mandhan Minerals Corporation (Prop : Sri Anil Tanwani) at Vill.: Srirampur, P.S. : Malpahari, Dist.: Pakur (1.48 Ha).

(Proposal No. : SIA/JH/MIN/44851/2019)

This is a Stone Mining Project with an area of 1.48Ha. J.B. no.: 02. Plot no. : 689, 690 (P), 691, 692 & 695 (P). The latitude and longitude of the project site is 24°35'19.75"N To 24°35'25.96"N and 87°49'07.42"E To 87°49'13.15"E. The nearest railway station is

Nagarnabi at a distance of 4.97 km and nearest airport is Kolkata at a distance of 225 km. Total water requirement is about 8.5 KLD. Source of water is nearby villages (Dug Wells).

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	3,76,218 tonne
Probable Mineable Reserve	:	51,390 tonne

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

1 st Year	:	42,763 tonne
2 nd Year	:	42,768 tonne
3 rd Year	:	42,719 tonne
4 th Year	:	42,768 tonne
5 th Year	:	42,786 tonne

The daily production as per Form-I is 143 tonne.

The indicated project cost is Rs 70 Lakh and a provision of Rs 4.12 Lakh has been indicated for Environment management.

DFO, Wildlife Hazaribagh vide letter no. 1426 dated 25.07.19 certified that the Udhwa Lake Bird Sanctuary is 41300 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

The DFO, Pakur Division vide letter no. 945 dated 09.08.19 certified that the distance of notified forest is more 1000 m from proposed project site.

The CO, Pakur vide letter no. 1247 dated 10.08.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyan & Register II.

DMO, Pakur vide memo no. 1508 dated 06.09.19 certified that altogether total mining in the area is less than 5 ha in the radius of 500 m.

The project site is not mentioned in District Survey Report (DSR) of Pakur 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 **Srirampur Stone Deposit of M/s Mandhan Minerals Corporation (Prop : Sri Anil Tanwani) at Vill.: Srirampur, P.S. : Malpahari, Dist.: Pakur (1.48 Ha) be recommended for grant of EC.** The various conditions for grant of EC is enclosed as **Annexure - II.**

6. Brick Soil Mining for M/s Puja Bricks (Prop : Sri Uma Shankar Sahu) at Vill. : Dimba, P.S. : Lapung, Dist. : Ranchi (0.404 Ha).

(Proposal No. : SIA/JH/MIN/44521/2019)

This is a Brick Earth Mining with an area of 0.404 Ha [Khata no. 76, Plot no. 973 (P)]. The latitude and longitude of the project site is N23°11'01.30" to N23°11'03.85" and E84°56'22.66" to E84°56'25.44". The nearest railway station is Narkopi at a distance of 21.66 km and the nearest airport is Ranchi at a distance of 41.88 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 720 cum of top soil will be generated during the 5 years plan period @ 144 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of 1200 cum / year has been envisaged for the brick earth

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which will be sufficient for manufacturing 6,00,000 bricks every year. Thus, a total of about 6000 cum quantity of brick earth will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3750 sq.m or 0.93 acres in the five year plan period.

Proved Mineral Reserve : 6165 cum

Year-wise Production of brick earth as per Approved Mining Plan Report for five years is as follows:-

Year	Quantity of brick earth (m ³)	Nos of Bricks Proposed
1 st Year	1200	600000
2 nd Year	1200	600000
3 rd Year	1200	600000
4 th Year	1200	600000
5 th Year	1200	600000
Total	6000	3000000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 0.98 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 1062, dated 24.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 2353, dated 18.07.2018 certified that the distance of notified forest is 442 m from proposed project site.

DMO, Ranchi vide memo no. 1122, dated, 30.11.2018 certified that no other lease is exists within 500 m radius from proposed project site.

The CO, Lapung vide letter no. 389, dated -15.10.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyana & Register -II.

The project site is not mentioned in District Survey Report (DSR) of Ranchi 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} ~~for Burka Brick Clay Deposit of M/s Bedal Bricks at Vill :- Burka, Thana :- Bhandra, Dist :- Lohardaga (0.996 Ha)]~~ be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I.

Day 3 : November 06, 2019 [Wednesday]

Consideration of Proposals

1. Chhota Singhpur Stone Mine of M/s Magistic Stone Works (Prop. : Shri Vikash Kumar) at Vill. : Chhota Singhpur , P.S. : Pakuria, Dist. : Pakur (2.82 Ha).

(Proposal No. : SIA/JH/MIN/44548/2019)

This is a Stone Mining Project with an area of 2.82 Ha [Plot No. - 06, 08, 09, 13, 14, 15, 16, 17, 18, 29, 30, 31, 32, 33, 34, 35, 37(P), 38, 39, 40, 41, 42. The latitude and longitude of the project site is 24°15'51.18"N To 24°15'57.74"N and 87°39'10.20"E To 87°39'21.26"E. The nearest railway station is Pinargaria Railway Station 6.24 Km and nearest airport is Birsa Munda Aiport,Ranchi, 260 km SW. Total water requirement is 6.22 KLD (Dust Suppression

: 3.77 KLD. Afforestation / Green belt : 1.01 KLD. Drinking / Domestic : 1.44 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 5,65,208 Tonne

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

1 st Year	:	1,11,088.8 tonne
2 nd Year	:	1,11,088.8 tonne
3 rd Year	:	1,12,730.4 tonne
4 th Year	:	1,12,878.9 tonne
5 th Year	:	1,12,806 tonne

The daily production as per Form-I is 376 TPD.

The indicated project cost is Rs 31 Lakh, a provision of Rs. 6.95 Lakh has been indicated for Environment management and CER is Rs. 2.09 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1393, dated 20.07.19 certified that the Udhwa Lake Bird Sanctuary is 79570 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

The DFO, Pakur Division vide letter no. 582, dated 24.05.19 certified that the distance of notified forest is 250 m from proposed project site.

The CO, Pakuria (Pakur) vide letter no. 644/R, dated 24.08.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Pakur vide memo no. 567, dated 31.03.19 certified that no other lease exists within 500 m radius from proposed project site.

The project site is mentioned in District Survey Report (DSR) of Pakur 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 **Chhota Singhpur Stone Mine of M/s Magistic Stone Works (Prop. : Shri Vikash Kumar) at Vill. : Chhota Singhpur, P.S. : Pakuria, Dist. : Pakur (2.82 Ha)** be recommended for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II.**

Special Condition:

1. Peripheral plantation from beginning of the new.
2. Left over area of mine site be shade.
3. Fencing be done all along the periphery.
2. **Paharpur Stone Mine of Md. Abdus Salam Ansari at Vill – Paharpur, P.S. – Shikaripara, Dist – Dumka (1.39 Ha).**

(Proposal No. : SIA/JH/MIN/44554/2019)

This is a Stone Mining Project with an area of 1.39 Ha [Khata no. 19, 24, Plot No. – 1174, 1175, 1176, 1184, 1185 & 1187]. The latitude and longitude of the project site is 24°11'20.91"N To 24°11'14.30"N and 87°35'02.29"E To 87°34'58.15"E. The nearest

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railway station is Pinargaria Railway Station 6.42 Km NE and nearest airport is Birsa Munda Aiport.Ranchi. 250 km SW. Total water requirement is 5.25 KLD (Dust Suppression : 3.51 KLD. Afforestation / Green belt : 0.57 KLD. Drinking / Domestic : 1.17 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Haripur tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 4,64.721 Tonne

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

1 st Year	:	76,480.2 tonne
2 nd Year	:	51,985.8 tonne
3 rd Year	:	1,41,150.6 tonne
4 th Year	:	1,05,381 tonne
5 th Year	:	74,277 tonne

The daily production as per Form-I is 470.50 TPD.

The indicated project cost is Rs 30 Lakh, a provision of Rs 6.49 Lakh has been indicated for Environment management and CER is Rs. 2.61 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2101, dated 30.09.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Dumka Division vide letter no. 2768, dated 10.08.19 certified that the distance of notified forest is 1420 m from proposed project site.

The CO, Shikaripara vide letter no. 867/R, dated 12.09.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Dumka vide memo no. 1179, dated 30.09.19 certified that altogether total mining in the area is 9.11 Acre (3.69 Ha) in the radius of 500 m.

The project site 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 **Paharpur Stone Mine of Md. Abdus Salam Ansari at Vill – Paharpur, P.S. – Shikaripara, Dist – Dumka (1.39 Ha)** be recommended for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II.**

Special Condition:

1. Fencing all along the periphery.
2. Plantation all along the periphery from the beigning.
3. **Amalgachi Stone Mine of M/s MaaDurga Stone Works (Prop: Sri Soumitra Ghosh) at Vill. : Amlagachi, Thana : Maheshpur, Dist. : Pakur (2.87 Ha).**

(Proposal No. : SIA/JH/MIN/44589/2019)

This is a Stone Mining Project with an area of 2.87 Ha [Plot No. -476, 477, 478]. The latitude and longitude of the project site is 24°33'20.69" N To 24°33'17.34" N and 87°43'22.77" E To 87°43'23.23" E. The nearest railway station is Nagar Nabi Railway Station 14.75 Km SE and nearest airport is Birsa Munda Airport, Ranchi, 280 km SW. Total water requirement is 4.94 KLD (Dust Suppression : 3.58 KLD, Afforestation / Green belt : 0.33 KLD, Drinking / Domestic : 1.13 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 19.97.254 Tonne

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

1 st Year	:	1,25,846 tonne
2 nd Year	:	1,26,028 tonne
3 rd Year	:	1,26,190 tonne
4 th Year	:	1,26,067 tonne
5 th Year	:	1,26,185 tonne
Total		630316 tonne

The daily production as per Form-I is 420.633 TPD.

The indicated project cost is Rs 30.50 Lakh, a provision of Rs 5.07 Lakh has been indicated for Environment management and CER is Rs. 2.33 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1435, dated 25.07.19 certified that the Udhwa Lake Bird Sanctuary is 45850 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

The DFO, Pakur Division vide letter no. 835, dated 24.07.19 certified that the distance of notified forest is 500 m from proposed project site.

The CO, Maheshpur vide letter no. 511, dated 17.07.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyon & Register II.

DMO, Pakur vide memo no. 1554, dated 16.09.19 certified that no other lease is exists within 500 m radius from proposed project site.

The project site is mentioned in District Survey Report (DSR) of Pakur 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 Amalgachi Stone Mine of M/s MaaDurga Stone Works (Prop: Sri Soumitra Ghosh) at Vill. : Amlagachi, Thana : Maheshpur, Dist. : Pakur (2.87 Ha) be recommended for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II**.

Special Condition:

1. Fencing
2. Plantation all along the periphery
3. area be planted & should not be left


3/11/19

4. **Hathigarh Stone Mine of Md. Tipu Ansari at Vill. : Hathigarh, P.S. : Litipara, Dist : Pakur (3.48 Ha).**

(Proposal No. : SIA/JH/MIN/44746/2019)

This is a new Stone Mining Project with an area of 3.48 Ha [Khata no. : 56, 57, 99, Plot No. : 959, 945, 946, 956, 955(P), 957, 958]. The latitude and longitude of the project site is 24°43'42.20"N To 24°43'51.81"N and 87°42'49.76"E To 87°42'57.15"E. The nearest railway station is Pakur Railway Station 17.41 Km SE and nearest airport is Birsa Munda Aiport.Ranchi, 289 km SW. Total water requirement is 5.84 KLD (Dust Suppression : 3.84 KLD, Afforestation / Green belt : 0.47 KLD, Drinking / Domestic : 1.53 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Guakaola tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	18,09,854 Tonne
Probable Mineable Reserve	:	87,999 Tonne

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

1 st Year	:	1,88,561 tonne
2 nd Year	:	1,88,907 tonne
3 rd Year	:	1,89,620 tonne
4 th Year	:	1,89,115 tonne
5 th Year	:	1,90,282 tonne

The daily production as per Form-I is 612.73 TPD.

The indicated project cost is Rs 26.58 Lakh, a provision of Rs 5.45 Lakh has been indicated for Environment management and CER is Rs. 3.34 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2184, dated 12.10.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and, proposed project is not situated in any ESZ.

The DFO, Pakur Division vide letter no. 1366, dated 03.09.16 certified that the distance of notified forest is more than 250 m from proposed project site.

The CO, Littipara vide memo no. 152, dated 18.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Sahibganj vide memo no. 1986, dated 08.06.17 certified that altogether total mining in the area is 4.69 ha in the radius of 500 m.

The project site is mentioned in District Survey Report (DSR) of Pakur 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 Hathigarh Stone Mine of Md. Tipu Ansari at Vill. : Hathigarh, P.S. : Litipara, Dist : Pakur (3.48 Ha) be recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

Special Condition :

1. Fencing all along the periphery.
2. Plantation all along the periphery.

5. Pakaria Stone Deposit of M/s Om Sai Pathar Udyog Vill. : Pakaria, P.O.+P.S. : Mirzachauki, Dist. : Sahebganj (3.64 Ha).

(Proposal No. : SIA/JH/MIN/44679/2019)

This is a new Stone Mining Project with an area of 3.64 Ha [Khata no. 12, 25, 27, Plot No.- 8(P), 9(P), 10, 13(P), 40(P)]. The application is in contiguous area & application for The latitude and longitude of the project site is 25°14'11.37"N to 25°14'21.93"N and 87°31'24.15"E to 87°31'37.45"E. The nearest railway station is Mirzachouki Railway Station 3.40 Km NW and nearest airport is Birsa Munda Airport, Ranchi, 308 km SW. Total water requirement is 6.03 KLD (Dust Suppression : 4.03 KLD, Afforestation / Green belt : 1.01 KLD, Drinking / Domestic : 0.99 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Lahurbera tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	17.59,356 Tonne
Probable Mineable Reserve	:	2.19,764 Tonne

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

1 st Year	:	1,87,426 tonne
2 nd Year	:	1,98,175 tonne
3 rd Year	:	1,94,897 tonne
4 th Year	:	2,15,001 tonne
5 th Year	:	1,86,019 tonne

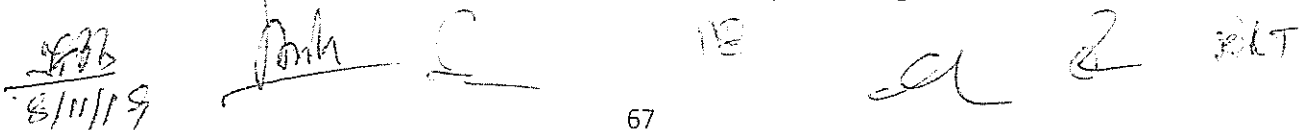
The daily production as per Form-I is 716.67 TPD.

The indicated project cost is Rs 34.54 Lakh, a provision of Rs 5.38 Lakh has been indicated for Environment management and CER is Rs. 3.98 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1546, dated 03.08.19 certified that the Udhwa Lake Bird Sanctuary is 37650 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

The DFO, Sahibganj Division vide memo no. 1857, dated 26.09.17 certified that the distance of notified forest is 440 m from proposed project site.

The CO, Littipara vide memo no. 152, dated 18.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyan & Register II.

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DMO, Sahibganj vide memo no. 1816, dated 27.11.17 certified that altogether total mining in the area is 8.097 ha in the radius of 500 m.

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

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 04-07.11.19, 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 standard TOR for consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in air quality monitoring station be identified in commutation with SPCB Annexure IV.

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.

6. Pakariya Stone Deposit of M/s Shiv Shakti Enterprises at Vill. : Pakariya, Banglow : Sakrogarh, Dist. : Sahibganj (4.74 Ha).

(Proposal No. : SIA/JH/MIN/44637/2019)

This is a Stone Mining Project with an area of 4.74 Ha [Khata no. 13, 01, 25, 32, 16, 32, 45, Plot No. – 254, 255, 256, 258, 259, 260, 261, 262(P)]. The latitude and longitude of the project site is 25°14'35.60"N To 25°14'35.30" N and 87°31'34.50" E TO 87°31'36.10" E. The nearest railway station is Mirza chouki Railway Station 3.33 Km NW and nearest airport is Birsa Munda Aiport, Ranchi, 350 km SW. Total water requirement is 5.06 KLD (Dust Suppression : 2.40 KLD, Afforestation / Green belt : 1.71 KLD, Drinking / Domestic : 0.95 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Sundere tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	35,28,563 Tonne
Probable Mineable Reserve	:	1,04,574 Tonne

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

1 st Year	:	93.787 tonne
2 nd Year	:	93.779 tonne
3 rd Year	:	93.623 tonne
4 th Year	:	94.349 tonne
5 th Year	:	94.630 tonne

The daily production as per Form-I is 312.62 TPD.

The indicated project cost is Rs 38.25 Lakh, a provision of Rs 5.40 Lakh has been indicated for Environment management and CER is Rs. 1.73 Lakh.

The daily production as per Form-I is 753.11 TPD.

The indicated project cost is Rs 31.05 Lakh, a provision of Rs 5.56 Lakh has been indicated for Environment management and CER is Rs. 4.18 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1779, dated 29.08.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Sahibganj Division vide letter no. 1831, dated 22.09.17 certified that the distance of notified forest is 310 m from proposed project site.

The CO, Mandro vide memo no. 852, dated 07.09.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

The project site is mentioned in District Survey Report (DSR) of Sahibganj 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 Rohare Stone Deposit of M/s R.K. Stone Works (Prop: Sri Ritosh Kumar Singh) at Vill. : Rohare, P.O.+P.S. : Mirzachauki, Dist. : Sahebganj (4.05 Ha) be recommended for issue of ToR. Conditions for ToR is enclosed in Annexure III

8. Chuwa Stone Deposit of Shri Suresh Kumar at Vill. : Chuwa, P.S. : Jirwabadi (OP), Dist. : Sahebganj (3.46 Ha).

(Proposal No. : SIA/JII/MIN/44665/2019)

This is a Stone Mining Project with an area of 3.46 Ha [Khata no. 12, 31, 05, 21, 02. Plot No.- 11(p), 12(P), 13(P), 14(P), 37(P), 38(P), 39(P), 40(P)]. The latitude and longitude of the project site is 25°12'45.91" N TO 25°12'56.11" N and 87°34'39.68"E TO 87°34'49.63"E. The nearest railway station is Sahibganj Railway Station 6 Km NE and nearest airport is Birsa Munda Airport, Ranchi, 310 km South. Total water requirement is 6.00 KLD (Dust Suppression : 4.03 KLD, Afforestation / Green belt : 0.84 KLD, Drinking / Domestic : 1.13 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village like Sewria tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve	:	2583884 Tonne
Mineable Reserve	:	2096010 Tonne

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

1 st Year	:	251189 MT
2 nd Year	:	289526 MT
3 rd Year	:	243116 MT
4 th Year	:	243386 MT
5 th Year	:	275597 MT

The daily production as per Form-I is 965.09 max. TPD.

The indicated project cost is Rs 27.09 Lakh, a provision of Rs 5.51 Lakh has been indicated for Environment management and CER is Rs. 5.36 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1672, dated 16.08.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Sahibganj Division vide letter no. 1858, dated 26.09.17 certified that the distance of notified forest is 530 m from proposed project site and no National Park located within 10 km from project site.


The CO, Mandro vide letter no. 624/R, dated 09.07.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyon & Register II.

DMO, Sahibganj vide memo no. 1708, dated 11.11.17 certified that altogether total mining in the area is 3.46 ha in the radius of 500 m.

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

Special Condition

1. Fencing in periphery
2. Plantation is the safety zone from the beigning.
3. Local plantation be planted.

Forwarded to SEIAA recommending for ~~planted~~ issuance of E.C. Condition as Annex II ^{31/11/19} 

9. Pokharia Stone Mine of Shri William Rituraj at Vill – Pokharia, P.O.- Benagaria, P.S. – Shikaripara, Dist – Dumka (2.96 Ha) (SIA/JH/MIN/44757/2019)

This is a Stone Mining Project with an area of 2.96 Ha [Plot No. – 523(P), 526(P), 527(P), 528(P), 529(P), 530(P)]. The latitude and longitude of the project site is 24°12'16.65"N To 24°12'04.72"N and 87°33'33.62"E To 87°33'27.13"E. The nearest railway station is Pinargaria Railway Station 8 Km NE and nearest airport is Birsa Munda Aiport,Ranchi, 250 km SW. Total water requirement is 7.13 KLD (Dust Suppression : 3.57 KLD, Afforestation / Green belt : 1.31 KLD, Drinking / Domestic : 2.25 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 647079.3 Tonne

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

1 st Year	:	111088.8 MT
2 nd Year	:	111088.8MT
3 rd Year	:	112730.4 MT
4 th Year	:	112878.9 MT
5 th Year	:	112806 MT


21/11/19











The daily production as per Form-I is 930.36 max. TPD.

The indicated project cost is Rs 30 Lakh. a provision of Rs. 7.94 Lakh has been indicated for Environment management and CER is Rs. 2.09 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 1640, dated 10.08.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Dumka Division vide letter dated 17.03.17 certified that the distance of notified forest is 1228 m from proposed project site and no National Park located within 10km from project site.

The CO, Shikaripara vide letter dated 16.10.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Dumka vide memo no. 1034, dated 06.06.17 certified that altogether total mining in the area is 8.87 Acre (3.59 Ha) in the radius of 500 m.

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

Project is forwarded with recommendation for grant of E.C with condition - Annex - II

Special Condition

1. Fencing in periphery.
2. Plantation all along the periphery
3. Local sps.

10. Kasila Stone Mine of M/s Bidhan Chandra Trigunait at Vill – Kasila, P.S. – Pakur (OP), Dist – Pakur (0.71 Ha) (SIA/JH/MIN/44871/2019)

This is a Stone Mining Project with an area of 0.71 Ha [Plot No. – 597, 598]. The latitude and longitude of the project site is 24°40'24.80"N To 24°40'26.72"N and 87°48'19.75"E To 87°48'26.57"E. The nearest railway station is Pakur Railway Station 6.33 Km SE and nearest airport is Birsa Munda Aiport, Ranchi, 294 km SW. Total water requirement is 5.05 KLD (Dust Suppression : 3.77 KLD, Afforestation / Green belt : 0.20 KLD, Drinking / Domestic : 1.08 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve: - 575395 Tonne

Mineable Reserve: - 177903 Tonne

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

1 st Year	:	42083 MT
2 nd Year	:	80701 MT
3 rd Year	:	46400 MT

The daily production as per Form-I is 269 max. TPD.

The indicated project cost is Rs 21 Lakh. a provision of Rs 5.12 Lakh has been indicated for Environment management and CER is Rs. 1.49 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2170, dated 10.10.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Pakur Division vide letter no. 2132, dated 31.10.18 certified that the distance of notified forest is 280 m from proposed project site and no National Park located within 10km from project site.

The CO, Pakur vide letter no. 1878/R, dated 24.11.18 has mentioned the plot no. 597, 598 of the project is not recorded as "Jungle Jhari" in R.S Khatiyani & Register II.

DMO, Pakur vide memo no. 2538, dated 14.12.18 certified that altogether total mining in the area is 10.70 Acre (4.33 Ha) in the radius of 500 m.

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

Special Condition : Project is forwarded with recommendation for grant of
1. Local tress sps *Ec - Annex - II (col. Bm)*

11. PoraBasuria Stone Mine of Sri SobhamoyRahut at Vill - PoraBasuria, P.O. - Benagaria, P.S. - Shikaripara, Dist - Dumka (1.17 Ha) (SIA/JH/MIN/44830/2019)

This is a Stone Mining Project with an area of 1.17 Ha [Plot No. - 772]. The latitude and longitude of the project site is 24°11'24.0" N To 24°11'20.1" N and 87° 35'27.0" E To 87° 35'20.6" E. The nearest railway station is Pinargaria Railway Station 9.5 Km SE and nearest airport is Birsa Munda Aiport, Ranchi, 250 km SW. Total water requirement is 4.9 KLD (Dust Suppression : 3.90 KLD, Afforestation / Green belt : 0.37 KLD, Drinking / Domestic : 0.63 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 242154.36 Tonne

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

1 st Year	:	34173.9 MT
2 nd Year	:	25587.9 MT
3 rd Year	:	23044.5 MT
4 th Year	:	39835.8 MT
5 th Year	:	5572.8 MT

The daily production as per Form-I is 132.786 max. TPD.

The indicated project cost is Rs 16.28 Lakh, a provision of Rs 6.15 Lakh has been indicated for Environment management and CER is Rs. 0.63 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2102, dated 30.09.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

[Signature]
21/11/19

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The DFO, Dumka Division vide letter no. 1185, dated 04.04.17 certified that the distance of notified forest is 1020 m from proposed project site and no National Park located within 10km from project site.

The CO, Shikaripara vide letter no. 985/R, dated 14.10.19 has mentioned the plot no. of the project is not recorded as "Jungle Jhari" in R.S Khatiyar & Register II.

DMO, Dumka vide memo no. 773, dated 28.04.17 certified that altogether total mining in the area is 2.90 Acre (1.17 Ha) in the radius of 500 m.

The project site is mentioned in District Survey Report (DSR) of Dumka District.
Project is forwarded with recommendation for grant of EC - Extension - II
Special Condition

1. Fencing all along the periphery.
2. Plantation of local sps in the periphery & safety zone of the area.
3. Blank area be planted.

12. **Common user POL Terminal of Indian Oil Tanking Ltd., Vill- Halnd pukur, Tehsil- Ghatshila, Circle- Potka, District- Singhbhum**

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its meeting held on 04.11.2019 and 07.11.2019.

POL Terminal project of Tata Nagar of Indian Oil tanking Limited (Formerly IOT Infrastructure & Energy Services Ltd) was granted EC vide letter No- EC/SEIAA/2013-14/164/2013/503 dated 24/09/2014. Its EC has valid upto 23/09/2019. They requested for extension of Environmental Clearance for 3 years. There are no construction activities took place as on date.

In the SEAC meeting PP appeared himself and no consultant accompanied presentation realizing this PP requested to submit an application that the date of today's presentation be deferred for next meeting the said letter has been submitted PP has further submitted the Gazette notification SO 1960(E) dt. 13.06.2019 of MoEF&CC on page no. 09(6) item 6 (b) and that the entries relating there to shall be omitted.

SEAC discussed the matter and recommends to drop this proposal in view of above notification.

13. **M/s Chhinmastika Stone Minerals Project of Mr. Dihchand Mehta, Mr. Kailash Yadav & Mr. Prayag Mehto (Partnership), Village/Mouza- Amalkhori, P.S. - Hariharpur (Gomoh) District: Dhanbad, Jharkhand. 1.22 Ha (3.02 acres).**

(Proposal No. : SIA/JH /MIN/44449/2019)

This is a stone Mining Project with an area of 1.22 Ha [Khata No.- 29, 58, 1 & Khasra No. 125, 126, 127, & 128 (Part)]. The latitude and longitude of the project site is 23°54'53.17"N to 23°54'50.80" N and 86°7'42.74" E to 86°7'42.04" E. The nearest railway station is Gomoh Railway Junction is at a distance of 4.58 km in South-East direction and nearest airport is Dhanbad Airport is at a distance of about 35.88 km in South-East direction. Total water requirement is 5.2 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 3,78,270 Tonnes

Year wise Production as per Approved Mining Plan Report

Year	Production of stone (Tonnes)
1 st	29,250
2 nd	29,178
3 rd	29,124
4 th	29,745
5 th	29,097
Total	1,46,394

The daily production is 290.97 tonne.

The indicated project cost is Rs 60 Lakh and a provision of Rs 1.7 Lakh has been indicated for Environment management.

DFO, Wildlife Hazaribagh vide letter no. 1780, dated 29.08.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and, proposed project is not situated in any ESZ.

DFO, Dhanbad vide letter no. 1661, dated 28.08.17 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The CO, Topchanchi vide letter no. 560, dated 09.08.17 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Dhanbad vide memo no. 1404/M, dated 26.09.2019 certified that there is no other mining lease within 500m periphery of proposed mining lease. Total mining in the area is less than 5 ha in the radius of 500 m.

PP presented the details of the site plan, mining calendar plan, benchings environmental issues, budgetary estimates for environmental management & CSR.

SEAC discussed the matter and recommends to SEIAA for issuance of Environmental clearance with the conditions as in Annex. III

14. M/s Sone Baba Stone Minerals Project of Mr. Dihchand Mehta, Mr. Kailash Yadav & Mr. Prayag Mehto (Partnership), Village- Amalkhori, P.S. - Hariharpur (Gomoh) District: Dhanbad, Jharkhand. 1.07 Ha (2.645 acres).

(Proposal No. : SIA/JH /MIN/44408/2019)

This is a stone Mining Project with an area of 1.07 Ha [Khata No. 2 & 5 with Khasra No.- 92 (part) & 96]. The latitude and longitude of the project site is 23°54'55.5" N to 23°54'56.3" N and 86°7'41.3" E to 86°7'38.7" E. The nearest railway station is Gomoh Railway Junction is at a distance of 5.5 km in South-East direction and nearest airport is Dhanbad Airport is at a distance of about 35.0 km in South-East direction. Total water requirement is 6.7 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 47385 cum or 118463 tonnes

Proposed Production as per Approved Mining Plan :-

Year	Production of stone (Tonnes)
1 st	19012.5
2 nd	18562.5
3 rd	19552.5
4 th	19305
5 th	19642.5
Total	96075

The daily production is 91 tonne.

The indicated project cost is Rs 60 Lakh and a provision of Rs 2.4 Lakh has been indicated for Environment management.

DFO, Wildlife Hazaribagh vide letter no. 1781, dated 29.08.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

DFO, Dhanbad vide letter no. 1662, dated 28.08.17 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The CO, Topchanchi vide letter no. 559, dated 09.08.17 has mentioned that the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Dhanbad vide memo no. 1405/M, dated 26.09.2019 certified that there is no other mining lease within 500m periphery of proposed mining lease. Total mining in the area is less than 5 ha in the radius of 500 m.

DMO of LOI letter no. 1183 dated 06.08.19.

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 **Sone Baba Stone Mineral Project** of Mr. Dalchand Mehta, Mr. Kailash Yadav and Mr. Prayag Mehto (Partnership) Village : Amlakhori, P.S. : Hariharpur (Gomoh), District : Dhanbad, Jharkhand 1.07 Ha (2.645 acres) be recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

15. Latu Stone Mine of M/S Jagdhari Prasad at Village-Latu, P.S-Raidih, thana-No-10, Dist-Gumla, Jharkhand. (SIA/JH/MIN/38693/2019)

This is a Stone Mining Project with an area of 2.08 Ha [Khata NO-198.182.144 Plot No. – 3769,2174,2181, 2178, 3770, 2180,]. The latitude and longitude of the project site is 22°58'40.22"N To 22°48'47.93"N and 84°21'33.84"E To 84°21'34.46"E. The nearest railway station is Gumla Railway Station 95 Km South and nearest airport is Birsa Munda Airport, Ranchi, 130km SW. Total water requirement is 12 KLD (Dust Suppression : 3 KLD, Afforestation / Green belt : 05 KLD, Drinking / Domestic : 04 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve = 3071286.18 ton

Mineable Reserve = 875768.970 ton

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

1 st Year	:	44264.25 T
2 nd Year	:	44270.10 T
3 rd Year	:	44119.35 T
4 th Year	:	44118.20 T
5 th Year	:	44235.30 T

The daily production as per Form-I is 147.54 max. TPD.

The indicated project cost is Rs 28.40 Lakh, a provision of Rs 8.90 Lakh has been indicated for Environment management and CER is Rs. 2.15 Lakh

DFO, Wildlife Hazaribagh vide letter no. 656, dated 14.06.2019 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and, proposed project is not situated in any ESZ.

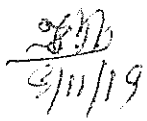
The DFO, Gumla Division vide letter no. 322, dated 31.01.2019 certified that the distance of notified forest is 1500 m from proposed project site and no National Park located within 10km from project site.

The CO, Raidih vide letter no. 72(ii), dated 14.02.2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

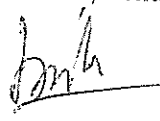
DMO, Gumla vide memo no. 662/M, dated 06.07.2019 certified that altogether total mining in the area is 5.16 Acre (2.08 Ha) in the radius of 500 m.

The project site is mentioned in District Survey Report (DSR) of Giridih 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 Latu Stone Mine of M/S Jagdhari Prasad at Village-Latu, P.S-Raidih, thana-No-10, Dist-Gumla, Jharkhand. (2.08 Ha), be


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recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

16. **Sadhu Bricks of M/S Sadhu Charan Sadhu at Village - Serka, Tehsil - Bishunpur, Dist-Gumla, Jharkhand.**

This project was appraised in the earlier meeting and EC recommendation was referred to non availability of DSR certificate.

The PP has submitted the undertaking that DMO report regarding DSR will be submitted.

Based on the above SEAC recommends for issuance of EC, alongwith the following conditions as in Annex I.

17. **Konbir Bricks Earth Mining of Shree Brindaban Construction at Khata no. 15 Plot no. 1663 (P) at Village - Kobir Tehsil - Basia, Dist-Gumla, Jharkhand.**

EC of this project was issued vide letter no. EC/SEIAA/2018-19/2179/2079/594 dated 26.10.19.

Later on it has been identified that there has been typographical error of the name and amount of production.

Now this is corrected as Shree Brindaban Construction and the production figure is 15.00 lakh Bricks per annum.

SEAC recommends the case to SEIAA for issuance of corrected EC as a corrigendum.

18. **Jyoti Pahari Open Cast Kynait Project of M/s. JSMDC Ltd, Vill. Jyoti Pahari. Tehsil : Ghatshila, Dist. Singhbhum East (20.331 Ha).**

(Proposal no. : SIA/JH/MIN/25091/2018)

SEIAA has returned the proposal with the observation that the PP will submit revised Form I, DFO & CO certificates and SEAC will re-examine the submitted certificates and send the fresh recommendation to SEIAA for grant of ToR.

PP has submitted the above corrected documents and SEAC has appraised accordingly.

SEAC recommends to SEIAA for grant of ToR with violation TOR as per MCEFC S.O. No-14th March, 2017

19. **Shri Bhole Minerals Vill. Chainpur P.S. Belidih, Dist. Bokaro, Jharkhand.**

The issuance of EC was ~~referred~~ ^{recommended} due to non availability of DSR for this project in earlier meeting of SEAC.

PP has submitted a letter dated 05.11.19 that the Bokaro district DSR has been uploaded in NIC portal wherein this project has recommended in DSR.

In view of the above SEAC request SEIAA for issuance of EC alongwith the following conditions Annex II

20. **Hathigarh Stone Mine of M/s. Darshana Stone Works, Vill. Hathigarh, P.O. Littipara Dist. Pakur Jharkhand.**

This project was appraised by SEAC in its 75th meetings held on 24-26 July, 2019.

Earlier this project was not included in the DSR and as such M/s SEAC was advised to get at a clarification regarding this DSR issue.

DC, Pakur vide its letter no. 1896/M dated 26.10.19 has forwarded the upgraded DSB of Pakur District wherein this project has been included.

In view of the above SEAC request SEIAA for a sanction of LO alongwith the following conditions Annex II.

21. **Hathigarh Stone Mine of M/s. Nalisa Stone Works, Vill. Hathigarh, P.O. Laldipara Dist. Pakur Jharkhand.**

This project was appraised by SEAC in its 32nd meeting, held on 21.10.19.

Earlier this project was not included in the DSB and as such M/s. SEAC was advised to get a clarification regarding this DSB issue.

DC, Pakur vide its letter no. 1896/M dated 26.10.19 has forwarded the upgraded DSB of Pakur District wherein this project has been included.

In view of the above SEAC request SEIAA for a sanction of LO alongwith the following conditions Annex II.

22. **Sarachi Greens Project, Tata Nagar, Jharkhand of Sarachi Realty Pvt. Ltd, Vill. Yamulia Dist.- Saraikela-Kharsawan, Jharkhand**

In the SEAC meeting held on 21.10.19, the above proposal was appraised. During the appraisal certain observation were raised.

The PP has replied the observations on 01.11.2019.

The PP has submitted the required documents at the byend of the meeting which could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

23. **Construction (including structural design) of 665 dwelling units by 19 number of G+2 blocks with 35 dwelling units each) at mohampur, Deoghar under Pradhan Mantri Awas Yojna (urban) (package-I).**

In the SEAC meeting held on 24.10.19, the above proposal was appraised. During the appraisal certain observation were raised.

The PP has replied the observations on 01.11.2019.

The PP has submitted the required documents at the byend of the meeting which could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

Day 4 : November 07, 2019 [Thursday]

Any other matter with the permission of the Chair:-

Chairman SEAC opined that this 32nd meeting of SEAC has been the last meeting which from 4th - 7th November, 2019. A number of project proposals of small units like bricks and stone mines were lying to be appraised for want of time. In the interest of infrastructure development, seasonal nature and employment consideration of weaker segment and rural economy on the initiation of the State Government, these projects were permitted by the Chairman to be taken up. Since it was not possible to exclude the brick mining from the list,

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the other proposals received in SEAC after 18th October, 2019 i.e. upto 24th October were taken up for appraisal with all due diligence and careful scrutiny.

Bricks: Excavation of earth considered is a manual activity. Soil is essential land component contributes in agriculture productivity depending upon type of agriculture the fertility, water innutrition requirement, irrigation climate. Conditions and many other climate factors. Value of agriculture land depends upon its yield and other revenue related regulation & norms. Environment impact includes soil erosion, salinity, nutrient deficiency & dust dispersed in air under varying climate conditions. On the other hand, supply side considerations for earth includes following considerations. Soil & Earth excavation comes under minor mineral activity. Mining of Earth is targeted to use mined out product for production of burnt clay & as such earth excavation is considered as a linked project. Traditionally earth mining & burnt clay bricks is a decentralized activity being practiced in a rural areas of country. Although operation of such burnt clay brick production utilizes local skills. Bricks is used for wall envelope of shelter & shelter construction sector. Yet it affects land environment and soil. So efficient use of resources becomes use of issue of prime concerned for optimized decisions. While considering recommendations for soil excavation, it becomes pertinent to examine issues for linked project. Presently, mostly the burnt clay bricks utilizes CBTkilns & as such utilizes huge quantity of local for burning on average ranging from 18-20 MT/ lac bricks.

Utilization of this technology results in production of poor quality of bricks beside poor productivity, low revenue surplus & so little attention for employment security & labor welfare. Migration of labor & loss of revenue under the prevailing situation, thus becomes a viscous circle.

Recent advancement in switch over to 10/ natural zig zag kiln is expected to reduce coal consumption by 6-8 MT/ Lac bricks besides better productivity & higher revenue generation which may lead to better attention for labor security and engagement for labor welfare activities. It is in this background Hon'ble NGT and Supreme Court directed to switch over to go Zig-Zag kiln. Hon'ble CM, Jharkhand now have extended time limit for installation of cleaner brick kilns (10/ natural draft zig- zag kilns) before the last date to obtain CTE from JSPCB. Considering all these proposals, the proposal for sustainable Earth mining has been considered by SEAC in its 82 th meeting. In addition to soil erosion, soil quality is affected by other aspects of agriculture. These impacts include compaction, loss of soil, structure, nutrient degradation & soil salinity & loss of agriculture produce. The effect of soil erosion go beyond the loss of fertile land.

Excavation hazards may include during earth collapse due to shallow pit excavation, falling into excavated pits contact with buried electrical, gas / oil pipe lines, collapse of soiling vicinity of building structure etc and may give rise to injury, shocks, suffocation due to soil heats & electrification in addition to leakage from underground waste.

Excavation of earth considered is a manual activity. Soil as vil fuce, of techs agriculture productivity depending upon type of agriculture the fertility, water nutrition requirement, irrigation and climate Conditions and many other climate factors. Value of agriculture land depends upon its yield and other revenue related regulation & norms. Environment impact includes soil erosion, salinity, nutrient deficiency & dust spread in air under varying climate conditions. On the other hand, supply side considerations for earth includes following

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While considering recommendations for soil excavation, it becomes pertinent to examine issues for linked project. Presently, mostly the burnt clay bricks utilizes FTCBT kilns & as such utilizes huge quantity of local for burning on average ranging from 18-20 MT/ lac bricks. Utilization of this technology results in production of poor quality of bricks beside poor productivity, low revenue surplus & so little attention for employment security & lab our welfare. Migration of labor & loss of revenue under the prevailing situation, thus becomes a viscous circle. Recent advancement in switch over to 10/ natural zig zag kiln is expected to reduce coal consumption by 6-8 MT/ Lac bricks besides better productivity & higher revenue generation which may lead to better attention for labor security and engagement for lob our welfare activities. It is in this background Hon`ble NGT and Supreme Court directed to switch over to go big-Tax kiln. Hon`ble CM, Jharkhand now have extended time limit for installation of cleaner brick kilns (10/ natural draft zig- zag kilns) before the last date to obtain CTE from JSPCB. Considering all these proposals, the proposal for sustainable Earth mining has been considered by SEAC in its 82 Th meeting. In addition to soil erosion, soil quality is affected by other aspects of agriculture. These impacts include compaction, loss of soil, structure, nutrient degradation & soil salinity & loss of agriculture produce. The effect of soil erosion go beyond the loss of fertile land. Excavation hazards may include during earth collapse due to shallow pit excavation, falling into excavated pits contact with buried electrical, gas / oil pipe lines, collapse of soil in vicinity of building structure etc. and may give rise to injury , shocks , suffocation due to soil heats & electrification in addition to leakage from underground waste.

Conditions:-

PP shall maintain first aid facility at mining site.

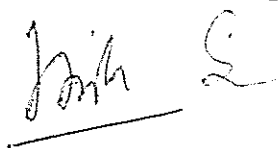
PP shall provide guard rails/ barricade with warning signals.

PP shall provide minimum two entries/ exits & install emergency escape from excavated areas.

Top soil up to 30 cm shall be preserved separately & used further in areas requiring improvement of agriculture productivity.

This EC is recommended subject to fulfillment of condition that PP shall install ID/natural draft Zig-Zag Kiln within the time frame allowed by state as per NGT order and gety CTE from JSPCB.

This is subject all due diligence as per regulatory bodies and Court directives.







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Consideration of Proposals

1. Pokharia Stone Mine Project of M/S K.K.Stone at Mouza- Pokharia , P.O-Benagaria, P.S- Shikaripara, Dist-Dumka Jharkhand (2.98 Ha)

This is a Stone Mining Project with an area of 2.98 Ha [Plot No. –538(P), 539(P), 540(P), 541, 542(P), 543(P), 1186(P), 1189, 1190(P), 1191(P), 1192, 1197(P), 1221, 1222, 1223, 1224(P), 1225(P), 1226, 1227, 1228(P), 1229(P), 1230(P), 1231(P), 1232(P), 1233, 1234, 1235(P)]. The latitude and longitude of the project site is 24°12'6.74"N To 24°11'54.45"N and 87°33'35.32"E To 87°33'38.64"E. The nearest railway station is Pinargaria Railway Station 8.5 Km East and nearest airport is Birsa Munda Airport, Ranchi, 250 km SW. Total water requirement is 5.76 KLD (Dust Suppression : 3.71 KLD, Afforestation / Green belt : 0.97 KLD, Drinking / Domestic : 1.08 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve = 261447 cum

Mineable Reserve = 209157.6 cum

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

1 st Year	:	68704.2 MT
2 nd Year	:	58587.3 MT
3 rd Year	:	198433.8 MT
4 th Year	:	120139.2 MT
5 th Year	:	67861.8 MT

The daily production as per Form-I is 661 max. TPD.

The indicated project cost is Rs33.25Lakh, a provision of Rs6.15 Lakh has been indicated for Environment management and CER is Rs. 3.34 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2196. dated 14.10.19 certified that there is no Wildlife Sanctuary. Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Dumka Division vide letter no. 844, dated 15.03.17 certified that the distance of notified forest is 1020 m from proposed project site and no National Park located within 10km from project site.

The CO, Shikaripara vide letter no. 1004/R, dated 17.10.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Dumka vide memo no. 1430, dated 28.07.17 certified that altogether total mining in the area is 12.03 Acre (4.87Ha) in the radius of 500 m.

The project site 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 Pokharia Stone Mine Project of M/S K.K.Stone at Mouza- Pokharia , P.O-Benagaria, P.S- Shikaripara, Dist-Dumka Jharkhand (2.98 Ha). be recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

2. Tharghat Bricks Clay Mine Project of M/s Prakash Bricks, Village- Tharghat, P.S. – Hariharganj, District: Palamau, Jharkhand 1.008 Ha, (2.49 acres). (Proposal No. : SIA/JH/MIN/44294/2019)

This is a Bick clay Mining Project with an area of 1.008 Ha [Plot No. 348, 350, 352, 353, 354, 355, 356 & 360]. The latitude and longitude of the project site is 24°30'44.60"N to 24°30'52.14"N and 84°15'49.60"E to 84°15'53.33"E. The nearest railway station is Kajrat Navadih Railway Station at a distance of 23.0 km towards NW direction and nearest airport is Daltonganj Airport at a distance of 57.0 km in SW direction. Total water requirement is 5.2 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 7090 cum

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

Year	Quantity of brick earth (m ³)	Nos of Bricks Proposed
1 st Year	1584.00	6,00,000
2 nd Year	1584.00	6,00,000
3 rd Year	1584.00	6,00,000
4 th Year	1584.00	6,00,000
5 th Year	754.00	6,00,000
Total	7090.00	30,00,000

The indicated project cost is Rs 12 Lakh and a provision of Rs 2.0 Lakh has been indicated for Environment management.

DFO, wildlife, Medninar vide letter no. 2105, dated 25.09.2019 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

DFO, Medinagar vide letter no. 4629, dated 06.10.18 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The CO. Hariharganj vide letter no. 352 dated 15.10.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

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DMO, Palamau vide memo no. 1556/M. dated 17.10.19 certified that altogether total mining in the area is less than 5 ha in the radius of 500 m.

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 **Tharghat Bricks Clay Mine Project of M/s Prakash Bricks, Village- Tharghat, P.S. – Hariharganj, District: Palamau, Jharkhand 1.008 Ha, (2.49 acres).** be conditionally (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure – I**

3. **Hathidari Stone Deposit of M/s M/s A.S.R. Stone Works (Partner: Sri Amrendra Kumar Singh), Mouza- Hathidari, Sub-Division: Rajmahal, District- Sahibganj, Jharkhand. (4.45 Ha). (Proposal No. : SIA/JH /MIN/45037/2019)**

This is a Stone Mining Project with an area of 4.45 Ha [Plot No. . 2(P), 3(P), 4, 5, 9(P), 19(P)]. The latitude and longitude of the project site is 25°13'19.20"N to 25°13'25.86"N and Longitude 87°34'45.94"E to 87°34'59.92"E. The nearest railway station is Karamtola Railway station is at approx.4.5 km toward NW direction and nearest airport is Malda Airport is at approx. 60 km towards SE direction. Total water requirement is 7.15 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 14.88.401.46 tonne

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

Year	Production of stone (Tonnes)
1 st	1,49,575.73
2 nd	1,49,459.31
3 rd	1,50,186.96
4 th	1,50,377.47
5 th	1,50,377.47
Total	7,49,976.94

The daily production is 501.25 tonne.

The indicated project cost is Rs 40 Lakh and a provision of Rs 5.0 Lakh has been indicated for Environment management.'

DFO, wildlife, Hazaribag vide letter no. 1544, dated 03.08.2019 certified that the National Park, Bio-Diversity, Sanctuary& ESZ is not within 10 km from proposed project site.

DFO, Sahibganj vide letter no. 2087, dated 16.11.17 certified that the National Park, Bio-Diversity, Sanctuary& ESZ is not within 10 km from proposed project site.

The CO, Mandro vide letter no. 210, dated 27.02.2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S.Khatiyon& Register II.

DMO, Sahibganj vide memo no. 581/M, dated 05.03.2018 certified that there is no other mining lease within 500m periphery of proposed mining lease. Total mining in the area is less than 5 ha in the radius of 500 m.

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 **Hathidari Stone Deposit of M/s M/s A.S.R. Stone Works (Partner: Sri Amrendra Kumar Singh), Mouza- Hathidari, Sub-Division: Rajmahal, District- Sahibganj, Jharkhand. (4.45 Ha).** be recommended for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II.**

4. **Kutlu Stone Deposit of M/s Priya Stone Mines, Village- Kutlu, P.O. – Jairagi, P.S.- Dumri, District-Gumla, State-Jharkhand. (1.756 Ha). (Proposal No. : SIA/JH /MIN/45130/2019)**

This is a Stone Mining Project with an area of 1.756 Ha [Plot No.-931, Khata No.-114]. The latitude and longitude of the project site is 23°19'04.82"N to 23°19'12.37"N and Longitude 84°08'58.58"E – 84°09'04.77"E. The nearest railway station is Gumla Railway station, approx. 48 km toward North direction and nearest airport is Ranchi Airport, approx. 119 km in East Direction. Total water requirement is 4.0 KLD. Water will be taken from nearby village.

The details of mine capacity as per Approved Mining Plan are

Mineable Reserve : 5.10.000 Tonnes

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

Year	Production of stone (Tonnes)
1 st	51000.00
2 nd	51000.00
3 rd	51000.00
4 th	51000.00
5 th	51000.00
Total	255000.00

The daily production is 170 tonne.

The indicated project cost is Rs 30 Lakh and a provision of Rs 4.8 Lakh has been indicated for Environment management.

DFO, wildlife, Ranchi vide letter no. 1056, dated 24.09.2019 certified that the National Park, Bio-Diversity, Sanctuary& ESZ is not within 10 km from proposed project site.

DFO, Gumla vide letter no. 2290, dated 28-09-2019 certified that the National Park, Bio-Diversity, Sanctuary& ESZ is not within 10 km from proposed project site.

The CO, Dumri, vide letter no. 229 (ii), dated 14-10-2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyan& Register II.

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DMO, Sahibganj vide memo no. 947/M. dated 18.10.2019 certified that there is no other mining lease within 500m periphery of proposed mining lease. Total mining in the area is less than 5 ha in the radius of 500 m.

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 **Kutlu Stone Deposit of M/s Priya Stone Mines, Village- Kutlu, P.O. – Jairagi, P.S.-Dumri, District-Gumla, State-Jharkhand. (1.756 Ha).** be recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

5. **Kurse Brick Clay Deposit of M/s Hatim Clay Deposit, Village – Kurse, P.O.- Lohardagga, District Lohardaga, Jharkhand. (Area- 1.044 Ha.) (Proposal No. : SIA/JH/MIN/44294/2019)**

This is a Brick clay Mining Project with an area of 1.044 Ha [Plot No. 1384, 1399 PLOT 12 & 82]. The latitude and longitude of the project site is Latitude -23°31'17.67"N to 23°31'21.86"N and Longitude- 84° 42'01.48"E to 84°42'05.78"N. The nearest railway station is Barkichanpi Railway Station at a distance of 5.0 km towards NE direction from site and nearest airport is Birsa Munda Airport at a distance of 55.0 km in East direction. Total water requirement is 3.5 KLD. Water will be taken from nearby village.

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

Year	Quantity of brick earth (m ³)	Nos of Bricks Proposed
1 st Year	1714.40	6,00,000
2 nd Year	1714.40	6,00,000
3 rd Year	1714.40	6,00,000
4 th Year	1714.40	6,00,000
5 th Year	1714.40	6,00,000
Total	8572.00	30,00,000

The indicated project cost is Rs 12 Lakh and a provision of Rs 1.5 Lakh has been indicated for Environment management.

DFO, wildlife, Ranchi vide letter no. 1164, dated 21.10.2019 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

DFO, Lohardaga vide letter no. 79, dated 09.01.19 certified that the National Park, Bio-Diversity, Sanctuary & ESZ is not within 10 km from proposed project site.

The CO, Lohardaga vide letter no. 18 dated 08.01.2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Lohardaga vide memo no. 613/M, dated 14.08.19 certified that altogether total mining in the area is less than 5 ha in the radius of 500 m.

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 **Kurse Brick Clay Deposit of M/s Hatim Clay Deposit, Village – Kurse, P.O.-Lohardagga, District Lohardaga, Jharkhand. (Area-1.044 Ha.)** be **conditionally** (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure – I**

6. **Mahishmarwa Stone Mine of Shri Chhote Lal Mehta at vill-Mahishmarwa, Tehsil-Danwar, Dist- Giridih (1.61 Acre)**

This is a Stone Mining Project with an area of 1.61 Ha [Khata N0-50, Plot No. – 281(P)]. The latitude and longitude of the project site is 24°30'16.03"N To 24°30'20.8"N and 85°54'59.9"E To 85°55'05.4"E. The nearest railway station is Giridih Railway Station 24 Km South and nearest airport is Birsa Munda Aiport, Ranchi, 390 km SW. Total water requirement is 5. KLD (Dust Suppression, : Domestic, and plantation). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & a fforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve = 1542972 ton

Mineable Reserve = 976170 ton

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

1 st Year	:	97556 T
2 nd Year	:	97614 T
3 rd Year	:	97616 T
4 th Year	:	97612 T
5 th Year	— :	97544 T

The daily production as per Form-I is 325.38 max. TPD.

The indicated project cost is Rs 32.00 Lakh. a provision of Rs 2.00 Lakh has been indicated for Environment management and CER is Rs. 50.000 Thousand.

DFO, Wildlife Hazaribagh vide letter no. 1938, dated 14.09.2019 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and, proposed project is not situated in any ESZ.

The DFO, Giridih Division vide letter no. 2396, dated 04.10.2019 certified that the distance of notified forest is 250 m from proposed project site and no National Park located within 10km from project site.

The CO, Dhanwar vide letter no. 1008, dated 07.09.2019 has mentioned the plot no. of the project is not recorded as, "Jangle Jhari" in R.S Khatiyani & Register II.

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DMO, Giridih vide memo no. 3027/M, dated 27.06.2015 certified that altogether total mining in the area is 4 Acre (1.61 Ha) in the radius of 500 m.

The project site is mentioned in District Survey Report (DSR) of Giridih 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 **Mahishmarwa Stone Mine of Shri Chhote Lal Mehta at vill-Mahishmarwa, Tehsil-Danwar, Dist- Giridih (1.61 Acre)**, be recommended for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - II**.

7. Olmunda Sand Mine (KeondChanwraGhat) Project of Samim Khan, Vill. : Olmunda, Taluka :Sisai, Dist.: Gumla(5.873 Ha). (Proposal No.: SIA/JH/MIN/44138/2018)

This is a Sand Mining Project with an area of 5.873 Ha [Khata no. 142, Plot No.-1738 (P) & 1739 (P)]. The latitude and longitude of the project site is 23° 02' 13.90" N to 23° 02' 27.40" N and 84° 43' 42.20" E to 84° 43' 55.58" E. The nearest railway station is Pokla at a distance of 36.0 km and nearest airport is Ranchi at a distance of about 100 km. Total water requirement is 7.50 KLD. Water will be taken from dug well located nearby project location.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	93.800 m ³
Gross Reserve	:	1,88,818 m ³

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

1 st Year	:	93,375 m ³
2 nd Year	:	93,375 m ³
3 rd Year	:	93,375 m ³

The daily production as per Form-I is 415m³.

The indicated project cost is Rs. 51.85 Lakh and a provision of Rs. 3.50 Lakh has been indicated for Environment management.

DFO, Wildlife Ranchi vide memo no. 1166, dated 21.10.19 certified that the National Park, Bio-Diversity and Sanctuary are not within 10 km from proposed project site. Project location is outside the ESZ. The distance of project boundary from ESZ is 2.07 km.

The DFO, Gumla Division vide letter no. 1854 dated 05.07.18 certified that the distance of notified forest is 260 m from proposed project site.

The CO, Sisai (Gumla) vide letter no. 43, dated 17.01.17 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Gumla vide memo no. 1349/M, dated 23.08.17 certified that no other sand mining in the radius of 1000 m and no bridge, intake well within radius of 500m.

The project is mentioned in District Survey Report (DSR) of Gumla 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 **Olmunda Sand Mine (KeondChanwraGhat) Project of Samim Khan, Vill. : Olmunda, Taluka :Sisai, Dist.: Gumla(5.873 Ha).** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - ~~III~~ (IV)

8. **Olmunda Sand Mine (Pat SarnaGhat) Project of Samim Khan, Vill. : Olmunda, Taluka :Sisai, Dist.: Gumla(6.075 Ha).** (Proposal No. : SIA/JH/MIN/44229/2018)

This is a Sand Mining Project with an area of 6.075 Ha [Khata no. 142, Plot No.-1739 (P) & 2729 (P)]. The latitude and longitude of the project site is 23° 01' 56.53" N to 23° 02' 03.36" N and 84° 44' 20.79" E to 84° 44' 39.76" E. The nearest railway station is Pokla at a distance of 35.0 km and nearest airport is Ranchi at a distance of about 100 km . Total water requirement is 8.00 KLD. Water will be taken from dug well located nearby the project location.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	1,10,403 m ³
Gross Reserve	:	2,22,371 m ³

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

1 st Year	:	1.08,000 m ³
2 nd Year	:	1.08,000 m ³
3 rd Year	:	1.08,000 m ³

The daily production as per Form-I is 480 m³.

The indicated project cost is Rs. 64.50 Lakh and a provision of Rs. 3.50 Lakh has been indicated for Environment management.

DFO, Wildlife Ranchi vide memo no. 1168, dated 21.10.19 certified that the National Park, Bio-Diversity and Sanctuary are not within 10 km from proposed project site. Project location is outside the ESZ. The distance of project boundary from ESZ is 2.29 km.

The DFO, Gumla Division vide letter no. 1855 dated 05.07.18 certified that the distance of notified forest is 280 m from proposed project site.

The CO, Sisai (Gumla) vide letter no. 44, dated 17.01.17 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Gumla vide memo no. 1348/M, dated 23.08.17 certified that no other sand mining in the radius of 1000 m and no bridge, intake well within radius of 500m.

The project is mentioned in District Survey Report (DSR) of Gumla 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 **Olmunda Sand Mine (Pat SarnaGhat) Project of Samim Khan, Vill. : Olmunda, Taluka :Sisai, Dist.: Gumla(6.075 Ha).** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - ~~III~~ (IV)

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9. Vibgyor Estates Pvt. Ltd. & High Street Enterprises Pvt. Ltd. of Vibgyor Estates Pvt. Ltd. & High Street Enterprises Pvt. Ltd. at Plot Khata No. - 360 & Plot No. - 1133, Vill. : Misirgonda, Tehsil : Hehal, Dist. : Ranchi, State : Jharkhand.

Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1,50,000sq m and development area is less than 50 ha. The latitude and longitude of the project site is 23°24'2.23"N to 23°24'4.25"N and 85°18'52.60"N to 85°18'52.15"N.

Salient Features of the project :

Item	Details																														
Project Name	Vibgyor Estates Pvt. Ltd. & High Street Enterprises Pvt. Ltd.																														
Location	Plot No. - 1133 Khata No. - 360 Village - Misirgonda Tehsil - Hehal District - Ranchi State - Jharkhand																														
Type of Project	This Building Construction Project consists of two Blocks. Block A is Commercial Complex (High Street Enterprises). Block B is Residential (Vibgyor Estates)																														
Total Plot Area	7025.66 Sq. m.																														
Building Configuration.																															
Block A (Commercial Complex)	Block B (Residential)																														
Built-up Area: 3880.08 Sq.mt.	Built-up Area: 28341.79 Sq.mt.																														
<table border="1"> <thead> <tr> <th>Floor Name</th> <th>Built up Area Sq. mt.</th> </tr> </thead> <tbody> <tr> <td>Ground Floor</td> <td>1088.52</td> </tr> <tr> <td>First Floor</td> <td>896.77</td> </tr> <tr> <td>Second Floor</td> <td>896.77</td> </tr> <tr> <td>Third Floor</td> <td>765.68</td> </tr> <tr> <td>Fourth Floor</td> <td>232.34</td> </tr> <tr> <td>Total</td> <td>3880.08</td> </tr> </tbody> </table>	Floor Name	Built up Area Sq. mt.	Ground Floor	1088.52	First Floor	896.77	Second Floor	896.77	Third Floor	765.68	Fourth Floor	232.34	Total	3880.08	<table border="1"> <thead> <tr> <th>Floor Name</th> <th>Built up Area Sq. mt.</th> </tr> </thead> <tbody> <tr> <td>Lower Basement</td> <td>4899.52</td> </tr> <tr> <td>Upper Basement</td> <td>4899.52</td> </tr> <tr> <td>Ground Floor</td> <td>1147.34</td> </tr> <tr> <td>First to Thirteenth Floor</td> <td>1168.07</td> </tr> <tr> <td>Fourteenth Floor</td> <td>1164.84</td> </tr> <tr> <td>Fifteenth Floor</td> <td>1045.66</td> </tr> <tr> <td>Total</td> <td>28341.79</td> </tr> </tbody> </table>	Floor Name	Built up Area Sq. mt.	Lower Basement	4899.52	Upper Basement	4899.52	Ground Floor	1147.34	First to Thirteenth Floor	1168.07	Fourteenth Floor	1164.84	Fifteenth Floor	1045.66	Total	28341.79
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Fourteenth Floor	1164.84																														
Fifteenth Floor	1045.66																														
Total	28341.79																														
Carpet Area: 3578.69 Sq.mt.																															

Floor Name		Carpet Area Sq. mt.	Carpet Area: 14792.94 Sq.mt.	
Ground Floor		1016.09	Ground Floor	900.85
First Floor		828.18	First to Thirteenth Floor	930.91
Second Floor		828.22	Fourteenth Floor	936.58
Third Floor		706.14	Fifteenth Floor	853.63
Fourth Floor		200.05	Total	14792.94
Total		3578.69		
Water Consumption:				
Block A (Commercial Complex)		Block B (Residential)		
Total Water Demand is 24 KLD. Which is further bifurcated below. Potable water demand is 6 KLD. Flushing water demand is 18KLD.		Total water requirement is 91 KLD which includes potable, flushing, horticulture, floor cleaning & dust suppression.		
Parking Area Details:				
Block A (Commercial Complex)		Block B (Residential)		
As per Annex A (Clause A-1) of National Building Code of India 2016, In case of permitted mixed residential-commercial or mixed residential-industrial areas the parking requirements shall be double the number for residential use. Therefore, the parking area indicated in Block B is double of the residential requirement.		Lower Basement: 4000 Sq.mt. Upper Basement: 4000 Sq.mt.		
Power requirement:		450 KVA		
Source of Power		JSEB		
Project Cost		Rs. 50,00,00,000.00 /-		
Connectivity		Approach road to be constructed to connect to exiting road.		

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Fire Fighting System

Fire Fighting System will be designed in such a way to be efficient and cost effective in such a way to minimize the energy requirement. A centralized under-ground Water tank for one day water storage will be provided.

Adequate Fire Fighting System is proposed Wet Riser & Hydrant system to the building with the extra provision of sprinkler protection at each floor as per the NBC part IV.

Rain Water Harvesting

Rain water from roof tops will be drained through rain water vertical down take pipes. These vertical down take pipes shall be located at suitable locations inside the shafts or periphery of the building. The terrace will be sloped. The down take pipes will be connected to the storm water network and then to Rainwater Harvesting Pits.

Runoff Calculation of the Area

Type of Surface	Catchment Area(m ²) PP	Runoff Coefficient	Intensity of Rainfall (mm/hr)	Intensity of Rainfall (m/hr)	Runoff (m ³ /hr) PP
Total Roof/Terrace Area Block - A	1016.09	0.85	90	0.09	77.75
Total Roof/Terrace Area Block - B	900.85	0.85	90	0.09	68.91
Total runoff water					146.64

Numbers of Pits Calculation

Volume of desilting tank	Volume of recharge pit	Total Volume	Runoff in 60 minutes	No. of pits required	No. of pits proposed
12 m ³	3.5 m ³	17.5 m ³	146.64	8.37	8 pits

Waste Water Management

Estimated quantity of wastewater to be generated is 70% of the water used.

Block A (Commercial Complex)

Source of Waste water will be from potable and flushing use of 24 KLD. Therefore, waste water to be generated is 17 KLD.

Quantity of treated water will be 80% of waste water to be generated. Therefore, quantity of treated water will be 13.5 KLD.

Block B (Residential)

Source of waste water will be from Potable and flushing use, that is 56 KLD. Therefore waste water to be generated will be 39 KLD.

Quantity of treated water will be 80% of waste water to be generated. Therefore, quantity of treated water will be 31 KLD.

Therefore, total quantity of treated water from both the blocks will be 44.5 KLD. Treated water will be reused in both the blocks, in uses like horticulture, floor cleaning, flushing.

Sewage Treatment Plant

STP is proposed to be installed within premises for waste water treatment. Therefore, there will be no incremental pollution load from wastewater generated. The waste water generated will be treated and will be reused.

Solid Waste

Solid wastes generated from operation phase are given in Table below. About 339 Kg / day of solid wastes are likely to be generated due to the proposed project.

Waste	Quantity (Kg / Day)	Treatment Method
Organic	135.6 Kg	Sent to local body
In-organic	203.4 Kg	Sent to local body

Municipal solid waste will be collected in 3 colored bins namely, green, yellow and red bins. Green is for collection of biodegradable waste. Yellow is for non-biodegradable & recyclable waste, red colored bin is for non-biodegradable & non-recyclable waste.

This way all the waste will be segregated at the source of generation, Municipal corporation vehicle will collect the waste from these 3 bins.

DFO Territorial issued a certificate vide letter no. – 4794, dated – 15/10/2019 & stating that there is no Forest within 250 m radius of proposed project site & No-Mining Zone is moreover 10 Km from proposed project site.

DFO Wildlife issued a certificate vide letter no. –1146, dated – 11/10/2019 & stating that there is no National Parks & Wildlife Sanctuary situated within 10 Km radius of proposed project site.

CO in its certificate (Letter No. – 647 (ii) , dated – 09/10/2019) has stated that the land is not recorded in revenue record as Jungle – Jhari.

The project proposal is having included in master plan and approved building plan

PP and the consultant presented the project. Following observation have been identified. These are:

1. The project proposal, drawing & documents are signed separately by authorised signatory of two private Ltd. Co. In fact, it nshould be signed in the name of construction of it letter head. Signature of consortium leader ot both directors.
2. Earth work quantity is high needs to be rechecked in view of adoption of pile foundation. Computational detail to be provided.
3. Earth work quantity mentioned enclose 1.6 appendix II appears to be in consistent to be checked.
4. Project proposal and drawing need to be signed by consortium on its letter head.
5. Rain water harvesting pit rentation time needs to be 60 minuts.

The PP has submitted the some documents at the sag end of the meeting, which along with the proposal itself could not be examined. Hence document submitted by the PP along with all the documents is being forwarded to SEIAA for needful.

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8/11/19

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10. Siyarkatia Stone Mine of M/S Bom baski Stone Works at Village-Siyarkatia, P.S- Devpur, Dist- Godda, Jharkhand. (1.62 Ha).

This is a Stone Mining Project with an area of 1.62 Ha [Khata No-54, Plot No. -1057(P)]. The latitude and longitude of the project site is 24°38'15.4"N To 24°38'08.5"N and 87°19'29.2"E To 87°19'25.8"E. The nearest railway station is Dumka Railway Station 40 Km South and nearest airport is Birsa Munda Aiport, Ranchi, 250 km SW. Total water requirement is 5.51 KLD (Dust Suppression : 3.58 KLD, Afforestation / Green belt : 0.53 KLD, Drinking / Domestic : 1.40 KLD). The drinking & domestic water need will be fulfilled by taking water from nearby village tube well. As soon as mine void is formed water for green belt and dust suppression will be met from water accumulated in mine void. For the purpose of dust suppression & afforestation water of nearby ponds and rain water harvesting will be used.

The details of mine capacity as per Approved Mining Plan are

Geological Reserve = 185250 cum

Mineable Reserve = 129675 cum

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

1 st Year	:	36153 MT
2 nd Year	:	28809 MT
3 rd Year	:	24570 MT
4 th Year	:	20655 MT
5 th Year	:	19197 MT

The daily production as per Form-I is 120.51 max. TPD.

The indicated project cost is Rs 25.75 Lakh, a provision of Rs 6.31 Lakh has been indicated for Environment management and CER is Rs. 0.66 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 2195, dated 14.10.19 certified that there is no Wildlife Sanctuary, Bio-Diversity & Sanctuary located within 10km from project site and proposed project is not situated in any ESZ.

The DFO, Godda Division vide letter no. 1920, dated 12.10.19 certified that the distance of notified forest is 1020 m from proposed project site and no National Park located within 10km from project site.

The CO, Mandro vide letter no. 1690/R, dated 10.10.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatiyani & Register II.

DMO, Godda vide memo no. 1098, dated 19.09.16 certified that altogether total mining in the area is 4 Acre (1.62 Ha) in the radius of 500 m.

The project site 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 Siyarkatia Stone Mine of M/S Bom baski Stone Works at Village-Siyarkatia, P.S- Devpur, Dist- Godda, Jharkhand. (1.62 Ha).

be recommended for grant of EC. The various conditions for grant of EC is enclosed as Annexure - II.

11. **Brick Soil Mining For M/s J.K.B. Bricks, Proprietor: Sri Ram Das Sahu, at Mouza – Kurum, Thana -Ormanjhi, District - Ranchi, Jharkhand, over an area of 1.29 Acres (0.522 Ha.). (Proposal No. : SIA/JH/MIN/43956/2019)**

This is a Brick Earth Mining with an area of 0.522 Ha [Khata No.: 16, Plot no. 420]. The latitude and longitude of the project site is N23°30'32.28" to N23°30'35.03" and E85°31'11.60" to E85°31'15.07". The nearest railway station is Ramgarh Cantt at a distance of 12 km and the nearest airport is Ranchi at a distance of 29.29 km. Excavation will be carried out in barren land / waste land. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3395 sq.m or 0.8391 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

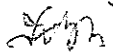
The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.37 Lakh has been indicated for Environment management.





The DFO, Wildlife Ranchi vide memo no. 992, dated 06.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4795, dated 15.10.2019 certified that the distance of project location from Reserved Forest / Protected Forest is more than 250m.

DMO, Ranchi vide memo no. 1261, dated. 21-11-2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Ormanjhi vide letter no. 447(ii), dated 18.08.2017 for statutory clearance & vide letter no. 493(ii), dated -16.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyon & Register -II.


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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 Brick Soil Mining For M/s J.K.B. Bricks, Proprietor: Sri Ram Das Sahu, at Mouza – Kurum, Thana -Ormanjhi, District - Ranchi, Jharkhand, over an area of 1.29 Acres (0.522 Ha.). be conditionally (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I.

12. **Brick Soil Mining For M/s M.B.C. Bricks, Proprietor: Miraj Ansari, at Mouza – Barwe, Thana – Ormanjhi, Thana No. – 25, District – Ranchi, Jharkhand, over an area of 1.98 Acres (0.80 Ha.). (Proposal No. : SIA/JH/MIN/45251/2019)**

This is a Brick Earth Mining with an area of 0.80 Ha [Khata No. 73. 17. Plot no. 149. 242. 243]. The latitude and longitude of the project site is N23°29'33.79" to N23°29'36.59" and E85°26'02.12" to E85°26'09.33". The nearest railway station is Tatisilwai at a distance of 13.70 km and the nearest airport is Ranchi at a distance of 20.87 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3600 sq.m or 0.89 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.82 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 1024, dated 16.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4801, dated 15.10.2019 certified that the distance of project location from Reserved Forest / Protected Forest is more than 250m.

DMO. Ranchi vide memo no. 1260, dated, 21.11.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO. Ormanjhi vide letter no. 395(ii), dated 27.07.2017 for statutory clearance & vide letter no. 495(ii), dated -16.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyani & Register -II.

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 Brick Soil Mining For M/s M.B.C. Bricks, Proprietor: Miraj Ansari, at Mouza - Barwe, Thana - Ormanjhi, Thana No. - 25, District - Ranchi, Jharkhand, over an area of 1.98 Acres (0.80 Ha.). be conditionally (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I.

13. Brick Soil Mining For M/s Nova Bricks, Proprietor: Jawed Akhtar, at Mouza - Lem, Thana - Sadar, Thana No. - 162, District - Ranchi, Jharkhand, over an area of 2.40 Acres (0.97 Ha.) (Proposal No. : SIA/JH/MIN/45168/2019)

This is a Brick Earth Mining with an area of 0.97 Ha [Khata No.: 160, Plot no. 218(P)]. The latitude and longitude of the project site is N23°25'41.71" to N23°25'44.91" and E85°22'01.41" to E85°22'06.22". The nearest railway station is Tatisilwai at a distance of 8.65 km and the nearest airport is Ranchi at a distance of 13.24 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

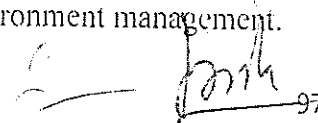
90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3600 sq.m or 0.89 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.75 Lakh has been indicated for Environment management.

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The DFO, Wildlife Ranchi vide memo no. 987, dated 06.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4799, dated 15.10.2019 certified that the distance of project location from Reserved Forest / Protected Forest is more than 250m.

DMO, Ranchi vide memo no. 1364, dated, 04.12.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Bargain vide letter no. 950(ii), dated 06.09.2017 for statutory clearance & vide letter no. 742(ii), dated -01.10.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyon & Register -II.

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 Brick Soil Mining For M/s Nova Bricks, Proprietor: Jawed Akhtar, at Mouza - Lem, Thana - Sadar, Thana No. - 162, District - Ranchi, Jharkhand, over an area of 2.40 Acres (0.97 Ha.). be ~~conditionally~~ (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I

14. Brick Soil Mining For M/s RBC Bricks, Proprietor: Sri Sanjeet Prasad, at Mouza - Bundu, P.S. - Ormanjhi, District - Ranchi, Jharkhand, over an area of 1.89 Acres (0.76 Ha.).
(Proposal No. : SIA/JH/MIN/45161/2019)

This is a Brick Earth Mining with an area of 0.76 Ha [Khata No. 13. Plot no. 276 & 277]. The latitude and longitude of the project site is N23°29'48.00" to N23°29'51.76" and E85°22'22.24" to E85°22'26.04". The nearest railway station is Tatisilwai at a distance of 15.44 km and the nearest airport is Ranchi at a distance of 20.58 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 650 cum of top soil will be generated during the 5 years plan period @ 130 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3600 sq.m or 0.89 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000

4 th Year	1140	6.00.000
5 th Year	1140	6.00.000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.52 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 1028, dated 16.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4803, dated 15.10.2019 certified that the distance of project location from Reserved Forest / Protected Forest is more than 250m.

DMO, Ranchi vide memo no. 1273, dated, 21.11.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Ormanjhi vide letter no. 420(ii), dated 07.08.2017 for statutory clearance & vide letter no. 494(ii), dated -16.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyon & Register -II.

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 Brick Soil Mining For M/s RBC Bricks, Proprietor: Sri Sanjeet Prasad, at Mouza - Bundu, P.S. - Ormanjhi, District - Ranchi, Jharkhand, over an area of 1.89 Acres (0.76 Ha.). ~~be conditionally (project site not mention in DSR)~~ recommended for ~~subject to submission of DSR from competent authority directly to SEIAA~~ consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - I

15. **Brick Soil Mining For M/s Naaj Bricks, Partner: Md. Afroj Ansari, at Mouza - Dubliya, Thana - Pithoria, Thana No. - 48, District - Ranchi, Jharkhand, over an area of 2.69 Acres (1.09 Ha.). (Proposal No. : SIA/JH/MIN/45138/2019)**

This is a Brick Earth Mining with an area of 1.09 Ha [Khata No. 236, Plot no. 1390]. The latitude and longitude of the project site is N23°27'12.28" to N23°27'17.13" and E85°22'39.48" to E85°22'43.75". The nearest railway station is Tatisilwai at a distance of 11.06 km and the nearest airport is Ranchi at a distance of 16.17 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3500 sq.m or 0.86 acres in the five year plan period.

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Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.76 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 1023, dated 16.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4603, dated 02.11.2017 certified that the distance of project location from Reserved Forest / Protected Forest is 05 K.M

DMO, Ranchi vide memo no. 1263, dated, 21.11.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Ormanjhi vide letter no. 869(ii), dated -21.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyan & Register -II.

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 **Brick Soil Mining For M/s Naaj Bricks, Partner: Md. Afroj Ansari, at Mouza - Dubliya, Thana - Pithoria, Thana No. - 48, District - Ranchi, Jharkhand, over an area of 2.69 Acres (1.09 Ha.).** be ~~conditionally (project site not mention in DSR)~~ recommended for ~~subject to submission of DSR from competent authority directly to SEIAA~~ consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**

16. **Brick Soil Mining For M/s JRB Bricks (Unit - I), Proprietor: Sri Johnson Runda, at Mouza - Santi, Thana - Ormanjhi, Thana No. - 07, District - Ranchi, Jharkhand, over an area of 1.30 Acres (0.53 Ha.). (Proposal No. : SIA/JH/MIN/45132/2019)**

This is a Brick Earth Mining with an area of 0.53 Ha [Khata No. 18, Plot no. 564 (P)]. The latitude and longitude of the project site is N23°29'53.92" to N23°29'56.50" and E85°22'51.53" to E85°22'55.20". The nearest railway station is Tatisilwai at a distance of 15.42 km and the nearest airport is Ranchi at a distance of 21.02 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3200 sq.m or 0.78 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.18 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 982, dated 06.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 4807 dated 17.11.2017 certified that the distance of project location from Reserved Forest / Protected Forest is 1600 m.

DMO, Ranchi vide memo no. 1265, dated, 21.11.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Ormanjhi vide letter no. 446(ii), dated 18.08.2017 for statutory clearance & vide letter no. 497(ii), dated 16.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyani & Register -II.

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 **Brick Soil Mining For M/s JRB Bricks (Unit - I), Proprietor: Sri Johnson Runda, at Mouza - Santi, Thana - Ormanjhi, Thana No. - 07, District - Ranchi, Jharkhand, over an area of 1.30 Acres (0.53 Ha.)** be ~~conditionally~~ ^{conditionally} (project site not mention in DSR) recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**.

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17. Brick Soil Mining For M/s SMB Bricks, Proprietor: Sri Shankar Sahu, at Mouza – Hochar, Thana – Kanke, Thana No. – 158, District – Ranchi, Jharkhand, over an area of 2.80 Acres (1.133 Ha) (Proposal No. : SIA/JH/MIN/45131/2019)

This is a Brick Earth Mining with an area of 1.133 Ha [Khata No.: 288, Plot no. 290,291,292,293 & 294]. The latitude and longitude of the project site is N23°27'46.57" to N23°27'52.45" and E85°21'16.10" to E85°21'20.98". The nearest railway station is Ranchi at a distance of 12.81 km and the nearest airport is Ranchi at a distance of 16.60 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 650 cum of top soil will be generated during the 5 years plan period @ 130 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3570 sq.m or 0.882 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 2.11 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 1030, dated 16.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

The DFO, Ranchi Division vide letter no. 3482, dated 26.07.2017 certified that the distance of project location from Reserved Forest / Protected Forest is 3800 m.

DMO, Ranchi vide memo no. 1133, dated, 20.10.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Kanke vide letter no. 878(ii), dated 21.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyan & Register –II.

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 Brick Soil Mining For M/s SMB Bricks, Proprietor: Sri Shankar Sahu, at Mouza – Hochar, Thana – Kanke, Thana No. – 158, District – Ranchi, Jharkhand, over an area of 2.80 Acres (1.133 Ha). be ~~conditionally (project site not mention in DSR)~~ recommended for ~~subject to submission of DSR from competent authority directly to SEIAA~~ consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure – I

18. Brick Soil Mining For M/s Sars Bricks, Proprietor: Sri Mahabir Kumar, at Mouza – Jirawar, P.O.- Kuchu, P.S. – Ormanjhi, District – Ranchi, Jharkhand, over an area of 2.58 Acres (1.04 Ha.). (Proposal No. : SIA/JH/MIN/45125/2019)

This is a Brick Earth Mining with an area of 1.04 Ha [Khata No. 104, Plot no. 321]. The latitude and longitude of the project site is N23°29'39.91" to N23°29'44.49" and E85°23'41.48" to E85°23'46.67". The nearest railway station is Tatisilwai at a distance of 14.47 km and the nearest airport is Ranchi at a distance of 21.03 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 650 cum of top soil will be generated during the 5 years plan period @ 130 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3440 sq.m or 0.84 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000
Total	5700	30,00,000

The indicated project cost is Rs 6.00 Lakh and a provision of Rs 1.81 Lakh has been indicated for Environment management.

The DFO, Wildlife Ranchi vide memo no. 985, dated 06.09.19 the National Park, Bio-Diversity, & Sanctuary is not within 10 km and ESZ is also not within 10 km from proposed project site.

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The DFO, Ranchi Division vide letter no. 4802, dated 15.10.2019 certified that the distance of project location from Reserved Forest / Protected Forest is more than 250m.

DMO, Ranchi vide memo no. 1272, dated, 21.11.2017 certified that no other lease exists within 500 m radius from proposed project site.

The CO, Ormanjhi vide letter no. 419(ii), dated 07.08.2017 for statutory clearance & vide letter no. 500(ii), dated -16.09.2019 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyan & Register -II.

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 **Brick Soil Mining For M/s Sars Bricks, Proprietor: Sri Mahabir Kumar, at Mouza - Jirawar, P.O.- Kuchu, P.S. - Ormanjhi, District - Ranchi, Jharkhand, over an area of 2.58 Acres (1.04 Ha.)**, be ~~conditionally (project site not mention in DSR)~~ recommended for subject to submission of DSR from competent authority directly to SEIAA consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**

19. **Brick Soil Mining For M/s Mina Bricks, Proprietor: Sri Raj Kumar Gupta, at Mouza - Santi, Thana - Ormanjhi, Thana No. - 07, District - Ranchi, Jharkhand, over an area of 1.97 Acres (0.797 Ha.). (Proposal No. : SIA/JH/MIN/45122/2019)**

This is a Brick Earth Mining with an area of 0.797 Ha [Khata No.: 14, Plot no. 32, 33, 37 & 38]. The latitude and longitude of the project site is N23°30'25.98" to N23°30'30.21" and E85°22'41.86" to E85°22'46.27". The nearest railway station is Tatisilwai at a distance of 16.35 km and the nearest airport is Ranchi at a distance of 21.86 km. Excavation will be carried out in field otherwise barren but suitable for agriculture purpose. Approx. 665 cum of top soil will be generated during the 5 years plan period @ 133 cum every year.

90% of geological reserve is considered mineable due to blockages in slopes / benches and other losses. A production plan of Sub Soil is 1140 cum / year has been envisaged for the brick earth which will be sufficient for manufacturing 6,00,000 numbers of bricks every year. Thus, a total of about 5700 cum quantity of brick earth Sub Soil will be excavated during the plan period of 5 years. This amounts to a broken surface area of 3520 sq.m or 0.87 acres in the five year plan period.

Year-wise Production of brick earth as per PFR for five years is as follows

Year	Quantity of Sub Soil (m ³)	Nos of Bricks Proposed
1 st Year	1140	6,00,000
2 nd Year	1140	6,00,000
3 rd Year	1140	6,00,000
4 th Year	1140	6,00,000
5 th Year	1140	6,00,000