

MINUTES OF THE 72ND MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 27TH, 28TH, 29TH & 30TH MAY, 2019

The 72nd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 27th, 28th, 29th & 30th May, 2019 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

The PP JSMDC submitted 20 projects for sand mining, out of which 02, 08 & 10 projects have been forwarded to SEAC on 24.05.19, 27.05.19, 28.05.19. It reflects the slackness & irresponsible behaviour on the part of PP (JSMDC). Though, as per established norms, projects documents have to be sent to each members of SEAC at least one week before the scheduled meeting, so that they get well acquainted with the details of the project before appraisal. However, the committee decided to take up all the projects for appraisal, in order to avert the crisis of sand in the Jharkhand State, leading to hampering / delaying of the developmental projects.

In view of urgency & request from JSMDC Ltd, Govt. of Jharkhand, the SEAC meeting has been extended for one more day i.e 30th May, 2019.

Some of the documents submitted by JSMDC Ltd. have been found erroneous and that require clarification / corrigendum. The PP (JSMDC) is being directed to submit requisite clarification / corrigendum from the concerned officer to the SEIAA directly for needful in case of urgency.

The following members were present :

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

Sri R.N. Singh, Dr. R. V. Singh, Sri Mohan SriramBhagwat & Sri U.P. Singh, Member, SEAC could not attend the meeting due to personal reason.

SEIAA forwarded various projects to the SEAC for the technical appraisal after the last SEAC meeting held on 16th & 17th May, 2019. These projects have been put up for discussions. Besides, these Projects, wherein PP's were asked to provide requisite informations / clarifications in SEAC earlier meeting, were also considered for appraisal. The Project Proponents have been asked to make technical presentation for the appraisal of their projects before the committee.

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

Day 1 : May 27, 2019 [Monday]

• **Discussion on matter related to :**

- i. **Letter dated 05.04.19 of Shri Niraj Kumar, Computer Operator, SEAC regarding enhancement of salary / equal pay for equal work / appointment of Accountant – cum – Assistant for Permanent / Contractual basis.**

SEAC has received a letter dated 05.04.19 from Shri Niraj Kumar, Computer Operator, wherein he has requested to assign him an enhancement of salary / equal pay for equal work /

30.05

[Handwritten signature]
31/5/19

[Handwritten signature]

[Handwritten signatures]

appointment as Accountant – cum – Assistant on permanent / contractual basis, since he is performing additional work, as per the direction. Relevant documents too are attached.

SEAC observed that Shri Niraj Kumar is very active & hardworking. He provides all the supporting technical, financial and administrative backup to the committee members, Chairman & the Member Secretary, SEAC. The SEAC opines that it is quite unjustified for a hardworking, sincere, dedicated worker.

As per office records, Shri Niraj Kumar has been working as Assistant too since last 05 years as well as Accountant since last 02 years, besides being a Computer Operator. He is performing all of his duties in a systematic manner. At the same time he has been successfully performing the said assignment in the organization (SEAC) for the last 5 years.

Earlier, in SEAC office 03 employees were working. One Md. Nizamuddin was working as Accountant-cum-Assistant, but in compliance of Govt. guidelines of maximum permissible age limit, SEIAA office had relieved Md. Nizamuddin from his duties. Another one, who was presently working as peon. However, in place of Md. Nizamuddin, Sri Niraj Kumar is performing all of his assigned work systematically as a Accountant – cum – Assistant, besides working as Computer Operator.

Shri Niraj Kumar has been performing as Accountant since he scrutinises all the financial reimbursement, bills etc. of Chairman and Members of SEAC as per Rules / circulars of the Jharkhand govt., and same is being forwarded by Member Secretary, SEAC to SEIAA for final payment. Besides, in response to Central / State Govt. / Project Proponent letter, draft is being prepared by Shri Niraj Kumar for approval by M.S, SEAC, that reflects his ability & competency.

The Ministry of Environment, Forest & Climate Change, Govt. of India vide its letter dated 12.10.17 observed that existing employees, who are working in govt. organization / institution for a long time and are well versed with the Rules and Laws, they may be continued on the same post for which he has efficiency.

The Hon'ble Jharkhand High Court in LPA no. 228/14 has passed the an order dated 19.08.17 wherein it clearly states / directs that the working employee (differently described as work-charge, daily wage, casual, ad hoc, contractual etc.) should be given the benefits of "**equal pay for equal work.**"

The Finance Deptt., Govt. of Jharkhand had issued an order in letter no. 1965, dated 02.06.17 to increase the wage of working computer operator in the Secretariat and in its accompanying office. The 5th Joint meeting of SEIAA & SEAC held on 27.03.18 and 61st meeting of SEAC held on 24-26 September, 2018 had recommended for enhanced wages as per the Finance Deptt. circular.

Deliberation was made on the issue of enhancement of salary of the employee of SEIAA/SEAC and it was found that SEIAA, Jharkhand has increased the salary of the employee from time to time as per the Circular of Department of Finance, Govt. of Jharkhand. The decision of SEIAA regarding enhancement of salary is being quoted as under :

Sl. no.	Finance Deptt. Letter no.	Dated	Approval in SEIAA meeting
1.	157	20.01.2012	24 th meeting, dated 02.09.14

2.	2374	07.07.2014	30 th meeting, dated 02.09.14
3.	2177	28.01.2015	Till date (as per direction of M.S, SEIAA, Jharkhand)

The committee has considered the letter no. 185 dated 12.12.2018 of SEAC whereby Member Secretary, SEAC has made request to Member Secretary SEIAA to appoint Shri Niraj Kumar on the permanent / contractual basis for the post of Accountant-cum-Assistant. But the issue is still pending.

As such SEAC further strongly recommends to the SEIAA to appoint Shri Niraj Kumar on permanent / contractual basis for the post of Accountant –cum-Assistant and pleads that he should be granted of the benefit of *equal pay for equal work*, as directed by the Hon'ble Court or enhance the salary as per the Finance Deptt, Govt. Jharkhand letter no. 1965, dated 02.06.17.

ii. SEIAA letter no. 215, dated 10.05.19 regarding Zero Draft of the Environment Impact Assessment Notification, 2019 – comments requested.

MoEF&CC, Govt. of India has issued Zero Draft of the Environment Impact Assessment Notification, 2019 and comments of SEAC members have been requested.

SEAC discussed on the major points of the zero draft and requested the members to submit point wise replies individually by 31st May, 2019.

In the meantime Dr. B.K. Tewary, Sri Radha Nand Singh, Sri Mohan Sriram Bhagwat Sri Y.K. Singh & Dr. V.P. Sinha, Member have forwarded their opinion regarding the zero draft of EIA notification, 2019 (copy enclosed).

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

M.S., SEIAA vide memo no. 338 dated 29.12.18 & letter no. 104 dt. 01.03.19 forwarded 40 projects of minor minerals for re-appraisal of the same, so as to ascertain the legality of recommendation in the said cases with reference to JSPCB Lt. no. B-1286 dt. 13.12.13. The JSPCB has sought as to whether DFO certificate (reg. distance from Wildlife Sanctuary / National Park / Notified forest) has been considered or not, while granting EC.

The projects incorporated in the said list are lying either within 250/100 m distance from notified forest or within Eco-Sensitive Zone of Wildlife Sanctuary, or both.

The M.S., SEAC vide letter no. 60 to 99 dt. 24.04.19 requested all the PPs of the said projects to submit DFO certificate ((reg. minimum distance of forest / National Park / Sanctuary etc.) and C.O. certificate (reg. whether the class of land is Jungle-Jhari or not), within one month from the issue of letter, failing which SEAC would recommend for appropriate legal action. The spirit of the said letters was unanimously approved by SEAC in its 70th meeting held on 29-30.04.19

As many as 09 PP have submitted the compliance letter/report which are as under :

- (i) Stone Mine of Mr. Santosh Kr. Munshi, Vill :Gendanawadih, P.S. : Topchanchi, Dist. : Dhanbad (1.214 ha).
- (ii) Stone Mine of M/s Janta Stone Works, Vill :L datand, P.S. : Topchanchi, Dist. : Dhanbad (0.708 ha).

- (iii) Dumraon Stone Deposit of Sri Rajesh Kr. Mehta, Vill :Dumraon, P.S. : Ichak, Dist. : Hazaribagh (1.21 ha).
- (iv) Adar Stone Quarry of M/s Basudev Mahto, Vill. : Adar, Tehsil : Padma, Dist. : Hazaribagh (0.81 ha).
- (v) Dumraon Stone Mine of Smt. Gita Mehta, Vill. : Dumraon, Tehsil :Ichak, Dist. : Hazaribagh (0.65 ha).
- (vi) Pandra Stone Mine of Sri Dineshwar Pd. Mehta, Vill. : Pandra, Thana :Ichak, Dist. : Hazaribagh (0.4370 ha).
- (vii) Jihu & Pandra Stone Mine of Sri Rajendra Pd. Mehta, Vill. : Jihu&Pandra, Thana :Ichak& Padma, Dist. : Hazaribagh (2.5818 ha).
- (viii) Stone Quarry of M/s Ramcon Infrastructure Pvt. Ltd, Vill. : Kumharkalan, Thana :Barkatha, Dis. : Hazaribagh (1.82 ha).
- (ix) Taratand Stone Quarry of Smt. Bimli Devi, Vill. : Taratand, Dist. :Koderma (2.78 ha).

However, none of the PPs have submitted proper CO / DFO certificate. Two PP (Mr. Santosh Kr. Munshi & M/s Janta Stone Works) submitted that they have applied for clearance from SWBL / NWBL. It is amply clear from list of projects that all the projects are either within 250/100 meter zone from nearest notified forest or otherwise within Eco Sensitive Zone of nearby Wildlife Sanctuary.

The project lying within Eco Sensitive Zone, requires clearance from SBWL / NBWL to get EC from SEIAA. Besides, projects lying within 250/100 m distance from notified forest are not supposed to get EC from SEIAA, Jharkhand (as stipulated in minimum distance criteria / guideline in SEIAA)

Accordingly, the projects, which are within ESZ, cannot operate their mining unit, unless SBWL / NBWL clearance is obtained and the projects, which are within 250/100 m distance from notified forest or on "Jangle-jhari" land, too cannot operate the mines.

Now that the compliance period quoted in aforesaid SEAC letters dt. 24.04.19, has been expired on 24.05.19, accordingly, projects enlisted in the said list could not be allowed to run their mining projects, since their EC granted earlier without pre-requisite, is legally invalid.

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

• Consideration of Proposals

i. **Integrated Municipal Solid Waste Management Facility for Ranchi Municipal Corporation, Vill. : Jhiri, Kanke, Dist. : Ranchi.**

(Proposal no. : SIA/JH/MIS/28276/2018)

Essel Infraprojects Ltd, Essel Utility have formed Special Purpose Company (SPC). Ranchi Municipal Corporation has entered into agreement for the project with this SPC for setting up an 6 MW power generation plant along with provisions of a landfill for inert and ash management based on 525 MT unsegregated (330 processed) of MSW daily.

M/s Ranchi MSW Pvt. Ltd. proposes its Integrated Municipal Solid Waste Facility at Khata no. : 54, 77, 29, 27, Plot no. : 251, 252, 249, 253, 254, 255, 250, 262, 219, 261, 218, 260, Jhiri, Ranchi. Geographically the site is located at Latitude 23° 24' 41.10" N and Longitude 85° 15' 21.28" E. The site is only 1.0 km away from NH 75 and is about 0.11 km from ring road. The nearest railway station is Ranchi Railway Junction which is about 10.5 km away. Nearest town is Ranchi, which is about 9.20 km from the proposed site. Nearest Airport is Birsa Munda Airport. The estimated project cost is Rs. 9721.72 Lakhs.

The total land available for the proposed project is about 17.01 ha. The total land has been acquired. Around 30 KLD of water will be required during construction phase and 150 KLD will be required during plant operational phase. The required water will be sourced from ground sources.

After being processed in Waste to Energy Power Plant the amount of inerts, Bottom ash and fly ash generated will be about 45 TPD out of which the bottom ash and inerts will be recycled and 5 TPD of fly ash will be sent to landfill or will be used for fly ash bricks.

The proponent presented the proposed salient features :

- i. Complete coverage of door to door and community collections served by vehicles.
- ii. Provide real time alert generation based on the level of garbage volume in the bins.
- iii. Efficient monitoring and management of waste collection bins.
- iv. Real time alert once garbage is picked up from a particular bin.
- v. Manage routes and vehicles dynamically through automated system.
- vi. Real time management of missed garbage collection points.
- vii. GPS tracking of the waste pick up vehicle for real time tracking.
- viii. Keep history of vehicle routes, attended sites and other details.
- ix. Do route optimization which shall help in reduction of trip time fuel saving and serving more location.
- x. Number of trips undertaking and bins cleared with exact time stamps for each vehicle.
- xi. Reporting of vehicles, garbage collections and other SWM details to higher authorities from any location and any time.
- xii. Ability to sense / record deviation from schedule, update system and intimate user on the same.
- xiii. Integrate the dumping ground and transfer station facilities with the centralized locations.
- xiv. Weighty bridge interface at secondary collection points and at dump yards for weight calculation of each type of garbage.

DFO, Ranchi vide letter no. 3548, dated - 30.10.18 certified that the distance of Gutwa forest is 4800 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project site is not under ESZ. The CO, Ratu vide letter no.893 (ii), dated - 23.10.18 has mentioned that the plot no. of the project site is not recorded as Jangal Jhari in Khatiyani & Register II.

The PP Commissioner, Ranchi Municipal Corporation has submitted proposal for issuance of ToR for Integrated Municipal Solid Waste Management Facility. The PP has not turned up before the SEAC in its 70th meeting held on 29-30.04.19, in spite of MS, SEAC memo no. 59, dated 23.04.19 for presentation of their case. The SEAC decided to defer the issue for next meeting.

The authorized representative of PP appeared on next date of meeting i.e. on 15.05.19. However, they orally requested for grant of time for presentation.

The authorized representative of PP on the request memo no. 279, dated 22.05.2019 of the SEAC turned up on next meeting for presentation with the help of consultant.

The PP further elaborated components of the projects i.e. primary collection, secondary collection, processing facilities, street sweeping facilities, characteristics of MSW, boiler design, proposed turbo generating turbine, power evacuation system, solid waste management & air & water pollution control system. The details of secure land fill which has been designed as per the MoEF&CC guidelines having Geo synthetic clay liner and High density poly ethylene (HDPE) Geo membrane and geo composite layer along with land fill processing system.

Since, the project is B1 category, accordingly as per EIA notification, 2006 first of all Terms of Reference (ToR) for preparation of detailed one season data except rainy season baseline data generation, Environmental Impact Assessment and Environmental Management Plan and Public Hearing is to be conducted.

After completion and submission of final EIA/EMP along with Public Hearing report, this committee will appraise the proposed project and on finding satisfactory completion of ToR points EC will be issued.

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 27-30.05.19 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study. The ToR points are enclosed as **Annexure - 1**.

ii. Chito Stone Deposit of M/s Harshraj Mining LLP (Shri Abhishek Kumar), Vill. : Chito, Tehsil : Patratu, Ramgarh (3.205 ha).

(Proposal No. : SIA/JH/MIN/32765/2019)

This is a Stone Mining Project with an area of 3.205 Ha [Khata no. 17, 22, 14, 13, 40, 24 & Plot No.-267 (P), 268, 269, 270 (P), 271 & 273 (P)]. The latitude and longitude of the project site is 23° 35' 05.72" N to 23° 35' 13.43" N and 85° 22' 27.86" E to 85° 22' 35.52" E. The expected life of mine is 9 years. The nearest railway station is Bhurkunda at a distance of 6 km, nearest Highway is 6.0 km and the nearest airport is Ranchi at a distance of 31km. Total water requirement is about 5.8 KLD (Drinking & Domestic use : 1.2 KLD, Development and Dust Suppression : 3.6 KLD & Green Belt development : 1.2 KLD, will be taken from nearby village.

The indicated project cost is Rs40 Lakh and a provision of Rs3.60 Lakh has been indicated for Environment management. Budget for Corporate Environmental Responsibility (CER) is Rs. 1.00 Lakh

The details of mine capacity as per Approved Mining Plan are

Proved Mineral Reserve	:	23,46,750t
Probable Mineral Reserve	:	3,20,850t

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

1 st Year	:	3,00,000 t
2 nd Year	:	3,00,000 t
3 rd Year	:	3,00,000 t
4 th Year	:	3,00,000 t
5 th Year	:	3,00,000 t

The daily production as per Form I is 1000 t.

DFO, Ramgarh vide letter no, 2482, dated - 29.09.18 certified that the distance of notified forest is 260 m from battery point of proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and proposed project is not situated in any Eco Sensitive Zone. The CO, Patratu vide letter no. 2052, dated - 12.10.18 has mentioned the class of land is Raiti & Gairmajrua in R.S. Khatiyani and not recorded as Jangal Jhari.

DMO, Giridih vide memo no. 306, dated 26.02.19 certified that any other lease is not within 500 m radius from proposed project site

Regarding DSR of the district, it was found that an uploaded DSR in soft and hard copy is available in the SEIAA / SEAC office.

SEAC opined that the M.S, SEAC will get clarification from the DC, Ramgarh of the area and based on this final decision will be made, once the reply is received.

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

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

iv. Simariya Stone Deposit of M/s Pawanputra Stone Works, Vill. : Simariya, Thana : Jirwabari, Dist. : Sahibganj (6.07 Ha)

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

v. “Ashiana Aditya” of M/s Ashiana Housing Ltd, Vill. : Asangi, Tehsil : Adityapur, Dist. : Saraikela. (Proposal No. : SIA/JH/NCP/75825/2018)

The project is a construction project and falls under Category 8(A) of Building and Construction Project as per EIA notification dated 14th September 2006.

The proposed site is located in Khata no. : 1, Plot no. : 266 (P) & 608 (P), Khata no. : 11, Plot no. : 613 (P), Khata no. : 12, Plot no. : 609 (P), 610 (P), 611, 612, 616 (P), 617, 618 (P) & 619, Asangi Village, Tehsil & District- Adityapur, Kharsawan, Jharkhand. The site is accessible from SH-05 at the distance 0.5 km from the project site in West direction. The proposed Project is a residential Project of Ashiana Housing Limited. The proposed project location is at a distance of 2.6 km from Gamharia Railway junction in the West direction. The nearest airport from the project site is Sonari Airport at a distance of 4.73 km, in the North-East direction. The location coordinates of the proposed project is given below :

Latitude and Longitude of the projects :

S. No.	Description of point	Latitude	Longitude
1.	A.	22°47'39.95"N	86°7'40.55"E
2.	B.	22°47'39.70"N	86°7'41.21"E
3.	C.	22°47'35.72"N	86°7'40.16"E
4.	D.	22°47'36.86"N	86°7'42.00"E
5.	E.	22°47'33.74"N	86°7'46.24"E
6.	F.	22°47'32.69"N	86°7'45.09"E

[Handwritten signatures and initials]

7.	G.	22°47'31.58"N	86°7'43.00"E
8.	H.	22°47'32.06"N	86°7'40.57"E
9.	I.	22°47'33.53"N	86°7'37.72"E
10.	J.	22°47'37.05"N	86°7'37.98"E
11.	K.	22°47'37.17"N	86°7'39.37"E

The proposed project is planned to be developed over an area of 7.0 acre (28325.33 m²) & total built-up area is 76331.56 m². Parking and community facilities for the residential occupants will be provided. Development of greenbelt has been planned over an area of 6369.68 m².

The proposed area is vacant land and will be converted into Residential Complex. The total plot area is 7.00 acre (28325.50 m²). The break-up of existing and proposed land use are given below in

Existing and proposed land use of Proposed Project

Sl. No.	Description	Area (m ²)
A. Existing Land use		
A-1	Total Plot Area (as per land document)	28325.50
A-2	Total plot area	28325.33
Ground Coverage Breakup		
Sl. No.	Description	Unit wise area (m ²)
B.1	Total Built-up Area	76331.56
B.2	FAR Permissible as per By laws (2.50)	70813.33
B.3	FAR Purchased	0
B.4	FAR Achieved	60988.98
B.5	Ground Coverage Permissible (35%)	9913.87
B.6	Ground Coverage Achieved (21.27%)	6025.2
Ground Coverage Breakup		
	A-1 Block	2083.30
	B-1 Block	2083.30
	BLOCK D-1(Club house)	868.63
	BLOCK E-1 (EWS)	385.87
	C BLOCK-1 (Residential)	604.10
B.7	Green Area	6369.68
B.8	Open Parking Area	3585
B.9	Road Area/ Paved Area	12345.45
B.10	Total No. of blocks	5
B.11	No. of Floors	Basement +Half stilt+12th floor
B.12	Height of Building upto Terrace Level	38.8
B.13	2 BHK unit	200
B.14	3 BHK unit	250
B.15	Total No. of Dwelling Units	450
B.16	Total No. of LIG	90
B.17	Total No. Parking Provided	526 Cars and 305 Scooter

Post-project Level of Service: The Total parking space provided in the project will be 7185 m². The PCU for the project is 628. Assuming 80% vehicles leave during morning, the additional vehicles are 502.

Resultant Level of Service :

Location	Existing PCU /	Additional PCU / day	Total PCU / day	Road Type	C = Suggested design capacity in	V/C ratio	LoS as
----------	----------------	----------------------	-----------------	-----------	----------------------------------	-----------	--------

	day				PCU / day		per IRC
T1: Adityapur Chaibasa road (SH-05)	567	202	769	2 lane divided	1200	0.64	D
T2: Towards Jamshedpur	628	300	928	2 lane divided	1200	0.77	D

- **Water requirement :**

Construction Phase : The water requirement for construction phase will be 7KLD. The Source of water will be private tanker.

Operation Phase: The Total water demand during operation phase will be 420 KLD which include 251 KLD fresh water and 169 recycled water. The source of water will be Adityapur Municipal Corporation.

- **Power requirement :**

Construction Phase : During construction phase power requirement will be 75 KW. The supply will be JUSCO.

Operation Phase: The maximum connected load in the operation phase will be 3365 KW and the maximum demand will be 1584 kVA. The power will be sourced from JUSCO.

Power Backup: The power back-up will be provided by 2 DG sets each of capacity 350 and 380 KVA.

- **Waste water Treatment & Disposal :**

Operation Phase: The total wastewater generation is 305 KLD. A STP of capacity 350 KLD will be installed for treating the wastewater generated from the project.

- **Solid Waste Management :**

Construction Phase: The municipal solid waste generation during the construction phase at the proposed project site will be segregated in terms of Bio-degradable and inert waste. The segregated waste will be transported to nearby waste dumping site by the contractor.

Operation Phase: The solid waste generation during the operation phase will be 522.35 Kg per day. The solid waste will be collected by the Adityapur municipal Corporation (AMC).

- **Rain Water Harvesting**

The water from rainwater harvesting pits will be directly sent to the groundwater through recharge pits. The rainwater collected from the rooftop and other paved areas within the project area will be conveyed into the rainwater harvesting system consisting of de-silting-cum-filter chamber, oil & grease separator and recharge pit with bore-well for recharge into the groundwater. The total runoff that needs to be managed is 762m³/hr. Hence, it is proposed to have 7 RWH pits. The Length, width and depth of the recharge pits is 5.0m, 2.2m and 2.5m respectively.

Project cost & Corporate Environmental Responsibility

The estimated cost of the project is Rs. 126.71 Crore. The company intends to spend an amount of Rs. 35 lac approximately in building up infrastructure of a Govt. School along with other developmental works, children education and skill training.

DFO, Saraikela vide letter no. 922, dated - 14.05.18 certified that the distance of notified forest is 8 m from battery point of proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and proposed project is not situated in any Eco Sensitive Zone. Though this project comes under infrastructure category 8 (a) where in general condition is not required, SEAC deliberated that there is a need of buffer zone to be created for better conservation of forest & ecology of the area.

Accordingly, SEAC discussed these issues & PP was asked to submit requisite documents, as under :

- (i) CO certificate regarding class of land of project site as well as approach road (recorded as Jangal Jhari or not) be modified and submitted.
- (ii) Distance from forest boundary is 8 m only & separated by a seasonal Nalla in the project plan and the distance from building plan to the forest boundary is 26 m & 31 m. This intervening area be made as green belt (Buffer zone). For this an undertaking that area will be made a green belt, along with the requisite permission from the concerned DC.
- (iii) Environmental cost should include in the cost for buffer zone plantation.
- (iv) The DG set should be relocated away from forest.

Once the requisite documents / clarifications are submitted to SEAC, it will examine the case.

vi. Barano Sand Deposit of M/s JSMDC Ltd at Vill. : Barano, Dist. : Hazaribagh (5.241 Ha).

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

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

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

Day 2 : May 28 & 29, 2019 [Tuesday & Wednesday]

• Consideration of Proposals

i. Bhowra River Bed Sand Mining Project in Damodar River of M/s JSMDC Ltd. at Vill.-Bhowra, Dist. - Dhanbad (12.00 Ha).

(Proposal No.SIA/JH/MIN/75021/ 2018).

This is a Sand Mining Project with an area of 12.00 Ha [Khata no. - 74, Plot No.- 3146 (P)]. The latitude and longitude of the project site is 23° 41' 21.3" N to 2° 40' 47.2" N and 86° 23' 02.1" E to 86° 23' 04.9" E. The nearest railway station is Bhowra at a distance of 3.6 km in SE direction and the nearest airport is Ranchi at a distance of 114 km in SW direction. Total water requirement is about 3 KLD only for domestic purpose (0.75 KLD), green belt development (0.75 KLD) and water sprinkling (1.5 KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The operation will remain Semi mechanised as well as manual, using tools like shovel, spade, sieve etc. Loading can be done mechanically.

The indicated project cost is Rs 55.15 Lakh for 05 years and a provision of Rs 9.50 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 2,16,000 cum.

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

1 st Year	:	2,12,420 cum
2 nd Year	:	1,69,936 cum
3 rd Year	:	1,69,936 cum
4 th Year	:	1,69,936 cum
5 th Year	:	1,69,936 cum

DFO, Dhanbad vide letter no. 80 C, dated - 04.05.18 certified that the distance of forest is 2950 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Jharia vide letter no. 996, dated - 06.10.18 has mentioned the project is not recorded as "Jangle Jhari" in the Khatiyar Register -II. However in the said certificate plot no. has not been mentioned, so clarification is required.

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 27-30.05.19, the Committee recommends, **(subject to requisite clarification from CO be submitted)** in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF & CC O.M dated 12.12.18 for issuing of TOR for consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in **Annexure II**.

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

ii. **Lohapatti River Bed Sand Mining Project in Damodar River of M/s JSMDC Ltd. at Vill. Lohapatti, Tehsil - Baghmara, Dist. - Dhanbad (16.00 Ha).**

(Proposal No.SIA/JH/MIN/ 75022/2018).

This is a Sand Mining Project with an area of 16.00 Ha [Khata no. 207, Plot No.- 3290 (P)]. The latitude and longitude of the project site is 23° 43' 29.8" N to 23° 43' 08.0" N and 86° 10' 53.2" E to 86° 11' 42.0" E. The nearest railway station is Jamunia Tand at a distance of 3 km in N direction and the nearest airport is Ranchi at a distance of 98 km in SW direction. Total water requirement is about 3 KLD only for domestic purpose (0.75 KLD), green belt development (0.75 KLD) and water sprinkling (1.5 KLD) for dust suppression.

The indicated project cost is Rs 57.05 Lakh for 05 years and a provision of Rs 11.50 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 4,16,000 cum.

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

1 st Year	:	4,07,766 cum
2 nd Year	:	3,26,123 cum
3 rd Year	:	3,26,123 cum
4 th Year	:	3,26,123 cum
5 th Year	:	3,26,123 cum

DFO, Dhanbad vide letter no. 102 C, dated - 29.05.18 certified that the distance of forest is 290 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Baghmara vide letter no. 1159, dated - 26.10.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatyan or 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 meetings held during 27-30.05.19, the Committee recommends in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 for issuing of TOR for consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in **Annexure II**.

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

iii. Nildaha Stone Mine Project of M/s Jamtara Traders at Vill. – Nildaha, Mihijam, Jamtara (5.87 Ha).

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

iv. Bhendra Sand Mining Project on Jamunia River of Sri Pintu Kumar, Vill. : Bhendra, Anchal :Nawadih, Dist. : Bokaro (9.71 Ha).

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

v. Serka Brick Earth Mining of M/s Sadhu Bricks (Prop :Sri Sadhu CharanSahu) at Vill. : Serka, P.O. :Harup, P.S : Bishunpur, Dist. : Gumla (0.64 Ha).

(Proposal No. : SIA/JH/MIN/33626/2019)

This is a Brick Earth Mining with an area of 0.64 Ha [Khata no. : 01&Plot No. :1642 & 1643]. The latitude and longitude of the project site is 23° 22' 48.21" N and 84° 24' 7.77" E The nearest railway station is Lohardaga at a distance of 50 km and the nearest ai port is Ranchi at a distance of 110 km. The mining operation will need 1.50KLD (Potable water 1.00 KLD and Brick Moulding 0.50 KLD) of water which will be drawn from open well located close to lease area. It is proposed to mine 07.50 m³ of clay per day or 187.50 m³ / month or 1500 m³/year. Mine will operate for 8 months in a year & bricks will be moulded & dried on mine site and transported to brick kiln proposed at nearby the lease area. It is estimated that 3000 bricks /day will be made, which works out to 6.00 bricks per annum.

The indicated project cost is Rs12.25 Lakh and a provision of Rs3.70 Lakh has been indicated for Environment management. Budget for CSR is Rs. 15.00 Lakh

With a minerals of soil reserves (resource) of 12,012 m³, the leasehold area will be capable of supplying the brick earth for brick making for around 7.7 say 8 years.

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

Year	Production of Brick clay / soil	Nos of Bricks Proposed
1 st Year	1560 cum	6,00,000

2 nd Year	1560 cum	6,00,000
3 rd Year	1560 cum	6,00,000
4 th Year	1560 cum	6,00,000
5 th Year	1560 cum	6,00,000
Total	7800	30,00,000

DFO, Lohardaga vide letter no. 1398, dated - 09.02.19 certified that the distance of notified forest is 500 m from battery point of proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and proposed project is not situated in any Eco Sensitive Zone.

DMO, Gumla vide memo no. 1183, dated 26.11.18 certified that any other lease is not within 500 m radius from proposed project site.

The CO, Vishunpur vide letter dated -15.01.19 has mentioned the class of land is not recorded as Jangal Jhari in Khatiyani & Register -II, however plot no. of the project site is not mentioned in certificate, besides certificate does not bear letter no. & date, so clarification is needed.

Besides, the DSR of the district has not incorporated the said brick earth mining site, accordingly clarification is required.

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

vi. **Kajra Stone Mine of M/s Vinod Kumar Jain (Partner: Sri Mukesh Kumar Jain and others) at Vill. Kajra, Kamdara, Gumla (2.02 Ha).**

(Proposal No.SIA/JH/MIN/94269/ 2019).

This is a Stone Mining Project with an area of 2.02 Ha [Khata no. 128, Plot No.- 2199 (P)]. The latitude and longitude of the project site is 22° 56' 49.03" N to 22° 56' 54.72" N and 84° 52' 55.97" E to 84° 53' 05.00" E. The nearest railway station is Pokla at a distance of 10 km and the nearest airport is Ranchi at a distance of 75 km . Total water requirement is about 9KLD (Potable : 1 KLD, Dust suppression : 6 KLD, green belt : 2 KLD), will be met by dug well / mine pit water.

The indicated project cost is Rs 1.80 Crore and a provision of Rs 5.90 Lakh has been indicated for Environment management.

The details of mine capacity as per Approved Mining Plan are

Proved Mineral Reserve : 8,75,164 cum
Probable Mineral Reserve : 92,269 cum

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

1st Year : 1,01,750 cum
2nd Year : 1,01,970 cum
3rd Year : 1,02,080 cum
4th Year : 1,02,300 cum
5th Year : 96,930 cum

The daily production as per Form I is 341 m³.

DFO, Gumla vide letter no. 2114, dated - 28.07.18 certified that the distance of notified forest is 1200 m from proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and not proposed project situated in any Eco Sensitive Zone.

The CO, Kamdara vide letter no. 360, dated - 27.10.18 has mentioned the plot no. of the project site is not recorded as Jangal Jhari in R.S. Khatiyani & Register - 2 Gram Sabha documents have been submitted, wherein public supports the proposed project.

In the earlier presentations held on 29-30.04.19 PP was asked to submit a clarification of the concerned DC wherein LOI has been issued but mining site is not included in DSR.

The PP has submitted the required clarification / document from the DC, Gumla (letter no. 471, dated 14.05.19) requesting Member Secretary, SEAC to incorporate the details of the project in DSR.

Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF & CC O.M dated 12.12.18 decided that the proposal for **Kajra Stone Mine of M/s Vinod Kumar Jain (Partner: Sri Mukesh Kumar Jain and others) at Vill. Kajra, Kamdara, Gumla (2.02 Ha)** be recommended for consideration of SEIAA for grant of EC, in the light of DC, Gumla aforesaid letter dated 14.05.19. The various conditions for grant of EC is enclosed as **Annexure - III**.

vii. **Kumhari Stone Mine of M/s Vinod Kumar Jain (Partner: Sri Mukesh Kumar Jain and others) at Vill. Kumhari, Basia, Gumla (2.02 Ha).**

(Proposal No.SIA/JH/MIN/94283/ 2019).

This is a Stone Mining Project with an area of 2.02 Ha [Khata no. 321, Plot No.- 2085 (P)]. The latitude and longitude of the project site is 22° 55' 56.19" N to 22° 56' 00.07" N and 84° 48' 30.97" E to 84° 48' 41.06" E. The nearest railway station is Pokla at a distance of 18 km and the nearest airport is Ranchi at a distance of 75 km. Total water requirement is about 9KLD (Potable : 1 KLD, Dust suppression : 6 KLD, green belt : 2 KLD), will be met by dug well / mine pit water.

The indicated project cost is Rs 1.80 Crore and a provision of Rs 5.90 Lakh has been indicated for Environment management.

The details of mine capacity as per Approved Mining Plan are

Proved Mineral Reserve	:	9,82,514 cum
Probable Mineral Reserve	:	1,02,244 cum

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

1 st Year	:	94,430 cum
2 nd Year	:	92,340 cum
3 rd Year	:	90,060 cum
4 th Year	:	92,340 cum
5 th Year	:	85,500 cum

The daily production as per Form I is 315 m³.

DFO, Gumla vide letter no. 2115, dated - 28.07.18 certified that the distance of notified forest is 2000 m from proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and not proposed project situated in any Eco Sensitive Zone.

The CO, Basia vide letter no. 431 (ii), dated - 25.10.18 has mentioned the class of land is Pahari in R.S. Khatiyani & Register – 2 & not recorded as Jangal Jhari. Gram Sabha documents have been submitted, wherein public supports the proposed project.

In the earlier presentations held on 29-30.04.19 PP was asked to submit a clarification of the concerned DC wherein LOI has been issued but mining site is not included in DSR.

The PP has submitted the required clarification / document from the DC, Gumla (letter no. 471, dated 14.05.19) requesting Member Secretary, SEAC to incorporate the details of the project in DSR.

Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Kumhari Stone Mine of M/s Vinod Kumar Jain (Partner: Sri Mukesh Kumar Jain and others) at Vill. Kumhari, Basia, Gumla (2.02 Ha)** be recommended for consideration of SEIAA for grant of EC, in the light of DC, Gumla aforesaid letter dated 14.05.19. The various conditions for grant of EC is enclosed as **Annexure - III**.

- viii. **Proposed 1x 30 MW Coal based Captive Power Plant within Existing 4.6 MTPA Cement Grinding Unit of M/s Nuvoco Vistas Corporation Ltd at Vill. : Jojobera, P.O. :Rahargora, Dist. : E. Singhbhum.**

(Proposal No. : SIA/JH/TH/20890/2017)

M/s Nuvoco Vistas Corporation Ltd proposes for installing 1x30 MW Coal based Captive Power Plant within existing 4.6 MTPA Cement Grinding Unit at Vill. :Jojobera, P.O. :Rahargora, Dist.: East Singhbhum. Proposed CPP will be established over an area of 7.41 acres which is within the existing total plant area of 122.82 acres& no extra land is required.

As per EIA notification, 2006, this project falls under S. No. 1(d) for CPP under Thermal Power Plant as Category B. Accordingly proposal for ToR for undertaking EIA / EMP study for proposed project was applied to SEIAA, Jharkhand. The proposal was presented before the 51st SEAC meeting held on 17th and 18th January, 2018 and recommended to SEIAA for grant of ToR. The ToR was granted by SEIAA vide letter no. EC/SEIAA/2017-18/2063/2017/70, dated 04.04.2018 and the final EIA & EMP was submitted by PP to SEIAA on 22.04.19. The proposal was forwarded to SEAC by SEIAA on 22.04.2019.

Salient Feature :

1.	Name of the Project	Proposed 1x30 MW Coal based Captive Power Plant within existing 4.6 MTPA Cement Grinding Unit at Village- Jojobera, East Singhbhum.
2.	Name of the company	M/s Nuvoco Vistas Corp. Ltd
3.	Area of plant	7.41 Acres Within existing premises of 122.82 Acres
4.	Location	Plot no. 5758, 5759 (P) and 5762 (P), Vill. : Jojobera, Dist. East Singhbhum Latitude 22° 44'59.47"N to 22° 45'38.15"N and Longitude 86° 14'13.85" E to 86° 15'01.21" E

[Handwritten signatures and initials]

5.	Proposed capacity	1x30 MW Captive Thermal Power Plant
6.	Cost of project	163.28 Crore
7.	Fuel requirement	Indian Coal – 146578 TPA (100% Indian) Imported Coal – 79893 TPA (100% Imported) Fuel mix of above two.
8.	Man Power requirement	Proposed man power for CPP – 43 and contractual workers – 24
9.	Water requirement	606 m ³ /day for CPP Source – JUSCO (within the existing agreement)
10.	Power requirement	2000 KW – start-up power. Power permission from JUSCO.
11.	Nearest Railway Station / Airport along with distance in KMS	Tatanagar Railway Station – 4.0 KM Sonari Airport, Jamshedpur – 12.5 KM Ranchi Airport – 112 KM
12.	Nearest Town, City, District Headquarters along with distance in kms.	Jamshedpur (approx. 9 km in NW direction).

Land use breakup

Sl. No.	Particulars	Area in Acres		Total area in Acres
		Existing	Proposed	
1.	Clinker Grinding Unit	64.36		64.36
2.	CPP	-	7.41	7.41
3.	Greenbelt / Plantation	40.53		40.53
4.	Railway Siding	10.52		10.52
Total				122.82

DCF & Field Director, Elephant Project, Jamshedpur vide letter no. 84, dated - 01.02.18 certified that the distance of notified forest is 10,020 m from battery point of proposed project site & not within 10 km from National Park, Bio-Diversity & Wildlife Sanctuary and proposed project is not situated in any Eco Sensitive Zone. The CO, Jamshedpur vide letter no. 980, dated - 12.04.19 has mentioned the class of land is not recorded as Jangal Jhari in R.S Khatiyon.

The project authorities along with their consultant M/s Visiontek Consultancy Services Pvt. Ltd, Bhubaneshwar gave a detailed presentation on the EIA / EMP Report. SEAC discussed and needs further clarifications on the ToR point-wise replies submitted, these are as under :

- (i) Satisfactory compliance of MoEF site visit report to be provided, authenticated by date & further commitment as a number of quarries are partially complied – (VI)
- (ii) Office order of Environment Management Cell not be provided as per condition- (VII)

- (iii) Public hearing – the replies to point (2) – Educations -- is not clear, the answer should be specific with implementable action plan and time line & realist budget estimate be submitted.
- (iv) The replies to social program in 4 needs more clarity.
- (v) CO report- Thick population resides within 150 m. PP should submit the data on number of families, exact population & their socio economic status be furnished along with impact of expansion project.
- (vi) ToR point - (15) – Topography mentioned as gently undulating, whereas DEM quotes – elevation ranges from 165 – 215 m. AMSL.- Please clarify.
- (vii) ToR point - (17) – A certificate may be necessary from the competent authority that the site is not in any mineralized zone.
- (viii) A copy of MOU of brick manufacturer be submitted.
- (ix) Spillage of Ash has been reported in public hearing comment of villagers, please clarify the zero discharge system. A written commitment from PP is needed.
- (x) ToR point – 24 – The document provided is of March 23rd, 2002. An up to date certificate be submitted specifying the expansion requirement.
- (xi) ToR point – 32 – No data provided on tribal population.
- (xii) ToR point – 51 – Correct selection of plant species be provided & green belt be developed in association with Forest Deptt., as

Once the requisite documents are submitted to SEAC, it will examine the case.

ix. Phulsahari Sand Ghat of M/s JSMDCLtd. at Vill. : Phulsahari, P.O. :Kendghata, Panchayat : Kusumghata, Block & P.S. : Masalia, Dist. : Dumka (4 .00 Ha).

(Proposal No.SIA/JH/MIN/ 35951/2019).

This is a Sand Mining Project with an area of 4.00 Ha [Khata no. 17, Plot No.-120, 166 (P)]. The latitude and longitude of the project site is 24° 4' 17.40" N to 24° 4' 25.78" N and 87° 10' 3.78" E to 87° 10' 32.51" E. The nearest railway station is Kurwa at a distance of 22.86 km in NE direction and the nearest airport is Ranchi at a distance of 205.86 km in NE direction. 15.21 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well and Nunbil River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs239.885 Lakh and a provision of Rs7.09 Lakh has been indicated for Environment management.

The proposed estimated mineral resource is 63,498 cum.

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

1 st Year	:	31,749 cum
2 nd Year	:	31,749 cum
3 rd Year	:	31,749 cum
4 th Year	:	31,749 cum
5 th Year	:	31,749 cum

The daily production as per mine plan is 158.75 cum.

DFO, Wildlife, Hazaribagh vide letter no. 833, dated - 07.05.19 certified that the distance of Parasnath Wildlife Sanctuary is 95000 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

(Handwritten signatures and initials)

DFO, Dumka vide letter no. 1642, dated - 08.05.19 certified that the distance of notified forest is 348 m from project site.

The CO, Maslia vide letter no. 215, dated - 25.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II .

DMO, Dumka vide memo no. 542, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Phulsahari Sand Ghat of M/s JSMDC Ltd. at Vill. : Phulsahari, P.O. :Kendghata, Panchayat : Kusumghata, Block & P.S. : Masalia, Dist. : Dumka (4 .00 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- x. **Kusumghata Sand Mine of M/s JSMDC Ltd. at Vill. : Kusumghata, P.S. :Tongra, Dist. : Dumka (4.25 ha).**
(Proposal No.SIA/JH/MIN/ 35964/2019).

This is a Sand Mining Project with an area of 4.25 Ha [Khata no. 97, Plot No.- 1746 (P), 1222 (P)]. The latitude and longitude of the project site is 24° 4' 0.72" N to 24° 3' 59.51" N and 87° 10' 39.86" E to 87° 10' 55.02" E. The nearest railway station is Kurwa at a distance of 23 km in NE direction and the nearest airport is Ranchi at a distance of 206 km in NE direction. 6.27 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well and Nunbil River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 239.84 Lakh and a provision of Rs5.92 Lakh has been indicated for Environment management.

The proposed estimated mineral resource is 51696 cum.

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

1 st Year	:	25,848 cum
2 nd Year	:	25,848 cum
3 rd Year	:	25,848 cum
4 th Year	:	25,848 cum
5 th Year	:	25,848 cum

The daily production as per mine plan is 129.24 cum.

DFO, Wildlife, Hazaribagh vide letter no. 834, dated - 07.05.19 certified that the distance of Parasnath Wildlife Sanctuary is 97000 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, Dumka vide letter no. 1643, dated - 08.05.19 certified that the distance of notified forest is 370 m from project site.

The CO, Maslia vide letter no. 215, dated - 25.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II .

DMO, Dumka vide memo no 543, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Kusumghata Sand Mine of M/s JSMDC Ltd. at Vill. : Kusumghata, P.S. : Tongra, Dist. : Dumka (4.25 ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xi. **Jugtopa Sand mining on Jayanti River of M/s JSMDC Ltd., at Mouza :Jugtopa, P.S : Karaon, Dist :Deoghar, (3.64 Ha).**

(Proposal No.SIA/JH/MIN/4802/2019).

This is a Sand Mining Project with an area of 3.64 Ha (Mining Area 2.2 Ha or 5.43Acre) [Mouza-Jugtopa, Mouza No.561,Plot No.-159(P)]. The latitude and longitude of the project site is 24°12' 15.5" N to 24° 12' 06.3"N and 86° 40' 26.7" to 86° 40' 44.9"E. The nearest railway station is KJoramow Railway Station at a distance of 2.7 km and the nearest airport is Deoghar at a distance of 27.1 km. Water will be required 1.5 KLD only for domestic purpose (0.75KLD), green belt development (0.25 KLD) and water sprinkling (0.5 KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The Method of mining will be semi mechanized open cast method by use of poclair, payloader, tipper and transported through trucks and tippers.

The indicated project cost is Rs 53.15 Lakh for 05 years and a provision of Rs 9.75 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 52414 cum.

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

1 st	52414 Cum
2 nd	41931 Cum
3 rd	41931 Cum
4 th	41931 Cum
5 th	41931 Cum

DFO, Deoghar vide letter no. 771, dated – 30.03.2019 certified that the distance of forest is 1200 m from project site and DFO, Wildlife Hazaribagh vide letter no. 929, dated – 20.05.19 certified that the distance of protect area is 55,000 m ¬ within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, vide letter no. 75, dated – 18.02.2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyon or Register -II .

DMO, Deoghar vide memo no. 356, dated 10.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Jugtopa Sand mining on Jayanti River of M/s JSMDC Ltd., at Mouza : Jugtopa, P.S : Karaon, Dist : Deoghar, (3.64 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xii. **Tetariyatnr Sand mining on Jayanti River of M/s JSMDC Ltd., at Mouza- Tetariyatnr, P.S-Karaon, Dist- Deoghar (Total M.L. area 4.82 Ha or 11.91 Acre, Mining Area 3.5 Ha or 8.65 Acre).**

(Proposal No.SIA/JH/MIN/34873/2019).

This is a Sand Mining Project with an area of 4.82 Ha [Mouza- Tetariyatnr, Mouza No.590, Plot No.- 1(P) ,181(P)]. The latitude and longitude of the project site is 24°11' 59.9" N to 24° 11' 57.6"N and 86° 41' 15.9" to 86° 41' 43.5"E. The nearest railway station is Jaramow Railway Station at a distance of 1.1 km in East direction and the nearest airport is Deoghar at a distance of 27.3 km in North West direction. Water will be required 2KLD only for domestic purpose (0.75KLD), green belt development (0.63KLD) and water sprinkling (0.62KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The Method of mining will be semi mechanized open cast method by use of poclain, payloader, tipper and transported through trucks and tippers.

The indicated project cost is Rs 54.55 Lakh for 05 years and a provision of Rs 9.75 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 84386 cum.

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

1 st	84368 Cum
2 nd	67495 Cum
3 rd	67495 Cum
4 th	67495 Cum
5 th	67495 Cum

DFO, Deoghar vide letter no. 771, dated – 30.03.2019 certified that the distance of forest is 505 m from project site and DFO, Wildlife Hazaribagh vide letter no. 931, dated – 20.05.19 certified that the distance of protect area is 56,000 m & not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, vide letter no. 75, dated – 18.02.2019 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyar or Register -II .

DMO, Dumka vide memo no. 361, dated 10.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Tetariyatnr Sand mining on Jayanti River of M/s JSMDC Ltd.,**

at Mouza- Tetariyatanr, P.S-Karaon, Dist- Deoghar(Total M.L. area 4.82 Ha or 11.91 Acre, Mining Area 3.5 Ha or 8.65 Acre) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - IV.

xiii. **Biree Sand Mining Project in Sankh River of M/s JSMDC Ltd. at Vill.- Biree, Dist. – Gumla (4.00 Ha).**

(Proposal No.- SIA/JH/MIN/34695/2019).

This is a Sand Mining Project with an area of 4.00 Ha [Plot No.- 760 (P)]. The latitude and longitude of the project site is 23°10'21.49" N to 23°10'19.84" N & 84°10'25.10" E to 84°10'25.09" E. The nearest railway station is Lohardaga at a distance of 62 km and the nearest airport is Ranchi at a distance of 118.63 km. Total water requirement is about 8.25 KLD only for domestic purpose (0.75 KLD), green belt development (4.00 KLD) and dust suppression (3.5 KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The operation will remain Semi mechanised as well as manual, using tools like shovel, spade, sieve etc. Loading can be done mechanically.

The indicated project cost is Rs 13.40 Lakh and a provision of Rs 11.80 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 56,868 cum.

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

1 st Year	:	45,494 cum
2 nd Year	:	45,494 cum
3 rd Year	:	45,494 cum
4 th Year	:	45,494 cum
5 th Year	:	45,494 cum

DFO, Gumla vide letter no. 798, dated –19/03/2019 certified that the distance of forest is 2000 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Dumri vide letter no. 90, dated –16/09/2019 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyar or Register -II .

DMO, Gumla vide memo no. 547, dated 28.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Biree Sand Mining Project in Sankh River of M/s JSMDC Ltd. at Vill.-Biree, Dist. – Gumla (4.00 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - IV.

xiv. **Keradih Sand Mining Project in Sankh River of M/s JSMDC Ltd. at Vill.-Keradih, Dist. – Gumla (4.10 Ha).**

(Proposal No.- SIA/JH/MIN/34693/2019).

This is a Sand Mining Project with an area of 4.10 Ha [Plot No.- 1896(P)]. The latitude and longitude of the project site is 22°59'12.11" N to 22°59'10.56" N & 84°22'06.63" E to 84°22'06.67"

E. The nearest railway station is Pokla at a distance of 60 km and the nearest airport is Ranchi at a distance of 105 km. Total water requirement is about 6.00 KLD only for domestic purpose (1.5 KLD), green belt development (1.5 KLD) and dust suppression (3.0 KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The operation will remain Semi mechanised as well as manual, using tools like shovel, spade, sieve etc. Loading can be done mechanically.

The indicated project cost is Rs 11.05 Lakh and a provision of Rs 14.87 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 45,288 cum.

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

1 st Year	:	36,230 cum
2 nd Year	:	36,230 cum
3 rd Year	:	36,230 cum
4 th Year	:	36,230 cum
5 th Year	:	36,230 cum

DFO, Gumla vide letter no. 798, dated -19/03/2019 certified that the distance of forest is 3000 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, Raidih vide letter no. 117, dated -18/03/2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II .

DMO, Gumla vide memo no. 546, dated 28.05.19 certified that any other lease is not within 500 m radius from proposed project site.

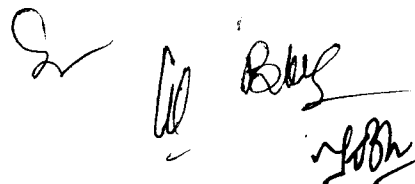
Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Keradih Sand Mining Project in Sankh River of M/s JSMDCLtd. at Vill.-Keradih, Dist. - Gumla (4.10 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xv. **Raniganj Sand mining on Ajay River of M/s JSMDCLtd. at Mouza- Raniganj, P.S-Sarath, Dist- Deoghar (3.63 Ha).**

(Proposal No.SIA/JH/MIN/34798/2019).

This is a Sand Mining Project with an area of 3.63 Ha [Mouza- Raniganj, Mouza No.130,Plot No.- 369(P)]. The latitude and longitude of the project site is 24°15' 14.0" N to 24° 15' 04.0"N and 86° 49' 50.3" to 86° 49' 54.6"E. The nearest railway station is Jaramow Railway Station at a distance of 13.8 km in East direction and the nearest airport is Deoghar at a distance of 24.4 km in North West direction. Water will be required 1.0KLD only for domestic purpose (0.50KLD), green belt development (0.25KLD) and water sprinkling (0.25KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The Method of mining will be semi mechanized open cast method by use of poclair, payloader, tipper and transported through trucks and tippers.





The indicated project cost is Rs 53.15 Lakh for 05 years and a provision of Rs 9.75 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 59534 cum.

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

1 st	59534 Cum
2 nd	47627 Cum
3 rd	47627 Cum
4 th	47627 Cum
5 th	47627 Cum

DFO, Deoghar vide letter no. 771, dated – 30.03.2019 certified that the distance of forest is 405 m from project site and DFO, Wildlife Hazaribagh vide letter no. 933, dated – 20.05.19 certified that the distance of protect area is 71,000 m & not within 10 km from National Park, Bio-Diversity & Sanctuary.

The CO, vide letter no. 370, dated – 19.03.2019 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyar or Register –II.

DMO, Deoghar vide memo no. 358, dated 10.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Raniganj Sand mining on Ajay River of M/s JSMDC Ltd. at Mouza- Raniganj, P.S-Sarath, Dist- Deoghar (Total M.L.area 3.63 Ha or 8.97Acre, Mining Area 2.4 Ha or 5.93Acre)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xvi. **Lathbedwa Sand Ghatin the river bed Barakar of M/s JSMDC Ltd. at Village- Lathbedwa, Tehsil & P.S- Jainagar, Dist. : Koderma (4.0 Ha).**
(Proposal No.SIA/JH/MIN/35414/2019).

This is a Sand Mining Project with an area of 4.00 Ha [Khata No.- 27, Plot No.- 1006]. The latitude and longitude of the project site is 24° 19' 53.47"to 24° 19' 50.43"and 85° 38' 24.92 " to 85° 38' 25.52".The nearest railway station is Hirodih at a distance of 7.5 km in E direction and the nearest airport is Gaya at a distance of 85 km in NW direction. 1.5 KLD water will be used for drinking purpose and dust suppression on ‘Kacha’ haul road, sourced from tube well and Barakhar River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 33.5 Lakh and a provision of Rs 0.75 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,00,000cum.

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

1st Year : 58735 cum
2nd Year : 46988 cum

3 rd Year	:	46988 cum
4 th Year	:	46988 cum
5 th Year	:	46988 cum

The daily production as per mine plan is 293.67 cum for 1st year & 234.94 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 925, dated - 20.05.19 certified that the distance of Notified Protected Area is 16800 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, Koderma vide letter no. 1848, dated - 20.05.19 certified that the distance of notified forest is 600 m from project site.

The CO, Jainagar letter no. 292, dated - 24.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyan or Register -II .

DMO, Koderma vide memo no. 582, dated 25.04.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Lathbedwa Sand Ghat of M/s JSMDL Ltd. at Village- Lathbedwa, Tehsil & P.S- Jainagar, Dist. : Koderma (4.0 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xvii. **Parsabad Sand Ghat in the river bed of Barakar of M/s JSMDL Ltd. at Village- Parsabad, Panchayat- Gadgi, Tehsil & P.S- Jainagar, Dist. : Koderma (4.5 Ha).**

(Proposal No.SIA/JH/MIN/35436/2019).

This is a Sand Mining Project with an area of 4.5 Ha [Khata No.- 112, Plot No.- 1458]. The latitude and longitude of the project site is 24° 17' 45.55' to 24° 17' 44.52" and 85° 43' 55.39 " to 85° 43' 53.90". The nearest railway station is Parsabad at a distance of 2.20 km in E direction and the nearest airport is Gaya at a distance of 95 km in NW direction. 1.5 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well and Barakhar River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 37.5 Lakh and a provision of Rs 7.65 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,12,500cum.

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

1 st Year	:	65024.00 cum
2 nd Year	:	52019.2 cum
3 rd Year	:	52019.2 cum
4 th Year	:	52019.2 cum
5 th Year	:	52019.2 cum

The daily production as per mine plan is 325.12 cum for 1st year & 260.0 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 924, dated - 20.05.19 certified that the distance of Notified Protected Area is 22500 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, Koderma vide letter no. 1847, dated - 20.05.19 certified that the distance of notified forest is 800 m from project site.

The CO, Jainagar letter no. 294, dated - 24.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II .

DMO, Koderma vide memo no. 580, dated 25.04.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Parsabad Sand Ghatin the river bed of Barakar of M/s JSMDCLtd. at Village- Parsabad, Panchayat- Gadgi, Tehsil & P.S- Jainagar, Dist. : Koderma (4.5 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xviii. **Bhartidih Sand Mining on Pathro River of M/s JSMDCLtd. at Village- Bhartidih, Dist. :Deoghar (4.65 Ha).**

(Proposal No.SIA/JH/MIN/34840/2019).

This is a Sand Mining Project with an area of 4.65 Ha [Plot No.-182 (P)]. The latitude and longitude of the project site is 24° 21' 02.6' ' N to 24° 20' 50.1" N and 86° 34' 26.3 "E to 86° 34' 33.8".The nearest railway station is Joramow at a distance of 2.7 km in E direction and the nearest airport is Deoghar at a distance of 16.4 km in NE direction. Water will be required 2 KLD only for domestic purpose (0.75 KLD), green belt development (0.25 KLD) and water sprinkling (0.5 KLD) for dust suppression. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs53.23 Lakh for 5 years.

The proposed estimated mineral reserve is 83200cum.

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

1 st Year	:	79387 cum
2 nd Year	:	63510 cum
3 rd Year	:	63510cum
4 th Year	:	63510 cum
5 th Year	:	63510 cum

In Form-I the river mentioned is Pathro, whereas in PFR it is mentioned as Jayanti, it is erroneous statement.

DFO, Wildlife, Hazaribagh vide letter no. 932, dated - 20.05.19 certified that the distance of Notified Protected Area is 57,000 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 CO, Devipur letter no. 211, dated -19.03.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II .

DMO, Deoghar vide memo no. 580, dated 25.04.19 certified that any other lease is not within 500 m radius from proposed project site.

DFO, Deoghar vide letter no. 771, dated - 30.03.19 certified that the distance of notified forest is 230 m from project site.

As per the provisions contained in guidelines approved by SEIAA regarding minimum distance of project site from notified forest, the EC should not be granted.

Hence, the Committee does not recommend issuing of EC for the case.

xix. **Ghorighat Sand Ghat in the river bed of Morhar of M/s JSMDC Ltd. at Village- Ghorighat, Tehsil- Hunterganj, Dist. : Chatra (3.24 Ha).**

(Proposal No.SIA/JH/MIN/35240/2019).

This is a Sand Mining Project with an area of 3.24 Ha [Plot No.- 03]. The latitude and longitude of the project site is 24° 22' 41.49" N to 24° 22' 38.61" N and 84°31'54.36" E to 84°31'54.19"E. The nearest railway station is Gaya at a distance of 48.0 km in NE direction and the nearest airport is Ranchi at a distance of 142 km in SE direction. 1.5 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well and Morhar River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 33.5 Lakh and a provision of Rs 7.5 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 81000cum.

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

1 st Year	:	49052.7 cum
2 nd Year	:	39242.16 cum
3 rd Year	:	39242.16 cum
4 th Year	:	39242.16 cum
5 th Year	:	39242.16 cum

The daily production as per mine plan is 245.26 cum for 1st year & 196.2 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 846, dated - 10.05.19 certified that the distance of Lawalong Wildlife Sanctuary is 28700 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary and proposed project is not situated in any ESZ.

DFO, Chatra North vide letter no. 1355, dated - 14.05.19 certified that the distance of notified forest is 855 m from project site.

The CO, Pratappur letter no. 111, dated - 13.03.19 has mentioned the plot no. of the project is recorded as "Nadi" in the R.S. Khatiyā – a clarification is required as to whether it is Jangle Jhari or not.

DMO, Chatra vide memo no: 796, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Ghorighat Sand Ghat in the river bed of Morhar of M/s JSMDC Ltd. at Village- Ghorighat, Tehsil- Hunterganj, Dist. : Chatra (3.24 Ha)** be recommended for consideration of SEIAA for grant of EC. **provided** requisite **clarification** from CO is **submitted** to SEIAA. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xx. **Navatand Sand Deposit in the river bed of Badmahi of M/s JSMDC Ltd. at Village-Navatand, Thana- Barkagaon, Dist. : Hazaribagh (4.14 Ha).**
(Proposal No.SIA/JH/MIN/36158/2019).

This is a Sand Mining Project with an area of 4.14 Ha [Plot No.- 01]. The latitude and longitude of the project site is 23° 49' 07.10" N to 23° 49' 12.68" N and 85°15'17.32" E to 85°15'35.64" E. The nearest railway station is Mandu at a distance of 19 km in NE direction and the nearest airport is Gayaat a distance of 107 km in NW direction. 3.00 KLD of water will be required. This water will be supplied from the nearby village through tankers. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs41.54 Lakh for 5 years and a provision of Rs3.39 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,24,545.93cum.

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

1 st Year	:	1,24,545.93cum
2 nd Year	:	1,24,545.93cum
3 rd Year	:	1,24,545.93cum
4 th Year	:	1,24,545.93cum
5 th Year	:	1,24,545.93cum

The daily production as per Form-I is 622.72 cum.

DFO, Wildlife, Hazaribagh vide letter no. 937, dated - 20.05.19 certified that the distance of Notified Protected Area is 25000 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, Hazaribagh vide letter no. 1788, dated - 11.04.19 certified that the distance of notified forest is 1287 m from project site.

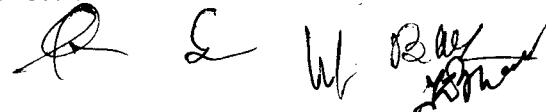
The CO, Bakdagaon letter no. 223, dated - 16.03.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register -II .

DMO, Hazaribagh vide memo no. 541, dated 13.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Navatand Sand Deposit in the river bed of Badmahiof M/s JSMDC Ltd. at Village- Navatand, Thana- Barkagaon, Dist. : Hazaribagh (4.14 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xxi. **Dhobiyapahari Sand Deposit in the river bed of Barakar of M/s JSMDC Ltd. at Village-Dhobiyapahari, Thana- Barhi, Dist. : Hazaribagh (4.78 Ha).**
(Proposal No.SIA/JH/MIN/35833/2019).

This is a Sand Mining Project with an area of 4.78 Ha [Plot No.- 01]. The latitude and longitude of the project site is 24° 19' 55 67" N to 24° 20' 7.44" N and 85°35'12.05" E to 85°35'40.79" E. The nearest railway station is Hirudih at a distance of 17 km in N direction and the nearest airport is



Gaya at a distance of 80 km in NW direction. 3.00 KLD of water will be required. This water will be supplied from the nearby village through tankers. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 64.92 Lakh for 5 years and a provision of Rs 1.80 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 98564.04cum.

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

1 st Year	:	58161.18cum
2 nd Year	:	58161.18cum
3 rd Year	:	58161.18cum
4 th Year	:	58161.18cum
5 th Year	:	58161.18cum

The daily production as per Form-I is 290.80 cum.

DFO, Wildlife, Hazaribagh vide letter no. 938, dated - 20.05.19 certified that the distance of Notified Protected Area is 21000 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 CO, Barhi letter no. 217, dated - 29.03.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the R.S Khatiyon or Register -II.

DMO, Hazaribagh vide memo no. 542, dated 13.05.19 certified that any other lease is not within 500 m radius from proposed project site.

DFO, Hazaribagh vide letter no. 1769, dated - 11.04.19 certified that the proposal is linear stretch of river bed extending from 24° 19' 58.2" N , 85°35'28.2" E to 24° 19' 58.2" N , 85°35'28.2" E the distance from the nearest point i.e. from 24° 20' 06.3" N , 85°35'14.0" E is 10 m and the distance of forest from farthest point i.e. 24° 19' 58.2" N , 85°35'28.2" E is 500 m from project site.

As per the provisions contained in guidelines approved by SEIAA regarding minimum distance of project site from notified forest, EC could not be granted.

Hence, the Committee does not recommend issuing of EC for the case.

xxii. **Basatpur & Maljhar sand mining on Ajay River of M/s JSMDC Ltd at Mouza- Basatpur & Maljhar, P.S- Deoghar, Dist- Deoghar (4.57 Ha).**

(Proposal No.SIA/JH/MIN/34822/2019).

This is a Sand Mining Project with an area of 4.57 Ha [Mouza- Basatpur & Maljhar, Mouza No.146 &147, Plot No.- 383(P) ,145(P) respectively]. The latitude and longitude of the project site is 24°28' 22.6" N to 24° 28' 08.6"N and 86° 36' 29.4"E to 86° 36' 15.5"E. The nearest railway station is Kumrabad Rohini Rly Station at a distance of 4 km in East direction and the nearest airport is Deoghar at a distance of 9.5 km in SE direction. Water will be required 1KLD only for domestic purpose (0.5KLD) green belt development (0.25KLD) and water sprinkling (0.25KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The Method of mining will be semi mechanized open cast method.

4

The indicated project cost is Rs 54.55 Lakh for 05 years and a provision of Rs 9.75 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 94524 cum.

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

1 st	94524 Cu.m
2 nd	75619 Cum
3 rd	75619 Cum
4 th	75619 Cum
5 th	75619 Cum

DFO, Wildlife, Hazaribagh vide letter no. 935 & 936, dated - 20.05.19 certified that the distance of Notified Protected Area is 69000 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 CO, vide letter no. 5857, dated 23.03.2019 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register -II.

DMO, Deoghar vide memo no. 359, dated 10.05.19 certified that any other lease is not within 500 m radius from proposed project site.

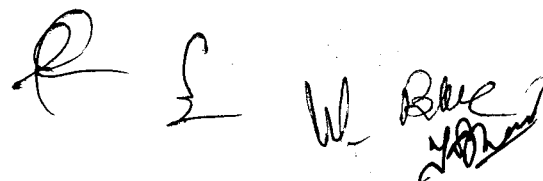
DFO, Deoghar vide letter no. 771 dated -30.03.2019 certified that the distance of forest is Basatpur 320 m & Bhaljhar 310 m from plot no. 383 of project site, however in the said certificate plot no. 145 has not been mentioned.

PP was asked to submit concerned DFO certificate regarding distance of forest from plot no. 145 of proposed project site.

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 **Basatpur & Maljhar sand mining on Ajay River of M/s JSMDC Ltd at Mouza- Basatpur & Maljhar, P.S- Deoghar, Dist- Deoghar (4.57 Ha)** be recommended for consideration of SEIAA for grant of EC, provided requisite certificate from DFO, Deoghar be submitted to SEIAA. The various conditions for grant of EC is enclosed as **Annexure - IV**.

- xxiii. **Garhkedli (Nawadih) Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Garhkedli&Nawadih, Tehsil- Hunterganj, Dist. : Chatra (4.24 Ha).**
(Proposal No.SIA/JH/MIN/35231/2019).

This is a Sand Mining Project with an area of 4.24 Ha [Garhkedli Khata no. 25, Plot No.- 01 & Nawadih Khata no. 52, Plot no. 275]. The latitude and longitude of the project site is 24° 26' 11.42" to 24° 26' 15.51" and 84° 49' 19.24" to 84° 49' 18.32". The nearest railway station is Gaya at a distance of 50.0 km in N direction and the nearest airport is Ranchi at a distance of 177 km in SE direction. 1.5 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well. Semi mechanized method of mining will be adopted.



The indicated project cost is Rs 37.5 Lakh and a provision of Rs 7.5 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,18,720cum.

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

1 st Year	:	71,067.66 cum
2 nd Year	:	56854.12 cum
3 rd Year	:	56854.12 cum
4 th Year	:	56854.12 cum
5 th Year	:	56854.12 cum

The daily production as per mine plan is 355.33 cum for 1st year & 284.27 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 849, dated - 10.05.19 certified that the distance of Lawalong Wildlife Sanctuary is 29300 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 CO, Hunterganj letter no. 319, dated - 10.05.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register -II.

DMO, Chatra vide memo no. 793, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

DFO, ChatraNorth vide letter no. 1349, dated - 11.05.19 certified that the distance of notified forest is 365 m from project site, but plot nos. & proposed project site are not mentioned in certificate, so clarification is required.

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 **Garhkedli (Nawadih) Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Garhkedli & Nawadih, Tehsil- Hunterganj, Dist. : Chatra (4.24 Ha)** be recommended for consideration of SEIAA for grant of EC, provided requisite certificate from DFO, Chatra be submitted to SEIAA. The various conditions for grant of EC is enclosed as Annexure - IV.

xxiv. **Banki Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Banki, Panchayat- Karma, Tehsil- Hunterganj, Dist. : Chatra (3.74 Ha).**

(Proposal No.SIA/JH/MIN/35135/2019).

This is a Sand Mining Project with an area of 3.74 Ha [Khata no. 13, Plot No.- 01]. The latitude and longitude of the project site is 24°24'36.02"N to 24°24'38.22"N and 84°48'46.52"E to 84°48'46.35"E. The nearest railway station is Paharpur at a distance of 34.5 km in NE direction and the nearest airport is Ranchi at a distance of 167 km in SE direction. 1.5 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 33.5 Lakh and a provision of Rs 7.5 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,04,812.76cum.

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

1 st Year	:	60,359.48 cum
2 nd Year	:	48287.58 cum
3 rd Year	:	48287.58 cum
4 th Year	:	48287.58 cum
5 th Year	:	48287.58 cum

The daily production as per mine plan is 301.79 cum for 1st year & 241.44 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 848, dated - 10.05.19 certified that the distance of Lawalong Wildlife Sanctuary is 25000 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 CO, Hunterganj letter no. 29, dated - 11.01.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyon or Register -II.

DMO, Chatra vide memo no. 795, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

DFO, Chatra vide letter no. 1348, dated - 11.05.19 certified that the distance of notified forest is 340 m from project site, but plot nos. & proposed project site are not mentioned in certificate, so clarification is required.

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 **Banki Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Banki, Panchayat- Karma, Tehsil- Hunterganj, Dist. : Chatra (3.74 Ha)** be recommended for consideration of SEIAA for grant of EC, provided requisite certificate from DFO, Chatra be submitted to SEIAA. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xxv. **Lohsigna Khurd Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Lohsigna Khurd, Tehsil- Hunterganj, Dist. : Chatra (4.13 Ha).**
(Proposal No.SIA/JH/MIN/35241/2019).

This is a Sand Mining Project with an area of 4.13 Ha [Khata No.- 01, Plot No.- 01]. The latitude and longitude of the project site is 24° 21' 7.25" to 24° 21' 8.37" and 84° 48' 3.79" to 84° 48' 0.03". The nearest railway station is Gaya at a distance of 63.0 km in N direction and the nearest airport is Ranchi at a distance of 167 km in SE direction. 1.5 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 37.5 Lakh and a provision of Rs 7.5 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 1,15,640cum.

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

1 st Year	:	70067.14 cum
2 nd Year	:	56053.71 cum
3 rd Year	:	56053.71 cum
4 th Year	:	56053.71 cum
5 th Year	:	56053.71 cum

The daily production as per mine plan is 350.33 cum for 1st year & 280.26 cum for next 4 years.

DFO, Wildlife, Hazaribagh vide letter no. 847, dated - 10.05.19 certified that the distance of Lawalong Wildlife Sanctuary is 18500 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 CO, Hunterganj letter no. 285, dated - 12.04.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyar or Register -II.

DMO, Chatra vide memo no. 794, dated 09.05.19 certified that any other lease is not within 500 m radius from proposed project site.

DFO, North Chatra vide letter no. 1347, dated - 11.05.19 certified that the distance of notified forest is 350 m from project site, but DFO signature, plot nos. & proposed project site are not mentioned in certificate, so clarification is required.

The PP has submitted a request letter no. 867, dated 30.05.19 enclosing the DFO letter no. 1347, dated 11.05.19 signed by the DFO, Chatra North Division.

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 **Lohsigna Khurd Sand Ghat in the river bed of Lilajan River of M/s JSMDC Ltd. at Village- Lohsigna Khurd, Tehsil- Hunterganj, Dist. : Chatra (4.13 Ha)** be recommended for consideration of SEIAA for grant of EC, provided requisite certificate from DFO, Chatra be submitted to SEIAA. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xxvi. **Pandaniya Sand mining on Jayanti River of M/s JSMDC Ltd at Mouza- Pandaniya, P.S - Margomunda, Dist- Deoghar (3.89 Ha).**

(Proposal No.SIA/JH/MIN/34774/2019).

This is a Sand Mining Project with an area of 3.89 Ha [Mouza- Pandaniya, Mouza No.485, Plot No.- 2995P&1639(P)]. The latitude and longitude of the project site is 24°12' 45.7" N to 24° 12' 49.0"N and 86° 27' 26.9" to 86° 37' 55.6"E. The nearest railway station is Madhupur Railway Station at a distance of 6.6 km in North direction and the nearest airport is Deoghar at a distance of 26.6 km in North direction. Water will be required 2KLD only for domestic purpose (0.75KLD), green belt development (0.63KLD) and water sprinkling (0.62KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The Method of mining will be semi mechanized open cast .

The indicated project cost is Rs 54.55 Lakh for 05 years and a provision of Rs 9.75 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 91000cum.

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

1 st Year	:	26060 cu.m
2 nd Year	:	20848 cum
3 rd Year	:	20848 cum
4 th Year	:	20848 cum
5 th Year	:	20848 cum

[Handwritten signatures and initials]

DFO, Wildlife, Hazaribagh vide letter no. 934, dated - 20.05.19 certified that the distance of Notified Protected Area is 51000 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, vide letter no. 771, dated - 30.03.19 certified that the distance of forest is 1500 m from project site .

The CO, Margomunda vide letter no.52, dated – 21.02.2019 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyān or Register -II .

DMO, Deoghar vide memo no. 360, dated 10.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Pandaniya Sand mining on Jayanti River of M/s JSMDC Ltd at Mouza- Pandaniya, P.S - Margomunda, Dist- Deoghar (3.89 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xxvii. **Larango Sand Mining Project in South Koel River of M/s JSMDC Ltd. at Vill.-Larango, Dist. – Gumla (4.80 Ha).**

(Proposal No.- SIA/JH/MIN/34685/2019).

This is a Sand Mining Project with an area of 4.80 Ha [Plot No.- 01 (P)]. The latitude and longitude of the project site is 23°18' 21.55" N to 23° 18' 20.81"N and 84° 37' 01.33" E to 84° 37' 02.56"E. The nearest railway station is Lohardaga at a distance of 18 km and the nearest airport is Ranchi at a distance of 72 km. Total water requirement is about 5.50 KLD only for domestic purpose (1.0 KLD), green belt development (1.5 KLD) and dust suppression (3.0 KLD) for dust suppression. Most of the required water will be carried out from river water / nearby village wells. The operation will remain Semi mechanised as well as manual, using tools like shovel, spade, sieve etc. Loading can be done mechanically.

The indicated project cost is Rs 11.05 Lakh for 05 years and a provision of Rs15.26 Lakh has been indicated for Environment management for 05 years.

The proposed estimated mineral reserve is 96,048 cum.

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

1 st Year	:	35,194 cum
2 nd Year	:	35,194 cum
3 rd Year	:	35,194 cum
4 th Year	:	35,194 cum
5 th Year	:	35,194 cum

DFO, Gumla vide letter no. 798, dated –19/03/2019 certified that the distance of forest is 600 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Sisai vide letter no. 297, dated –11/05/2019 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in the Khatiyān or Register -II .

DMO, Gumla vide memo no. 545, dated 28.05.19 certified that any other lease is not within 500 m radius from proposed project site.

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 **Larango Sand Mining Project in South Koel River of M/s JSMDCLtd. at Vill.-Larango, Dist. – Gumla (4.80 Ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - IV**.

xxviii. **Soro (Jorgodih) Sand Ghat of M/s JSMDCLtd. at Village- Soro (Jorgodih), Tehsil & P.S- Ichagarh, Dist. : Saraikela- Kharsawan (4.90 Ha).**

(Proposal No.SIA/JH/MIN/36779/2019).

This is a Sand Mining Project with an area of 4.9 Ha [Khata No.- 700, Plot No.- 2106 (P)]. The latitude and longitude of the project site is 23°07'37.61"N to 23°07'37.06"N and 85°54'41.93"E to 85°54'47.24"E. The nearest railway station is Sirkadih at a distance of 5.0 km in NW direction and the nearest airport is Ranchi at a distance of 70 km in NW direction. 3.0 KLD water will be used for drinking purpose and dust suppression on 'Kacha' haul road, sourced from tube well and Suvernrekha River. Semi mechanized method of mining will be adopted.

The indicated project cost is Rs 48.5 Lakh and a provision of Rs 3.55 Lakh has been indicated for Environment management.

The proposed estimated mineral reserve is 96,048 cum.

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

1 st Year	:	74065.75 cum
2 nd Year	:	59252.6 cum
3 rd Year	:	59252.6 cum
4 th Year	:	59252.6 cum
5 th Year	:	59252.6 cum

The daily production as per mine plan is 370.32 cum for 1st year & 296.26 cum for next 4 years.

DFO, Wildlife, Elephant Project Jamsedpur vide letter no. 20190524, dated - 24.05.19 certified that the distance of Notified forest Land is at 250 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, Saraikela vide letter no. 1072, dated - 23.05.19 certified that the distance of notified forest is 290 m from project site.

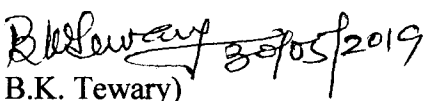
The CO, Ichagarh letter no. 337, dated - 17.05.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register -II .

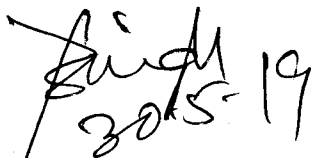
DMO, Saraikela vide memo no. 337, dated 24.05.19 certified that any other lease is not within 500 m radius from proposed project site.

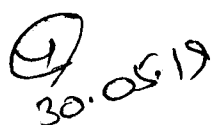
Based on the presentation made and information provided, the Committee in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF& CC O.M dated 12.12.18 decided that the proposal for **Soro (Jorgodih) Sand Ghat of M/s JSMDCLtd. at Village- Soro (Jorgodih), Tehsil & P.S- Ichagarh, Dist. : Saraikela- Kharsawan (4.90 Ha)** be recommended

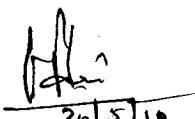
for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as Annexure - IV.

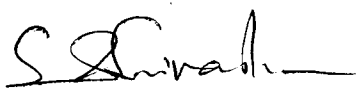
The meeting concluded with thanks to all present.

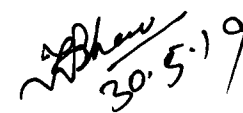

(Dr. B.K. Tewary)
Member


(Y.K. Singh)
Member


(Om Prakash)
Member Secretary


(Dr. V.P. Sinha)
Member


(S.P. Srivastava)
Member


(K.P. Bhawsinka)
Chairman

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

Specific condition :

1. Details of majors taken to control the emission of VOC and other toxicions to be provided with details of pollution control majors to prevent spillage of MSW during transportation, handling, storage processing, leaching into sub soil and final disposal of Ash from Thermal Power Stations (Boiler).
2. EIA should provide elaborate details with regards to majors taken to minimise order from waste treatment plant at all stages of transportation, handling, storage.
3. The issue of capacity building of pickers and lower level workers specially the house holders and women associated with plant activities including segregation needs to be addressed through training and detail the majors to be taken for incorporation in EIA.
4. While preparing EIA report, project proponent should carry out actual analysis of solid waste with regard to cacographic value and incorporate these values in EIA report by weekly.
5. EIA report to increase caloric value of the waste should be under taken in details apart from purely regulatory measures, mechanism the could be employed to ensure segregation of waste in general and other electronic biomedical and building material waste in particular in this context, project EIA should bring out details of such interventions with cost estimate and time of implementation.
6. The air pollution control equipments proposed to be set up should be examined thoroughly in terms of norms laid down by CPCB and be installed accordingly.

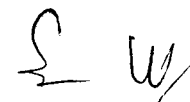
General condition :

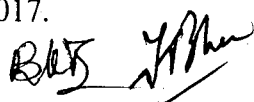
1. The project should be designed based on the population projections as by Master Plan.
2. Submit a 10 km. radius map (on survey of India toposheet) showing co-ordinates of project site, national highway, state highway, district road/approach road, river, canal, natural drainage; protected areas, under Wild Life (Protection) Act, archaeological site, natural lake, flood area, human settlements (with population), industries, high tension electric line, prominent wind direction (summer and winter), effluent drain, if any and ponds etc., should be presented and impacts assessed on the same.
3. Examine and submit details of alternative technologies viz. RDF shall also be evolved.
4. Examine and submit details of storm water/ leachate collection from the composted area.
5. Examine and submit details of monitoring of water quality around the landfill site. Water analysis shall also include for nitrate and phosphate.
6. Examine and submit details of the odour control measures.
7. Examine and submit details of impact on water bodies/rivers/ ponds and mitigative measures during rainy season.
8. Submit the criteria for assessing waste generation. Any segregation of hazardous and bio-medical wastes.
9. Submit a copy of the layout plan of project site showing solid waste storage, green belt (width & length, 33% of the project area), all roads, prominent wind direction, processing plant & buildings etc. should be provided.

10. Submit a copy of the land use certificate from the competent authority.
11. NOC from local or nearest airport within 20 km and any flight funnel restrictions.
12. Submit a copy of the status of ambient air quality and surface and ground water quality, soil type, cropping pattern, land use pattern, population, socio-economic status, anticipated air and water pollution.
13. Submit a copy of the topography of the area indicating whether the site requires any filling, if so, the details of filling, quantity of fill material required, its source and transportation, etc.
14. Examine and submit the details of impact on the drainage and nearby habitats/settlements (surroundings).
15. Examine and submit the details of surface hydrology and water regime and impact on the same.
16. Examine and submit the details of one complete season AAQ data (except monsoon) with the dates of monitoring, impact of the project on the AAQ of the area (including H₂S, CH₄).
17. Submit a copy of detailed plan of waste management.
18. Submit the details of sanitary land fill site impermeability and whether it would be lined, if so details thereof.
19. Examine and submit the details of impact on environmental sensitive areas.
20. Examine and submit the details of rehabilitation/compensation package for the project effected people, if any.
21. Submit Environmental Management Plan and Environmental Monitoring Plan with costs and parameters.
22. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
23. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
24. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
25. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
26. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Common Municipal Solid Wastes>".
27. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered.
28. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015 / 109 / 2013 – IA.II (M), dated 12.01.2017.

1







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

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

40



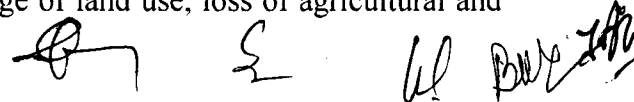
prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

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

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

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

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

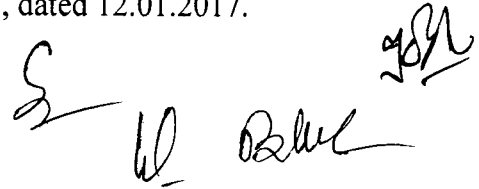


grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

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

- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
45. After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.
46. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.


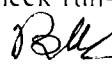
7



A. Specific Conditions

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

(A)



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

9

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

B. General conditions

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

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

C. Other points

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

A. Specific Conditions

1. The Environmental clearance is subject to grant of Mining Lease and will be co-terminus with the mining lease period.
2. As per EIA notification, 2006 Gram Sabha is a major component of EC for this category of project. In all these projects Gram Sabha report has not been submitted. The EC of these cases is being recommended subject to **submission of the Gram Sabha consent.**
3. The mining work will be open-cast and preferably manual and specific circumstances situation semi mechanised. No mechanical work or drilling / blasting should be involved at any stage.
4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed. Also PP shall ensure that stipulations mentioned in MoEF OM No.- J-13012/12/2013-IA-II(1). dated- 24th December. 2013 and SEIAA. Jharkhand guideline dated 07.05.2013 are adhered to.
5. For the green belt development in the mining area / transport road sides / other land area saplings available in the forest nursery / private nursery should also be considered for the mentioned purpose instead of the Trees / Plants mentioned in the PFR / Presentation copies of the proposed mine.
6. No sand mining activities will be carried out in upstream or downstream within 500 m of railways, road, bridge, water intake, wires & notified aquarium or breeding places.
7. Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc and shall submit report to SEIAA, JSPCB and DMO after every monsoon i.e. by end of November (30th) of that year. Also after receding of flood / water (after monsoon) a study has to be conducted in mining lease area and list of flora & fauna is to be prepared and submit report to SEIAA, JSPCB and DMO.
8. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area).
9. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
10. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season. Due consideration will be given to points raised in Supreme Court judgement and SEIAA guidelines.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety

and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

13. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
14. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project. Transportation of sand is to be carried out with consent of Villagers and Trucks are to be covered with Tarpaulin.
15. Local flora may be planted in the Core Zone of the Mining Lease area.
16. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
17. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
18. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
19. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
20. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
24. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
25. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein
26. At least 1.5 meter from the river bed sand should be kept intact and mining can be done above this cushion of sand considering the geological condition of Chhotanagpur plateau.

B. General conditions:

As per the latest guidelines of MoEF & CC regarding Sustainable Sand Mining Management Guidelines 2016 –

1. EC is subject to having valid lease and all statutory clearance as applicable.

[Handwritten signatures and initials]

2. Monitoring Committee including Local Panchayat to check on traffic due to transportation and submit an annual report on the same.
3. To maintain safety and stability of Riverbanks i.e. 3 meter or 10% of the width of the River whichever is more will be left intact as no mining zone.
4. Ultimate working depth shall be up to 3.0 m from Riverbed level and not less than one meter from the water level of the River channel whichever is reached earlier.
5. The directions given by the Hon'ble Supreme Court of India vide order dated 27.02.2012 in Deepak Kumar case [SLP(C) Nos.19628-19629 of 2009] and order dated 05.08.2013 of the Hon'ble National Green Tribunal in application No.171/2013 may be strictly followed.
6. All the provisions made and restrictions imposed as covered in the Minor Mineral Rule, shall be complied with, particularly regarding Environment Management Practices and its fund management and Payment of compensation to the land owners.
7. District level Survey Report should be prepared and area suitable for mining and area prohibited for mining be identified.
8. No River sand mining be allowed in rainy season.
9. To submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/ production levels shall be decreased / stopped accordingly till the replenishment is completed.
10. In River flood plain mining a buffer of 3 meter to be left from the River bank for mining.
11. In mining from agricultural field a buffer of 3 meter to be left from the adjacent field.
12. Mining shall be done in layers of 1 meter depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
13. No stream should be diverted for the purpose of sand mining. No natural water course and/or water resources are obstructed due to mining operations.
14. No blasting shall be resorted to in River mining and without permission at any other place.
15. Depending upon the location, thickness of sand, deposition, agricultural land/Riverbed, the method of mining may be manual, semi-mechanized or mechanized; however, manual method of mining shall be preferred over any other method.
16. Mining should be done only in area / stretch identified in the District Level Survey Report suitable for mining and so certified by the Sub- Divisional Level Committee after site visit.
17. Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
18. The top soil in case of surface land mining shall be stored temporarily in an earmarked site and concurrently used for land reclamation.
19. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of

- vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
20. For each mining lease site the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
 21. The State / District Level Environment Committee should use technology like Bar Coding, Information and Communications Technology (ICT), Web based and ICT enabled services, mobile SMS App etc. to account for weight of mineral being taken out of the lease area and the number of trucks moving out with the mineral.
 22. There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor Mineral Concessions Rules framed by the State Government.
 23. Noise arising out of mining and processing shall be abated and controlled at source to keep within permissible limit.
 24. Restricted working hours Sand mining operation has to be carried out between sun rise to sun set.
 25. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly.
 26. Air Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
 27. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used.
 28. The mining operations are to be done in a systematic manner so that the operations shall create a major visual impact on the site.
 29. Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining to be planted preferably of indigenous species. Each EC holder should plant and maintain for lease period at least 50 gation plantation in area near lease and road connecting lease area.
 30. No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules made thereunder.
 31. Protection of turtle and bird habitats shall be ensured.
 32. No felling of tree near quarry shall be allowed. For mining lease within 10 km of the National Park / Sanctuary or in Eco-Sensitive Zone of the Protected Area, recommendation of Standing Committee of National Board of Wild Life (NBWL) have to be obtained as per the Hon'ble Supreme Court order in I.A. No. 460 of 2004.
 33. Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.
 34. Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.




35. The EC should stipulate conditions for adequate steps to check soil erosion and control debris flow etc. by constructing engineering structures.
36. Use of oversize material to control erosion and movement of sediments.
37. No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope.
38. No extraction of sand in land slide prone areas shall be carried out.
39. Controlled clearance of riparian vegetation to be undertaken
40. Site clearance and tidiness is very much needed to have less visual impact of mining.
41. Dumping of waste shall be done in earmarked places as approved in Mining Plan.
42. Rubbish burial shall not be done in the Rivers.
43. The EC holder shall take all possible precautions for the protection of environment and control of pollution.
44. Effluent discharge should be kept to the minimum and it should meet the standards prescribed.
45. Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
46. Vehicles used for transportation of sand are to be permitted only with of fitness and PUC Certificates.
47. Junction at take-off point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
48. Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
49. No stacking allowed on road side along National Highways.
50. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine.
51. Site specific plan with eco-restoration should be in place and implemented.
52. Health and safety of workers should be taken care of.
53. The Project Proponent shall make arrangement for drinking water, first aid facility (along with species specific anti-venom provisioning) in case of emergency for the workers.
54. The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production, River Bank erosion and maintenance of Road etc.
55. Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained: also, Occupational health check ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary

remedial/preventive measures taken accordingly. Recommendations of National Institute for labour for ensuring good occupational environmental for mine workers would also be adopted.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of lease of the mine, the PP does not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

A



Zero Draft of the EIA notification, 2019 - comments requested reg.

yugal singh <yksingh1803@gmail.com>

Wed, May 22, 2019 at 8:23 PM

To: secretary seac <seac.jhk@gmail.com>

Cc: SEAC-KailashPdBhawsinka <bulletineditor1@gmail.com>, Brajendra Tewary <tewarybrajendra2@gmail.com>, sps92003@yahoo.com, "Dr. Ran Vijay Singh" <ranvijay04@gmail.com>, RADHA NAND Singh <radhanandsingh@gmail.com>, Vinod P Sinha <vinodpsinha@gmail.com>, Mohan Bhagwat <bhagwat.mohan@gmail.com>, Uday Pratap Singh <udayrasingh@gmail.com>

I agree with the draft notification.

Y K Singh
IFS(Retd)

[Quoted text hidden]

YK Singh
22.5.19

22.5.19



Zero Draft of the EIA notification, 2019 - comments requested reg.

radhanandsingh <radhanandsingh@gmail.com>
To: Member Secretary SEAC <seac.jhk@gmail.com>

Sat, May 25, 2019 at 4:30 PM

Dear sir,

The following suggestions for the referred subject are forwarded by the undersigned :

The chairman /chairperson of SEAC COMMITTEE should nominate a member as Vice-chairman in the first meeting of the SEAC Committee .

The option of a member of the SEAC COMMITTEE may be taken for continuing in the committee for the second term.

The procedure for review of the E.C granted by DEIAA BY SEIAA may be clear.

Involvement of SEIAA /SEAC in preparation of District Resource Survey to help the local authority is essential.

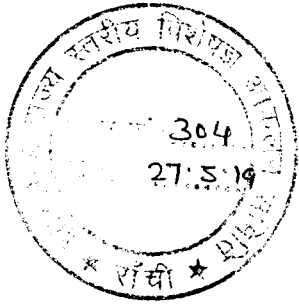
All the DSR SHOULD be prepared as per the guidelines issued in the zero Draft.

R.N.SINGH, member

Sent from my Samsung Galaxy smartphone.
(Quoted text hidden)

27.5.19

27.5.19



Zero Draft of the EIA notification, 2019 - comments requested reg.

Mohan Bhagwat <bhagwat.mohan@gmail.com>

Mon, May 27, 2019 at 10:59 AM

To: Bhawsinka <bulletineditor1@gmail.com>, MemberSecretary <seac.jhk@gmail.com>

Cc: Brajendra Tewary <tewarybrajendra2@gmail.com>, S P Sinha <sps92003@yahoo.com>, "Dr. Ran Vijay Singh" <ranvijay04@gmail.com>, RADHA NAND Singh <radhanandsingh@gmail.com>, Vinod P Sinha <vinodpsinha@gmail.com>, Uday Pratap Singh <udayrasingh@gmail.com>, yksingh1803 <yksingh1803@gmail.com>

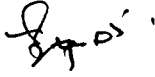
Dear Sirs,

I am pleased to attach my modifications and suggestions to the subject rules for your perusal and needful action.

I have prepared this without prejudice and without harming interests of anyone to the best of my conscience.

[Quoted text hidden]


--



Warm regards,

Mohan Bhagwat

 **Suggestions_Modifications_ZeroDraft.docx**
27K


27-05-19



SUGGESTIONS TO THE ZERO DRAFT EIA NOTIFICATIONS

Sr. no	Zero Draft Paragraph No. and Details	Suggested Modifications to be included	Explanation
1	3A. District Level Environment Impact Assessment Authority:- (ii) The District Magistrate or District Collector shall be the Chairperson of the DEIAA. (iii) The Sub-Divisional Magistrate or Sub-Divisional Officer of the district head quarter of the concerned district of the State shall be the Member-secretary of the DEIAA.	<i>To insert-</i> (ii) The Chairperson shall be Director, Dy. Director or other Equivalent Senior Official from State Director Geology Mining in lieu of District Magistrate/Collector. (iii) The Asstt. Director or equivalent Senior Officer from Director Geology Mines shall be the Member-Secretary of the DEIAA	(i) The DM/C being focal head of District Administration is always busy and quite often the meeting gets held up/cancelled for lack of his attendance, eventually delaying DEIAA proceedings and wastage of time of all. (ii) The DMO has all relevant records and data and is appropriate authority
2	3.A. (viii) The Assistant Director or Deputy Director of the Department of Mines and Geology or District Mines Officer or Geologist of the district shall be the Member-Secretary of the DEAC in that order.	<i>To insert 3 A.-</i> (viii) The District Mining Officer shall be the Member Secretary of DEAC	The availability of person and data relevant to the subject meetings is pertinent which is basic requirement of the purpose.
3	5. (vii) The EAC, SEACs and DEACs shall function on the principle of collective responsibility. The Chairperson shall endeavor to reach a consensus in each case and if consensus cannot be reached the view of the majority shall prevail.	<i>To include-</i> (vii) The EAC, SEACs and DEACs shall function on the principle of collective responsibility. The Chairperson shall endeavor to reach a consensus in each case and if consensus cannot be reached the view of the majority shall prevail. However, <i>opinion of any Member having dissenting view, shall be recorded separately which may not be part of Minutes of the proceedings, as an expert's view relevant under EIA notification</i>	Commonly the individual voice/s and opinions are not given weightage in view of prevailing views but concern broadly to environment protection. <i>This provision is not enlisted specifically in present form though quoted verbally.</i>