

MINUTES OF THE 76TH MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 13TH & 14TH AUGUST, 2019

The 76th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 13th & 14th August, 2019 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

The following members were present :

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|------------------------|---|
| 1. Sri K.P. Bhawsinka | - Chairman |
| 2. Dr. B.K. Tewary | - Member |
| 3. Dr. R. N. Singh | - Member |
| 4. Dr. V.P. Sinha | - Member |
| 5. Sri Y.K. Singh | - Member |
| 6. Sri S.P. Srivastava | - Member |
| 7. Sri M.S. Bhagwat | - Member |
| 8. Sri Om Prakash | - Member Secretary (present on 14.08.19 only) |

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

Member Secretary, SEAC is on Casual Leave (CL) on 13.08.19. So, it could not participate in appraisal of projects mentioned below.

SEIAA forwarded various projects to the SEAC for the technical appraisal after the last SEAC meeting held on 24th, 25th & 26th July, 2019. These projects have been put up for discussions. Besides, these Projects, wherein PP's were asked to provide requisite informations / clarifications in SEAC earlier meeting, were also considered for appraisal. The Project Proponents have been asked to make technical presentation for the appraisal of their projects before the committee.

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

Day 1 : August 13, 2019 [Tuesday]

• Consideration of Proposals

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

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

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

Brief of the project :

- HEC Site-1 covers an area of 1,902.64acres and is located in the South-Western part of the Ranchi city at a distance of approximately 3 km from Ring road and approximately 2 km from NH-75. Major part of the site is located within Ranchi Municipal Corporation limit.

1.	Name of the project	New Ranchi High Court Building and Residential Complex
2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)
3.	Category of the project	8(b) (Township & Area development Project)
4.	Project location	Site1 HEC Campus, Village Tiril Dhurwa, Ranchi, Jharkhand Latitude 28° 18'35.99"N -23°18'29.3"N Longitude 85° 15'58.32"E-85°16'11.2"E
5.	Plot area	664994.1m ² (66.76Ha) (165 Acres)
6.	Permissible Ground Coverage @ 50 % of Plot area	332497.030 sqm
7.	Achieved Ground Coverage @ 8.9% of Plot area	59184.471 sqm
a.	Total Area for Phase I	36019 (5.4%)
b.	Total Area for Phase 2	6,652.80(1.0%)
c.	Total Area for Phase 3	16,512.67(2.48%)
8.	Permissible FAR @ 2	1329988.120 sqm
9.	Achieved FAR @0.18	119698.931 sqm
a.	Total Area for Phase I	87055.000 sqm
b.	Total Area for Phase 2	10261.200 sqm
c.	Total Area for Phase 3	21236.78 sqm
10.	Built up Area	118552.98 sqm
11.	Proposed Open Area @84.40% of Plot area	605809.5887sqm
12.	Permissible Green @ 10 % of Plot area	60580.959 sqm
13.	Proposed Green Area @ 10 % of Plot area	60580.959 sqm
14.	Proposed RWH pits	No.-18
15.	Maximum Building Height	16 meter
16.	Road area	44515.35 sqm
17.	Nearest Airport / Railway	Birsa Munda Airport, approx. 5 Km towards East

S. No.	Particulars	Area in Sq.m.
1	Total Plot Area	664994.1

2	Permissible Ground Coverage @ 50% of plot area	332497.030
3	Proposed Ground Coverage @ 8.9 % of plot area	59184.471
4	Permissible FAR @ 2 of plot area	1329988.120
5	Proposed FAR @0.18 of plot area	119698.931
a	Total Area for Phase I (Built up area)	87055.000
	Court Block	59871.000
	Advocate Block (BLOCK-1)	13592.000
	Advocate Block (BLOCK-2)	13592.000
b	Total Area for Phase 2 (Built up area)	10261.200
	Typist Block-1	1106.7
	Typist Block-2	1106.700
	Bar Council	1554.600
	PO, Bank, Utility	718.200
	Dispensary	748.100
	Auditorium	5,026.90
c	Total Area for Phase 3 (Built up area)	21236.78
	Hon'ble Chief Justice's Residence	977.61
	Hon'ble Judges' Residence	15,777.78
	Registrar General Residence	606.84
	Registrars' Residence	3,437.76
	Out House	436.80
6	Built up area	118552.98

Building Blocks :

S. No.	Description	No. of Floors	No. of Blocks/Chamber
1.	Court Block	G+2	25
2.	Advocate Chambers (Block 1 & 2)	G+2	500
3.	Typist (Block 1 & 2)	G+1	-

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4.	Bar Council	G+1	-
5.	PO, Bank, Utility	G+1	-
6.	Auditorium	G+2	-
7.	Dispensary	G	-
8.	Residential Complex	G+1	39
9.	Out Houses	G	8

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

			East
9	Places of worship	Jagannath Temple GEK Church Dibdih	1.0 km towards North East 3.6 km towards North East
10	Important Settlements	CRPF Camp JSCA International Stadium Complex	1.5 Km towards North West 0.25 Km towards South East

Development of Green Belt :

Total Plot area	664994.1m ²
Open Area	605809.5887 m2
Landscape area required@ 10% of open area	60580.959 m2
Landscape area proposed @ 10% of open area	60580.959 m2

Water requirement:

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

Power requirement:

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

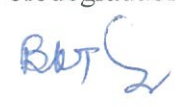
Parking facility:

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

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

Solid waste generation and management

It is estimated that maximum solid waste generation would be about 717.15kg / day and 121.576 kg of sludge (wet basis). Organic waste converter shall be providing to manage the biodegradable waste. Small area will be designated for secondary processing, where the proper segregation of waste will take place before sending it for proper disposal. These solid wastes will be collected separately by putting three types of separate bins at the source of generation. For the biodegradable waste green bins will be provided, for the Non-biodegradable waste White bins and for the

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

PP and the consultant presented the project and submitted the earlier required documents. They admitted that the large amount of construction work has been before the grant of EC. Thus this is a violation case as per the E (P) Act, 1986 as construction work 90% completed without prior EC.

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

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

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

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

On scrutiny the document eg :

- (1) Undertaking : the PP has submitted the undertaking that all activities, as per SEAC direction have been stopped till EC is obtained.
- (2) Geotechnical report for the site is yet to be submitted.

In the work order of the Architect it is observed that is 3.2.8, Stage II, column (c) – that the architect has been entrusted to get the approval and clearances from the statutory authorities as required the contractor has not adhered to the task & State way started the work is that prior E.C. Thus the embarrassing situation to the PP has been DFO certificate & CO certificate regarding class of land (whether as Jangle Jhari or not).

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

- (i) That the construction work for the High Court Building has been almost completed.
- (ii) The finishing work furnishing, electrification, sewerage system & other decorative measures yet to be done.
- (iii) Presently the work is stopped.



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

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 13th and 14th July, 2019 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study and estimate damage cost & community development measures as per MoEF&CC notification dated 08.03.2018.

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

A. Standard Conditions :

1. Examine baseline environmental quality along with projected incremental load due to the project.
2. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
3. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
4. Submit the details of the trees to be felled for the project.
5. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
6. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of E (P) Act.
7. Ground water classification as per the Central Ground Water Authority.
8. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
9. Rain water harvesting proposals should be made with due safeguards for ground water quality Maximize recycling of water and utilization of rain water. Examine details.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine details of solid waste generation treatment and its disposal.
12. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
13. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
14. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
15. A detailed traffic and transportation study should be made for existing and projected gatherings in different time & period.
16. Examine the details of transport of materials for construction which should include source and availability.

17. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
18. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
19. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
20. The cost of the Project (capital cost and recurring cost) the damage cost of already opened land as well as the cost towards implementation of EMP should be clearly spelt out.
21. 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/Townships>".

B. Specific Conditions :

1. **DFO certificate regarding distance of Forest / National Park / Bio-Diversity Park / Sanctuary / Eco Sensitive Zone.**
2. **CO certificate regarding class of land (whether recorded as Jangle Jhari or not). If records of right / khatiyani is not available of the concerned site requisite undertaking by the concerned DC and PP as provided in Revenue Deptt., Govt. of Jharkhand letter no. 4792, dated 04.12.18 be submitted.**
3. The State Govt. / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.
4. Examine the nala / river flowing on northern side of both the sites and management plan to maintain the flow of ecology of the system.
5. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority.
6. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
7. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
8. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
9. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
10. Funds allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/ 2017-IA.III dated May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
11. 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.
12. 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.

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

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

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

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

Salient features of the project:

1.	Name of the project	Rehabilitation & Resettlement Package for HEC displaced persons
2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)
3.	Category of the project	8 (a) Building and Construction Projects
4.	Project location	Village Aani Dhruwa, Ranchi. Jharkhand Latitude : 23°19'22.9"N to 23°19'35.8"N Longitude : 85°17'03.8"E to 85°17'02.4"E
5.	Total Plot Area	236835.4 sq.m.
6.	Permissible Ground Coverage @ 50% of plot area	118417.719 sq.m.
7.	Proposed Ground Coverage @ 20.505 % of plot area	48563.107 sq.m.
8.	Permissible FAR @ 2 of plot area	473670.877 sq.m.
9	Proposed FAR @0.2 of plot area	48563.986 sq.m.
a	Area for 400 DU	47184.000 sq.m.
b.	Pre Primary School (G+1)	674.809 sq.m.
c.	Community Centre	460.736 sq.m.
d.	Convenience Shopping (2 NOS)	328.764 sq.m.
e	WW	109.56 sq.m.
f	LCS	132.67 sq.m.
	Total Built-up Area	48890.54 sq.m.
8.	Open Area (plot area - achieved ground coverage)	188272.3318 sq.m.

9.	Landscape area provided@10% of open area	18827.233 sq.m.
10.	Paved Area	169445.099 sq.m.
11.	Nearest Airport / Railway	Birsa Munda Airport, approx. 2.3 Km towards East
12.	Total Water Requirement	KLD
13.	Fresh Water Requirement	179 KLD
14.	Wastewater Generation	215 KLD
15.	Capacity of STP	STP - 260 KLD
16.	Solid Waste Generation	867 kg/day
17.	Parking Required & Provided	400 ECS
18.	Power Demand & Source	1020 KVA(by JSEB)
19.	RWH Pits	15 pit

S. No.	FEATURES	DESCRIPTION	DISTANCE & DIRECTION
1.	Location	Site-1, H.E.C. Area, Village-Aani, Dhruwa, Ranchi, Jharkhand.	
2.	Connecting road	Nayasarai Road Ring Road	0.6 km towards South 3.7 Km towards West
3.	National Highway	NH-75 NH-23	1.9 Km towards East 5.2 Km towards North West
4.	Nearest Railway Station	Hatia Railway station Ranchi Railway station	4 km towards South East. 3.8 Km towards North East
5.	Airport	Birsa Munda Airport, Ranchi	2.3 Km towards East

Water requirement:

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

Power requirement:

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

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Parking facility:

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

Solid waste generation and management

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

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

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

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

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

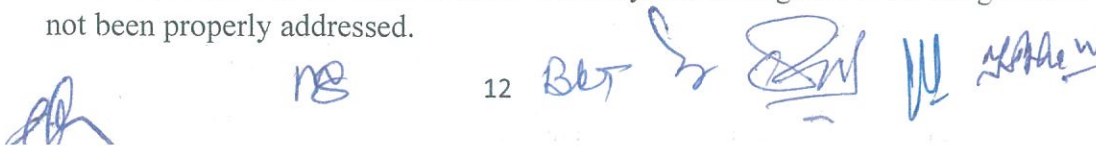
- i. PP to submit an Undertaking / Affidavit that the work has now been stopped till the EC awarded.
- ii. The work order / scope of work to the Architect / Contractor as the work was awarded earlier.
- iii. CO certificate regarding class of land (whether as Jangle Jhari or not).

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

On scrutiny the document eg :

- (1) Undertaking : The PP has submitted the undertaking that all activities, as per SEAC direction have been stopped till EC is obtained.
- (2) CO certificate regarding the nature of land submitted this Certificate is provided by Addl. Collector but the class of land in Khatiyon and Register II for Jungle-Jhari has not been properly addressed.

12



(3) Geotechnical report for the site is yet to be submitted.

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

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

- (i) The construction work of the individual units of 400 dwelling units have been almost completed.
- (ii) The roads, drainage system fire fighting measures have been undertaken.
- (iii) On the system side a nalla flows & a large amount of the debris have been thrown out. There is a need to develop protective measures for maintaining the ecology of the nalla.
- (iv) A large number of soak pits have been constructed towards the nalla which apprehends for a future disturbance to the flow of nature & its ecology.
- (v) The status of completion of Rehabilitation colony was observed to be about 90%. The location of cluster of septic tanks and soak pits for the entire Rehabilitation colony was observed to be on the western/south western bank of the natural perennial stream/water course. Since proximity of the septic tanks/soak pit is close to the natural stream and the terrace level on which these are located is also lower by about 1.25m from terrace level of the colony's road, possibly on the river terrace itself during monsoon, contamination of water in the stream is imminent to take place due to dispersion of effluent from soak pit. The original contour plan needs to be studied along with the made up terrace levels of the colony and its infrastructure.

Prima facie, for protecting the stream and its downstream from imminent contamination and Environmental hazard, the two possible mitigation measures. therefore, could be as follows:

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

In this meeting the PP & consultant presented a preliminary result of the evaluations as per matrix method and the storm water drainage system proposed and sewerage system, safety measures to be

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adopted parking & other activities. The identification of community development measures were discussed.

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 13th and 14th July, 2019 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study and estimate damage cost & community development measures as per MoEF&CC notification dated 08.03.2018.

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

A. Standard Conditions :

1. Examine baseline environmental quality along with projected incremental load due to the project.
2. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
3. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
4. Submit the details of the trees to be felled for the project.
5. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
6. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of E (P) Act.
7. Ground water classification as per the Central Ground Water Authority.
8. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
9. Rain water harvesting proposals should be made with due safeguards for ground water quality Maximize recycling of water and utilization of rain water. Examine details.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine details of solid waste generation treatment and its disposal.
12. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
13. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
14. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
15. A detailed traffic and transportation study should be made for existing and projected gatherings in different time & period.
16. Examine the details of transport of materials for construction which should include source and availability.

14

17. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
18. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
19. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
20. The cost of the Project (capital cost and recurring cost) the damage cost of already opened land as well as the cost towards implementation of EMP should be clearly spelt out.
21. 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/Townships>".

B. Specific Conditions :

1. **CO certificate regarding class of land (whether recorded as Jangle Jhari or not). If records of right / khatiyani is not available of the concerned site requisite undertaking by the concerned DC and PP as provided in Revenue Deptt., Govt. of Jharkhand letter no. 4792, dated 04.12.18 be submitted.**
2. The State Govt. / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.
3. Examine the nala / river flowing on northern side of both the sites and management plan to maintain the flow of ecology of the system.
4. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority.
5. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
6. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
7. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
8. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
9. Funds allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/ 2017-IA.III dated May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
10. 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.
11. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.

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

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

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

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

Salient features of the project :

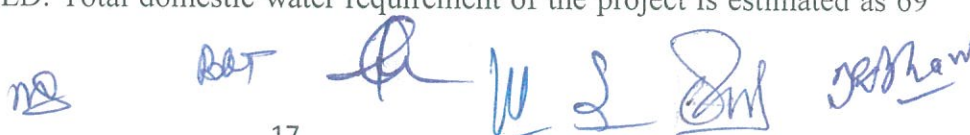
1.	Name of the project	Proposed Assembly Building (Jharkhand Vidhan Sabha)
2.	Name of applicant	Greater Ranchi Development Agency Limited (GRDA)
3.	Category of the project	8 (a) Building and Construction Projects
4.	Project location	Village Kute, Dhruwa, Ranchi, Jharkhand Latitude : 23°19'27.85"N to 23°19'19.39"N Longitude : 85°16'15.30"E to 85°16'21.24"E
5.	Plot area	1, 59,523 sq.m.
6.	Permissible Ground Coverage @ 50 % of Plot area	79, 761.5 sq.m.
7.	Achieved Ground Coverage @ 15.6% of Plot area	24,834.14 sq.m.
a.	Assembly Building	15,743.891 sq.m.
b.	Service Block	2,292.69 sq.m.
c.	Parking Block	6,522.156 sq.m.
d.	Watch Tower	242 sq.m.
e.	Gate house	162 sq.m.
8.	Permissible FAR @ 2.5	3,98,807.5 sq.m.
9.	Achieved FAR @0.355	56,579.5 sq.m.

a.	Assembly Building	46,699.289 sq.m.
b.	Service Block	2,953.055 sq.m.
c.	Parking Block	6,522.156 sq.m.
d.	Watch Tower	243 sq.m.
e.	Gate house	162 sq.m.
10.	Built up Area	56,579.5 sq.m.
11.	Proposed Open Area @84.35% of Plot area	1,34,560.263 sq.m.
12.	Permissible Green @ 10 % of Plot area	15,952 sq.m.
13.	Proposed Green Area @ 66.76 % of Plot area	1,06,500 sq.m.
14.	Maximum Building Height	38.51 meter
15.	Paved Area	28,060.263 sq.m.
16.	Nearest Airport / Railway	Birsa Munda Airport, approx. 5 Km towards East

S. No.	FEATURES	DESCRIPTION	DISTANCE & DIRECTION
1.	Location	Site-1, H.E.C. Area, Village- Kute, Dhruwa, Ranchi, Jharkhand	
2.	Connecting road	Nayasarai Road Ring Road	1 Km towards South 2 Km towards West
3.	National Highway	NH-39 NH-75 NH-23	2 Km towards West 8.0 km; NE 3.5 Km towards East 4.5 Km towards North West
4.	Nearest Railway Station	Hatia Railway station Piska Railway station	4 km towards South East. 6 Km towards West
5.	Airport	Birsa Munda Airport	5 Km towards East

Water requirement :

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



Power requirement:

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

Parking facility :

Project proposed 364 number of parking.

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

Solid waste generation and management

It is estimated that maximum solid waste generation would be about 357.36 kg / day and 65.52 kg of sludge (wet basis). Organic waste converter shall be providing to manage the biodegradable waste. Small area will be designated for secondary processing, where the proper segregation of waste will take place before sending it for proper disposal. These solid wastes will be collected separately by putting three types of separate bins at the source of generation. For the biodegradable waste green bins will be provided, for the Non-biodegradable waste White bins and for the domestic hazardous waste black bins will be provided. The E-waste (Discarded computers, copiers, fax machines, electric lamps, cell phones, audio equipment, etc) generated will be managed as per the E-Waste (Management) Rules, 2016. The Hazardous waste (Used Oil, Oil Contaminated Wastes) generated will be managed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

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

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

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

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

- PP to submit an Undertaking / Affidavit that the work has now been stopped till the EC awarded.



- ii. *The work order / scope of work to the Architect / Contractor as the work was awarded earlier.*
- iii. *CO certificate regarding class of land (whether as Jangle Jhari or not).*

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

On scrutiny the document eg :

- (1) Undertaking : the PP has submitted the undertaking that all activities, as per SEAC direction have been stopped till EC is obtained.
- (2) CO certificate regarding the nature of land submitted this Certificate is provided by Addl. Collector but the class of land in khatiyani and register II for Jungle-Jhari has not been properly addressed.
- (3) Geotechnical report for the site is yet to be submitted.

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

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

- (i) The construction work of the Assembly Building have been almost completed.
- (ii) The roads, drainage system fire fighting measures have been undertaken.
- (iii) Presently the work is stopped.
- (iv) Plantation work was in progress.

In this meeting the PP & the consultant presented a preliminary result of the evaluations and the storm water drainage system, proposed and sewerage system, safety measures to be adopted parking & other activities. The identification of community development measures were discussed. The consultant has submitted that environmental data has been generated in summer months.

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 13th and 14th July, 2019 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study and estimate damage cost & community development measures as per MoEF&CC notification dated 08.03.2018.

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

A. Standard Conditions :

- 1. Examine baseline environmental quality along with projected incremental load due to the project.
- 2. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 3. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
- 4. Submit the details of the trees to be felled for the project.



5. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
6. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of E (P) Act.
7. Ground water classification as per the Central Ground Water Authority.
8. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
9. Rain water harvesting proposals should be made with due safeguards for ground water quality Maximize recycling of water and utilization of rain water. Examine details.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine details of solid waste generation treatment and its disposal.
12. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
13. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
14. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
15. A detailed traffic and transportation study should be made for existing and projected gatherings in different time & period.
16. Examine the details of transport of materials for construction which should include source and availability.
17. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
18. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
19. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
20. The cost of the Project (capital cost and recurring cost) the damage cost of already opened land as well as the cost towards implementation of EMP should be clearly spelt out.
21. 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/Townships>".

B. Specific Conditions :

1. **CO certificate regarding class of land (whether recorded as Jangle Jhari or not). If records of right / khatiyani is not available of the concerned site requisite undertaking by the concerned DC and PP as provided in Revenue Deptt., Govt. of Jharkhand letter no. 4792, dated 04.12.18 be submitted.**

2. The State Govt. / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.
3. Examine the nala / river flowing on northern side of both the sites and management plan to maintain the flow of ecology of the system.
4. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority.
5. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
6. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
7. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
8. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
9. Funds allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/ 2017-IA.III dated May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
10. 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.
11. 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.

iv. Murtiya Sand Ghat in the river bed of Gauri River of M/s JSMDCLtd. at Vill. : Murtiya, Tehsil :Chandwara, Dist. : Koderma (4.31 ha).

(Proposal No. : SIA/JH/MIN/36024/2019)

This is a Sand Mining Project for having an area of 4.31 Ha [Khata No. 29, Plot No.- 826 (P), 1106 (P)].

The latitude and longitude of the project site is 24° 20' 23.68" N to 24° 20' 22.66" N and 85° 32' 24.08" E to 85° 32' 26.82" E. The nearest railway station is Hirodih at a distance of 07 km and the nearest airport is Gaya at a distance of 90 km. Total water requirement is about 1.45 to 1.67 KLD (Dust suppression : 1 KLD, Domestic use : 0.45 to 0.67 KLD. Drinking water will be supplied from the nearest village Kanti (Murtiya) which is connected to village road (Telaiya dam - Dumardih) at a distance of 400 m.

The proposed estimated total proved reserve is 1,07,750 cum

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

1 st Year	:	73,723 cum
2 nd Year	:	58,978.40 cum
3 rd Year	:	58,978.40 cum
4 th Year	:	58,978.40 cum
5 th Year	:	58,978.40 cum

The daily production as per Form-I is 1st year 368.61 cum & 2nd to 5th year 294.89 cum.

The indicated project cost is Rs 45.50 Lakh and a provision of Rs 7.65 Lakh has been indicated for Environment management and CSR cost is 0.91 Lakh.

DFO, Wildlife Hazaribagh vide letter no. 506, dated - 9.03.19 certified that the distance of Wildlife Sanctuary Koderma is 12,800 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 Division vide letter no. 1493, dated - 20.04.19 certified that the distance of forest is 500 m from project site.

The CO, Chandwara vide letter no. 155, dated - 02.03.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani & Register II.

DMO, Koderma vide memo no. 581, dated 25.04.19 certified that any other lease is not within 500 m radius from proposed project site.

SEAC observed that the EIA co-ordinator of the consultant was absent.

Defer for next meeting.

- v. **Shahpur Stone Mine of M/s Jai Maa Kali Construction & Minerals, Vill. : Shahpur, Thana : Naudiha Bazar, Dist. : Palamau (4.57 ha).**

(Proposal No. : SIA/JH/MIN/38511/2019)

This is a Stone Mining Project with an area of 4.57 Ha. The latitude and longitude of the project site is 24° 18' 07.0" N to 24° 18' 11.7" N and 84° 17' 36.9" E to 84° 17' 40.5" E. The nearest railway station is Japla at a distance of 45 km and the nearest highway is 19 km and nearest airport is Ranchi at a distance of 170 km. Total water requirement is 6.5 KLD. Water supply will be met by nearby dug wells and bore wells or private tankers.

The details of mine capacity as per Approved Mining Plan are

Proved Mineable Reserve	:	20,87,615 tonne
Probable Mineable Reserve	:	2,68,418 tonne

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

1 st Year	:	4,71,238 tonne
2 nd Year	:	4,66,407 tonne
3 rd Year	:	4,72,178 tonne
4 th Year	:	4,71,520 tonne
5 th Year	:	4,74,597 tonne

The daily production as per Mine Plan is 1571 tonne.

The indicated project cost is Rs 79.46 Lakh and a provision of Rs 3.24 Lakh has been indicated for Environment management.

PP was asked to submit requisite documents :

- i. All plots not mentioned in the Letter of Intent (LoI), as well as DMO letter LoI be corrected & re-submitted.
- ii. Revised Form-I & Pre-Feasibility Report.

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

- vi. Hisra Marble & Stone Mine of M/s Agarwal Mineral Industries, Vill. : Hisra, Tehsil : Chainpur, Dist. : Palamau (1.26 ha).

(Proposal No. : SIA/JH/MIN/38783/2019)

This is a Stone Mining Project with an area of 1.26 Ha (Khata no. : 14 & 73, Plot no. : 339 (P) & 342 (P)). The latitude and longitude of the project site is 23° 57' 29.1" N to 23° 57' 34.7" N and 83° 59' 33.1" E to 83° 59' 48.4" E. The nearest railway station is Daltonganj at a distance of 11.6 km and nearest airport is Ranchi at a distance of 151 km. Total water requirement is 10 KLD. Source of water will be met underground / mine water.

The details of mine capacity as per Approved Mining Plan are

	Marble	Stone
Proved Mineable Reserve :	3,14,072.64 tonne	4,71,108.96 tonne
Probable Mineable Reserve :	36,741.6 tonne	55,112.4 tonne

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

	Marble	Stone
1 st Year :	31,383.52 tonne	47,075.28 tonne
2 nd Year :	31,383.52 tonne	47,075.28 tonne
3 rd Year :	31,383.52 tonne	47,075.28 tonne
4 th Year :	31,383.52 tonne	47,075.28 tonne
5 th Year :	31,383.52 tonne	47,075.28 tonne

The daily production as per Form-I is Marble 105 tonne & stone 157 tonne.

The indicated project cost is Rs 50 Lakh and a provision of Rs 3.24 Lakh has been indicated for Environment management.

Deputy Director, Palamau Tiger Project, North Division, Medininagar vide letter no. 1102, dated 07.06.19 certified that the proposed project site is not within 10 km from National Park, Bio-Diversity & Sanctuary.

DFO, Medininagar division vide letter no. 2240, dated 02.07.19 certified that the distance of notified forest is 270 m from proposed project site and proposed site is not under the No Mining Zone.

The CO, Chainpur, Palamau vide letter no. 405, dated 24.06.19 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the R.S. Khatiyani & Register -II

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DMO, Palamau vide memo no. 706, dated 06.07.17 certified that no other lease exists 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 **Hisra Marble & Stone Mine of M/s Agarwal Mineral Industries, Vill. : Hisra, Tehsil : Chainpur, Dist. : Palamau (1.26 ha)** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - I**.

vii. City Centre Project of M/s Forum Infrastructure Pvt Ltd at Vill: Asangi, Adityapur Dist. - Saraikela Kharsawan.

The proposal was presented in SEAC on 23-25.04.19 in which requisite documents were sought as under -

- i. *CO certificate regarding class of land (whether recorded as Jangal Jhari or not)*
- ii. *DFO Certificate regarding distance from notified forest / National Park / Sanctuary/ Eco Sensitive Zone / Bio-Diversity Area.*
- iii. *In the project proposal source of water is ground water only. The proponent should propose to use surface water also.*

The documents related to the above mentioned discrepancies have been submitted by the PP.

In the DFO, Saraikela Division vide letter no. 1129 dated 29.05.2019, he apprehends that the project may disturb the adjoining forest area.

The Committee suggested the PP to submit an undertaking that the area towards the forest will be made a green buffer zone of 10 m width by planting trees as per Forest Deptt. specification before the commencement of the project activities. Beside dust suppressing screens be erected all along the forest boundary. This "undertaking" comprising mitigation plant be to the satisfaction of DFO concerned.

PP was asked to submit concern DFO, Wildlife certificate regarding distance of National Park / Sanctuary / Bio-Diversity etc. and permission of surface water / ground water from the respective concerned Authority.

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

Day 2 : August 14, 2019 [Wednesday]

A. Discussion on matter related to

- i. **Deliberation of Sri Janki Prasad Yadav, Chairman, JS Housing Board – cum – MLA, Barkatha letter dated 01.08.19.**

SEAC deliberated on the letter of Sri Janki Prasad Yadav, Hon'ble Chairman, Jharkhand State Housing Board cum M.L.A., Barkatha dated 01.08.2019 for this regard, it is to be mentioned here that the MoEF&CC OM no. F-22-43/2018-IA-III dated 08.08.2019 on the subject regarding precedence for consideration of developmental project located within 10 km of National Park / Wildlife seeking environmental clearance under the provisions of the regarding. Specifies the method to be adopted for 2006 clearly dealing with the projects as pointed out by the Hon'ble M.L.A., Barkatha. SEAC discussed the above OM and finds that

the earlier decision taken by the committee is as per MoEF&CC direction only and as such there is no need to revisit the decision again.

The meeting concluded with thanks to all present.

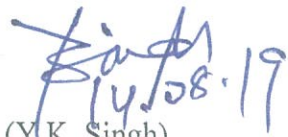

(Dr. B.K. Tewary) 14/8/2019
Member


(Dr. V.P. Sinha) 14/08/19
Member


(S.P. Srivastava) 14.08.19
Member


14.08.19
(Om Prakash)
Member Secretary
(encl on 13.08.19)


(Dr. R.N. Singh) 14.08.19
Member


(Y.K. Singh) 14.08.19
Member


(M.S. Bhagwat) 14-8-19
Member

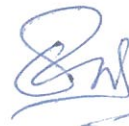

(K.P. Bhawsinka) 14/8/19
Chairman

A. Specific Conditions

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



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

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

B. General conditions

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



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28



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.

