

PART- A MINUTES OF THE 37th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 01st to 05th DECEMBER, 2015

The 37th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 01st to 05th December, 2015 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

- | | |
|-------------------------------|---|
| 1. Sh. A.K. Saxena | - Chairman |
| 2. Sh. S.B.S Chauhan | - Member |
| 3. Er. S.K. Singh | - Member |
| 4. Dr. R.P. Singh Sangu | - Member |
| 5. Prof. (Dr.) M.C. Mahata | - Member |
| 6. Dr. Shatrunjay Kumar Singh | - Member |
| 7. Shri S.K. Suman | - Secretary (Partly 01 st and 04 th December, 2015) |

Attended meeting from 2/12/2015 to 5/12/2015

Various projects which were received by SEIAA after the previous SEAC meeting held from 19th to 23rd November, 2015 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional informations / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

The following salient observations made during the Presentation (Project Wise) in brief deserve serious consideration.

A. Matters referred by SEIAA

1. Modernization cum Expansion of Straight Bar & Wire Mill of M/S Usha Martin Limited (UMIL), Adityapur Industrial Area Vill- Gamgaria, P.o- Jamshedpur, Dist- Saraikela Kharsawan, Jharkhand.

During the presentation held on 03rd August, 2015 UMIL had not informed about the show cause notice issued by JSPCB and SEAC was not aware about the details of show cause. UMIL were later asked to explain about the same. As informed by UMIL vide their letter dated 21 November, 2015 the matter has been closed after their explanation to JSPCB and CTO was issued by JSPCB. Regarding affidavit the format is general and a sample was provided to UMIL based on which they have submitted the affidavit.

The matter was discussed with Member Secretary, JSPCB who has informed during SEAC meeting that there has been no violation and all points mentioned in the show cause have been complied by UMIL and subsequently CTO has been issued by JSPCB on 19.10.2015.

Hope this clarifies the matter.

2. Matter related to Approved Mine Plan

SEAC had earlier recommended to SEIAA for issue of EC for projects in which Approved Mine Plans were not submitted. A condition was indicated in EC stating that approved mine plans were to

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be submitted in 3 months. Some PP's have submitted the approved mine plans to SEIAA. SEIAA has forwarded the same to SEAC. RQP's / PP's have submitted undertaking that earlier with Form-I and PFR is same as of content in the approved mining plan & Progressive Mine Closure plan. Figures related to mineable reserves and productions have been examined and are found to be in order. SEIAA may consider issuing of EC in such cases. Which are listed below

1. M/s Bhalki Quartzite Stone Mine of Mr. Varun Kumar at Village- Bhalki, Tehsil- Dhalbhumgarh, Dist.- East Singhbhum, Jharkhand (0.186 Ha).
2. Bunda Bedo Badaghati Stone Mine of M/s Bikash Stone Works at Mouza- Bunda Bedo Baraghati, P.S.- Ranga, Dist.- Sahibganj, Jharkhand (2.83 Ha).

3. Matter related to Approved Mine Plan (167 Proposals)

1. Out of 167 proposals 5 proposals were found that were issued based on approved mine plan. The files are returned to SEIAA.
2. Out of 167 proposals 116 proposals were examined w.r.t. mineable reserves, production, etc and have found to be in order. The files are returned.
3. Out of 167 proposals 46 proposals were examined w.r.t. mineable, production etc. and there was different in figures between the mine plan submitted with application and approved mine plan. SEIAA is request to inform the proponents to make presentation before SEAC on 18th /19th December, 2015.

4. M/s Maa Chhinamastika Sponge Iron Ltd (Hard Coke & Coal Washery Unit)At: Harvey, P.O.: Karma, Ramgarh, Jharkhand.

Status of Compliance to Observations Raised By SEIAA vide item No. 27 of 17th Meeting held on 29.03.2014.

SEIAA in its meeting held on 10.07.2015 had decided that SEAC may be requested to re-examine and reconsider the proposal.

The matter was presented before SEAC in its meeting held on 24th to 27th August, 2015. The following clarification (Point wise) were provided by PP and their consultant M/s Crystal Consultants, Ranchi.

Sl. No.	ToR Condition	Compliance Status
4.	A site location map on Indian map of 1:10,00,000 scale followed by 1:50,000/ 1:25.000 scale on an A3/A2 sheet with at least next 10 kms of terrains i.e. circle of 10 kms and further 10kms on A3/A2 sheets with proper longitude/ latitude/ heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for	Index Map (Plate- I) shows the location of project site with reference map of India & Jharkhand. Study Area Map (Plate-II) shows the project area. Digital Elevation Model covering project site and 10 km beyond is shown in Plate-

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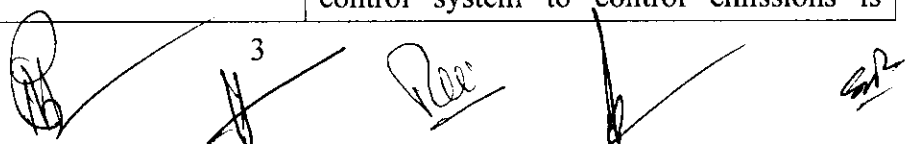
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	the area in 10 km radius from the proposal site.	IV.
5.	Present land use should be prepared based on satellite imagery. High resolution satellite image data having 1m- 5m spatial resolution likes quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 km radius area from proposed site. The same should be used for land used/ land cover mapping of the area.	Present land use pattern in study area on a scale of (1:50,000) using high resolution remote sense technique is given in Plate-V. Present land use plan in the study area is given at Para 3.16
8.	Details and classification of total land (identified and acquired) should be included.	The project area measures 1.567 Ha. As per the revenue records given in Annexure II, land is Tanr-3 type which means barren land. The proposed project site layout along with break- up of land requirement is given in Chapter- IV.
14.	Site- specific micro- meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.	Site specific micro- meteorological data generated during winter of 2010- 2011 are given in the report as given below; Table-3.1- Wind velocity and direction Table- 3.2- Wind velocity and direction <ul style="list-style-type: none"> - Temperature - Relative Humidity - Wind Speed & Direction - Cloud Cover - Rain Fall
15.	Ambient air quality at 8 locations within the study area of 10 km aerial coverage from project site with one AAQMS in downwind direction should be carried out.	Ambient air quality was monitored at 8 locations. Monitoring results are given in Table- 3.3. One station has been fixed on upwind direction & one at downwind direction.
17.	Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site- specific meteorological features.	Atmospheric Inversion Level are given at Para 3.15 Ground level Concentration of PM ₁₀ are given in Table 4.1
18.	Air quality modeling for ferro alloy plant for specific pollutants needs to be done. APCS for the control of emissions should also be included to control emissions within 50	Air Quality Modeling has been done using USEPA software ISCST- III. Parameters have been modeled as per AAQ standards. They are covered at Par 4.3.3. Air pollution control system to control emissions is

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	mg/Nm ³	given in Chapter –IV
19.	Ambient air quality as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 should be included.	Ambient Air Quality has been studied with reference to AAQ Standards vide GSR No.826 (E) dated 16.11.09
21.	Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.	Process of assessment of project related activities on ambient air quality in study area includes air pollutants generated by transport of raw materials item 4.3 A (IV).
22.	An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414 (E) dated 30 th May, 2008.	Action Plan to control fugitive dust is given at Para 4.6.2. Monitoring plan for ambient air quality is covered in Chapter- VI
23.	Presence of aquifer/ aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.	Aquifer found within 1 km of project site has been described at Para 3.18. Proposal of recharge of aquifers have been covered at Para 4.10. Ground water is to be recharged by providing spread tank along the drainage channels.
24.	Source of surface / ground water level, site (GPS), cation, anion (ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rain fall, is charge rate, quantity, drainage and distance from project site should also be included.	Project will use ground water. Quality of ground water has been monitored. Quality analysis results has been given at Para 3.10 (Table 3.4). Surface water is not to be used for project.
25.	Ground water analysis with bore well data, lithologs, drawdown and recovery tests to quantify the area and volume of aquifers and its management.	Ground water analysis report has been given at Table 3.4
26.	Permission for the drawl of water. Water balance data must be provided.	Permission for drawl of ground water is not required as water requirement is only 30 KLD. Water Balance for project has been given at Fig. 4.2 & 4.3
27.	A note on the impact of drawl of water on the	Project will not draw water from river.

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	nearby River during lean season.	
28.	Action plan for rainwater harvesting measures.	Ground water recharge using rain water has been covered at Para 4.10
29.	Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained.	River water quality monitoring results at eight locations are given in Table- 3.5
31.	Pretreatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.	<ul style="list-style-type: none"> - Pretreatment of raw water is not required. Ground water is proposed to be used for plant, Quality of ground water is such that it does not require pre- treatment. - The plant has been designed on zero discharge principle. Waste water generated in the process is to be treated and recycled.
32.	Ground water monitoring minimum at 8 locations and near solid waste dump zone, Geological features and Geo- hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital.	<p>Ground water monitoring results are given at Para- 3.10 (Table- 3.4).</p> <p>Flora & Fauna has been studied given in Table- 3.11 to 3.15.</p>
33.	Action plan for solid/ hazardous waste generation, storage, utilization and disposal particularly coal middling's.	There is no generation of hazardous solid waste from the plant process. The proposal for disposal of other solid waste generated in the plant are given below;
34.	End use of solid waste and its composition should be covered. Toxic metal content in the waste material and its composition should also be incorporated particularly of slag.	<ul style="list-style-type: none"> - Rejects from washery containing 40% carbon are to be solid to brick kiln owners in the area.
35.	Provision of Toxic Chemical Leachability Potential (TCLP) test for the slag and its end use should be included.	<ul style="list-style-type: none"> - Middlings from the washery has good market as raw material for power plants, hence they will be sold to power plants. - There is no solid waste generation from hard coke plant. <p>As such, it may kindly be seen that there would be no issue relating to storage of solid waste.</p> <p>Since there is no generation of hazardous waste, there appears to be no need for TCLP test. Industrial process involved would not generate any slag.</p>

36.	Action plan for the green belt development plan in 33% area should be included.	Green Belt Development Plan is given at Para 4.6.2
37.	Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.	Flora & Fauna including terrestrial, avi and aqua occurring in study area has been studied. They are given in Table 3.10, 3.11, 3.12, 3.13, 3.14 & 3.15. No rare, endemic & endangered species have been found in study area.
38.	Disaster Management Plan including risk assessment and damage control needs to be addressed and included.	Disaster Management Plan is given in Para 7.2.
39.	Details regarding expected Occupational & Safety Hazards. Protective measures for Occupational Safety & Health hazards so that such exposure can be kept within permissible exposure level so as to protect health of workers. Health of the workers with special reference to occupational health. Plan of exposure specific health status evaluation of workers; pre placement and periodical health status of workers; plan of evaluation of health of workers by pre designed format, chest X-ray, audiometry, spirometry, vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations and plan of monthly and yearly report of the health status of workers with special reference to Occupational Health and Safety	Issues related to occupational & safety hazards are covered at Para 7.5. It has been proposed in the report that at pre placement stage, there will be medical examination of all workers covering statutory requirements and records of individual workers will be maintained. During the operational stage of the project all workers will pass through medical checkup at regular intervals and records of such testes will be maintained. Arrangements will be made with ESI for regular checkups and medical attendance.
40.	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and item- wise details along with time bound action plan should be included. Socio- economic development activities need to be elaborated upon.	Provisions for CSR activities are covered at Para- 4.7. A sum of Rs. 20 lakhs which works out to be 5% of capital cost of the plant (Rs. 4 Crore) has been provided.

SEAC was satisfied with the replies and based on the same it recommends to SEIAA for its consideration for grant of EC.

B. Projects recommended to SEIAA for consideration of grant of EC.

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5. Goglo Sand Mine Project of M/S Adibasi Welfare Society at Village – Goglo, Nutangarh, P.O+ Thana- Mohishol, Dhalbhumgarh, Dist.- East Singhbhum, Jharkhand (8.033 Ha).

Consultant- M/S Green Cindia Consulting Pvt. Ltd, Ghaziabad, RQP- Shri P.K. Sen

PP had earlier applied for EC considering Plot No.- 794. PP had approached SEIAA to revise the plot no. 794 to plot no. 545. SEIAA vide its meeting held on 14.11.2015 had decided

Project proponent has modified by Form-I & PFR. SEIAA decides to refer the matter to SEAC for its consideration.

PP has now revised his application considering Plot No.- 545

This is a Sand Mining Project for having an area of 8.033 Ha [Plot No-545]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 358 , dated- 01.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

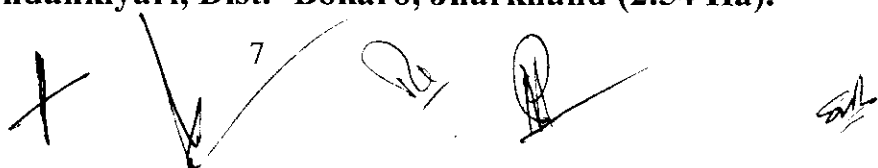
The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 75.00 Lakh and a provision of Rs 0.70 Lakh has been indicated for Environment management.

The proposed estimated reserve is 81312 cum and annual production capacity as per Form I has been indicated as 65026 cum per annum.

PP has submitted certificates from DFO & DMO. PP has submitted an Affidavit that there is no intake well, breeding and bridge within 500 m of mine.

Based on the presentation made and information provided the Committee recommends that the proposal for Goglo Sand Mine Project of M/S Adibasi Welfare Society at Village – Goglo, Nutangarh, P.O+ Thana- Mohishol, Dhalbhumgarh, Dist.- East Singhbhum, Jharkhand (8.033 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure I.

6. Murludih Balughat on River Govai of Shri Manoj Kumar Singh at Village- Sutribeda, Anchal- Chandankiyari, Dist.- Bokaro, Jharkhand (2.54 Ha).

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Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Tapan Kumar Chakravarty

PP had earlier applied for EC considering Plot No.- 2114 (P). PP had approached SEIAA to revise the plot no. 2114 (P) to plot no. 2414 (P). SEIAA vide its meeting held on 14.11.2015 had decided

Project proponent has modified by Form-I & PFR. SEIAA decides to refer the matter to SEAC for its consideration.

PP has now revised his application considering Plot No.- 2414 (P)

This is a Sand Mining Project for having an area of 2.54 Ha [Plot No.- 2414 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 2194, dated- 27.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 68.18 Lakhs (revised) and a provision of Rs 2.50 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 42,000 cum and total annual production capacity as per Form I has been indicated as 35,000 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Murludih Balughat on River Govai of Shri Manoj Kumar Singh at Village- Sutribeda, Anchal- Chandankiyari, Dist.- Bokaro, Jharkhand (2.54 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

7. Tetariya Sand Mining Project on Ajay River of Sri Om Prakash at Village- Tetriya, Thana- Jasidih, Dist.- Deoghar, Jharkhand (3.439 Ha).

Consultant- M/S En-Vision Environmental Services, Surat, RQP- Shri Tapan Kumar Chakraborty

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The project was presented before SEAC on 10.09.2015. PP was asked to submit clarification/additional information. Subsequently, a complaint was received from Sri Ramdev Mahto on 11.09.2015 that illegal mining was being carried out which will cause damage to Dam. Member Secretary, SEIAA had written to DC, Deoghar to get the matter examined. DC, Deoghar vide his letter no.- 1553, dated 25.10.2015 has clarified the matter in which he has indicated that the complaint made was found to be untrue. As such the case was considered by SEAC in its meeting held on 01st to 05th December, 2015.

This is a Sand Mining Project for having an area of 3.439 Ha [Plot No-169]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1053, dated- 26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 50.00 Lakh and a provision of Rs 2.10 Lakh has been indicated for Environment management.

The proposed estimated reserve is 39,971 cum and annual production capacity as per Form I has been indicated as 39,971 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 500 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Tetariya Sand Mining Project on Ajay River of Sri Om Prakash at Village- Tetriya, Thana- Jasidih, Dist.- Deoghar, Jharkhand (3.439 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure I.

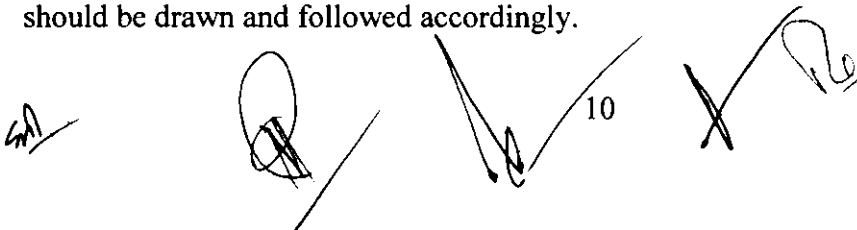
Annexure I

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. The mining work will be open-cast and exclusively manual. No mechanical work or drilling / blasting should be involved at any stage.

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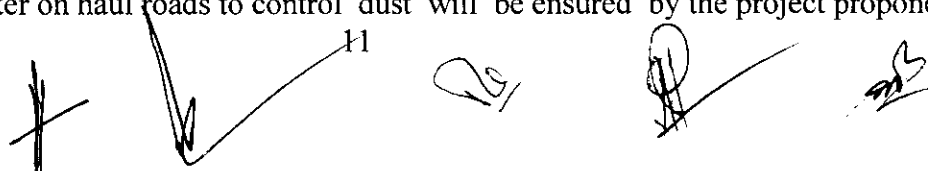
3. The mining is confined to extraction of sand from the river bed only. No mining is to be carried out in water stream. It shall be ensured that there shall be no mining beyond 03 m or upto water level which ever is less in the issue of Sand Mining or Sand / Gravel Mining should be raised 15 meter away from the river side or mining should be restricted from the distance equal or more than 1/5 module of river width shall be left on both the banks of precise area to control and avoid erosion of river bank.
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(I), 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.

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13. Solid waste material viz., gutkha pouchs, 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. Project falling within 1.0 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
15. 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.
16. Local flora may be planted in the Core Zone of the Mining Lease area.
17. 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.
18. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
19. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
20. 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.
21. 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.
22. 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.
23. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
24. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
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.

B. General conditions

1. Any change in mining area Plot / Khata numbers, entailing capacity addition with change in process and or mining technology modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended), SEIAA guidelines and Supreme Court judgement on the subject.
2. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation, Sprinkling of water on haul roads to control dust will be ensured by the project proponent.

The bottom of the page features several handwritten signatures and initials in black ink. From left to right, there is a vertical signature, a signature with a long horizontal stroke extending to the right, a circular stamp or signature, another signature with a long horizontal stroke, and a final signature on the far right.

3. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
4. Parking of vehicles should not be made on public places.
5. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
6. No wildlife habitat will be infringed.
7. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed / basin, where, mining is carried out.
8. It shall be ensured that mining operation will not in any way disturb the, velocity and flow pattern of the river water significantly.
9. It shall be ensured that there is no fauna dependant on the river bed or areas dose to mining for its nesting, primary survey of flora and fauna shall be carried out and data / report on the same, vetted by the competent authority shall be submitted to the RO, JSPCB and SEIAA within 03 months of grant of EC.
10. The proponent shall observe every 15 day for nesting of any turtle hill stream fishes in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat / nesting area is undisturbed.
11. Hydro- geological study shall be carried out by reputed organization / institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the DMO, JSPCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
12. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the DMO, JSPCB and SEIAA and this activity should be completed before the start of sand mining.
13. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
14. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO / Horticulture Officer. At least 33 % equivalent to lease area is to be covered with local species of plant. Plantation is to be carried out along Village road and other roads, community places like schools, temples, religious places, panchayat bhawan, etc.



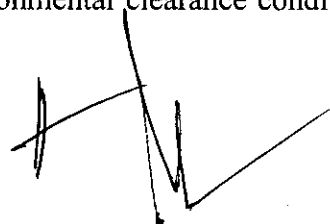


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15. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
16. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities, Maintenance of Village roads through which transportation of minerals is to be undertaken, shall be carried out by the project proponent regularly at his own expenses.
17. Measures for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geo textile matting or other suitable material.
18. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
19. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile / insect like snake. Periodical and Annual medical check up of workers as per Mines Act and they should be covered under ESI as per rule.
20. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
21. The Project proponent shall maintain register for production and dispatch and submit return to the SEIAA / JSPCB / concerned authorities.
22. 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.
23. 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.
24. Personnel working in dusty areas should wear 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.
25. Dispensary facilities for First Aid shall be provided at site.
26. 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.
27. 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).
28. 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.
29. 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 Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.

30. 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.
31. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / 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.
32. 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 be sent to the concerned Regional Office of JSPCB by e-mail.
33. 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 shall be valid for the period of grant of lease for the mine. The PP shall 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 Trans boundary 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.

C. Expansion of Non-Recovery Coke Oven Plant of M/s Bihar Hard Coke Mfg. Co. Pvt Ltd at Village- Udaipur, Tehsil- Kalyanpur, Dist.- Dhanbad, Jharkhand.


PP alongwith their consultant M/s Visiontek Consultancy Pvt Ltd, Bhubaneshwar made a presentation before SEAC. PP was asked to submit the following

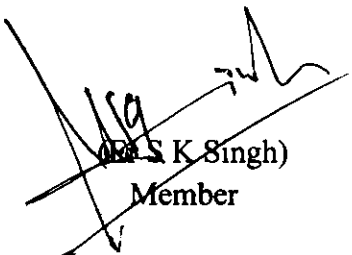
1. Flora & Fauna list to be duly authenticated by DFO, Dhanbad.

2. Time bound for programme implementation of CSR activities.
3. Agreement for supply of water for the plants.
4. Status of credible action.

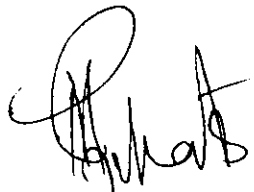
It was decided that the next meeting of SEAC will be held from 18th to 24th December, 2015.


The meeting concluded with thanks to all present.



(S.B.S Chauhan)
Member

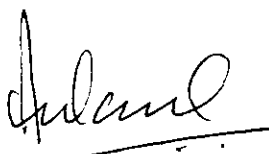

(S.K. Singh)
Member


(Dr. R.P. Singh Sangu)
Member


(Prof. (Dr.) M.C. Mahata)
Member


(Prof (Dr) Shatrunjay Kumar Singh)
Member


(S.K. Suman)
Secretary


(A K Saxena)
Chairman

List of Proposals for Re – Presentation

Sl. No	File No	Name of the Proposal	Name of RQP	Name of Consultant
1.	145	Chaprwar Stone Mine -1, Palamu (Area- 1.2707 Ha) M- 9471753355 / 916293002	Sri D.P. Choudhary	–
2.	447	Karhadih Stone Mine – Giridih – 0.63 Ha M- 9955168224	Sri B. Tirkey	Sathi Consultant
3.	86	Stone Quarry of Dardaha – Dhanbad (Area-0.64 Ha) M- 9431187720	Sri B. Tirkey	–
4.	352	Mahaveer Engincons Pvt. Ltd. – Sahebganj (Area-3.10 Ha) M- 8083333333	Sri J. P. Bhattacharaya	Crystal
5.	49	Stone Quarry at Ulidih – Ranchi (Area-2.429 Ha) Mail-ID- hyd@keystoneinfra.com	Sri M.K. Mukhopadhyaya (Jems Projects)	–
6.	225	Ruchap Stone Mine at Gata- 622 of M/s Sri Pradeep Kr. Jaiswal (M- 9955363642)	Sri P.K. Sen	ENV Das
7.	115	Chikor Stone Mine – Khunti (Area-4.51 Ha) M- 9771698802	Sri J. P. Bhattacharaya	Crystal
8.	482	Stone Quarry at Patradih - Griridih (Area-2.12 Ha) M- 7779988826	Sri Ajay Shankar	Enviro Consultan
9.	384	Gughipal Stone Mine – East Singhbhum (Area- 2.91 Ha) M- 8674907839	Sri R. N. Singh	Sathi Consultant
10.	105	M/s Sona Stone Chips – Palamu (Area-1.21 Ha) M- 9934110484 / 9304132412	Dr. M. K. Chakraborty	–
11.	137	Nawadih Panari Stone Quarry – Chatra(Area-0.67 Ha) M- 9973283175	Sri P.K. Sen	–
12.	39	Paharpur Stone Quarry – Koderma (Area-1.00 Ha) M- 9431142127	Dr. M. K. Chakraborty/ Sri B. Tirkey	Crystal
13.	32	Domchanch Stone Quarry Koderma(Area-1.38 Ha) M- 9430785639	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	Crystal
14.	138	Pali Stone Quarry- Chatra (Area-1.66 Ha) M- 9973283175	Dr. M. K. Chakraborty/ Sri P.K. Sen	–
15.	88	Stone Quarry of Kharkhar - Koderam (Area-0.445 Ha) M- 9162733660 / 9939369012	Dr. M. K. Chakraborty/ Sri P.K. Sen	– Enviro Consultant
16.	480	Stone Mining Project of M/s Manish Kumar Lal M- 9431116404	Sri J. P. Bhattacharaya	Envirotech Eas
17.	84	Stone Quarry at Kurkheta M/s Sumvansy Construction M- 9006602886	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	–
18.	170	Kwality Stone Products – Sahebganj (Area-2.884 Ha) M-7250750550/ 8877165258	Sri J. P. Bhattacharaya	Crystal
19.	144	Chaprwar Stone Mine -2, Palamu (Area- 2.238 Ha) M- 9471753355 / 916293002	Sri D.P. Choudhary	–
20.	152	Mahuatnr Stone Mine – Haribagh (Area-0.84 Ha) M- 9431163234	Sri P.K. Sen	–
21.	36	Taratand Stone Quarry of Devendra Prasad Mehta M- 9431505216	Sri Debasish Gouda/ Sri P.K. Sen	Envomin Consultant, Bhubaneshwar
22.	116	Dugdugia Stone Deposit – Khunti, (Area- 2.67 Ha) M- 9661545433	Sri G. S. Jaiswal	Visiontek
23.	99	Balsiring Stone Mine Ranchi, (Area- 4.45 Ha) M- 9431106690	Sri P.K. Sen	–

24.	34	Domchanch Stone Quarry – Koderma (Area-1.42 Ha) M- 8809919714	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	Crystal
25.	204	Stone Mine of Karhadih & Khargadiha (M- 9431926358/ 8292478849)	Sri P.K. Sen	Annacon Lab
26.	40	Bagmati Damodar Minerals & Agro Pvt. Ltd. of Manvendranath Jha (M- 9135358973)	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	Crystal
27.	85	Stone Mining at Bagmara – Dhanbad (Area-0.81 Ha) M-8969129636	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	–
28.	43	Munker Stone Mine of M/s Rajkumar Khurana M- 8102431600	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	–
29.	102	Stone Quarry at Tham of Sri Jivlal Yadav – Koderma (Area-0.63 Ha) M- 9934142909	Sri M.K. Mukhopadhyaya/ Sri R. N. Singh	–
30.	64	Purnadih Stone Quarry of Sri Umakant Rana– Koderma, (Area-0.34 Ha) M- 9934142909	Sri Debasish Gouda/ Sri P.K. Sen	–
31.	87	Stone Quarry at Tham M/s Rastria Stone Chips – Koderma (Area-1.36 Ha) M- 9934396853/ 9470504666	Sri M.K. Mukhopadhyaya/ Sri N.K. Sanyal/ Sri P.K. Sen	–
32.	188	Ranjeet Kr. Mondal Stone Quarry (M- 943177730)	Sri N.K. Sanyal/ Sri Ajay Shankar	–
33.	165	Stone Quarry at Khora of M/s Jagdish Sahu	Sri J. P. Bhattacharaya	Crystal
34.	113	Nawada Stone Quarry of M/s Vinyak Minerals – Koderma (Area-0.28 Ha) M- 9934146931	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	Crystal
35.	35	Jugra Stone Quarry of M/s Maa Jagdamba Hazaribagh (Area. 1.72Ha) M-	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	Crystal
36.	362	Haridih Stone Mine of M/s Gupta Minerals, East Singhbhum (M- 9955709763)	Sri P.K. Sen	ENV Das
37.	65	M/s Jai Durga Stone Works of Purnadih - Kodarma, (Area-0.211 Ha) M-9431387846/ 9431503873	Sri Debasish Gouda/ Sri P.K. Sen	Envomin Consultant, Bhubaneshwar
38.	83	Stone Mine of Kurkheta of M/s Somvansi Construction (M- 900662888)	Sri M.K. Mukhopadhyaya/ Sri B. Tirkey	–
39.	379	Stone Quarry at Futkadih of M/s Radhanath Soren (M- 9939810361)	Sri Ajay Shankar	–
40.	630	Gharatia Stone Deposit of Sri Sanjay Kumar (M- 9162880147/ 9334281046)	Sri J. P. Bhattacharaya	Crystal
41.	456	Quartzite Mining Project of M/s Janakraj Goyal Saraikela Kharsawan (Area 1.2 Ha) M- 9934186961	Sri Chinmoy Dey	Envirotech Eas
42.	146	Saroj Minz Stone Mine of Smt. Saroj Minz– Gumla (Area-0.81 Ha) M- 9572726885	Sri G. S. Jaiswal	Visiontek
43.	368	Rahagutu Stone Mine of M/s Vishal Construction M- 7794022222	Sri Ajay Shankar	G.R.C.
44.	592	Stone Quarry at Chilgara of Sri Mithilesh Kumar M- 9431322615	Sri Ajay Shankar	G.R.C.
45.	576	Basia Stone Mine of M/s Sarthak Stone of Sri Kamal Kant – Gumla (Area-2.12 Ha) M- 9431543199/9631987296	Sri J. P. Bhattacharaya	Crystal
46.	347	Karundi Stone Deposit of Sri Bisheshwar Sahu (M- 9771328971)	Sri P.K. Sen	G.R.C.

List of Checked Approved Mining Plan

Sl. No	File No	Name of the Proposals
1.	386	Dumardih Stone With Crusher, Dist- Gumla (Area- 2.26 Ha)
2.	348	Om Prakash Stone Palamu (Area- 2.3 Ha)
3.	341	Vindhwasni Stone Mine, Palamu (Area- 0.951 Ha)
4.	172	Dantuta Stone Deposit, Palamu (Area- 3.659 Ha)
5.	365	Karoundajore Stone Mine. Gumla (Area- 0.40 Ha)
6.	376	M/S Diversifited Vyapar Pvt Ltd. Deoghar, (Area- 1.62 Ha)
7.	231	Dumerdih Stone Mine Gumla (Area- 0.81 Ha)
8.	245	Quartzite Quarry at Barai Bokaro,(Area- 0.76 Ha)
9.	157	Stone Quarry at Fakiradih Dhanbad, (Area- 0.81 Ha)
10.	343	Bhawani stone Mine – Palamu, (Area- 0.97 Ha)
11.	619	Asni Stone Deposit – Gumla, (Area- 1.01 Ha)
12.	98	Stone Quarry of Dungalra – Khunti (Area- 3.34 Ha)
13.	140	Nawadih Pahari Stone Mine – Chatra (Area- 0.70 Ha)
14.	124	Kailadhab Stone Mines – Giridih (Area- 1.01 Ha)
15.	539	Karoundajor Stone Mine – Gumla (Area- 3.64 Ha)
16.	613	Udiya Stone Deposit – East Singhbhum (Area- 3.23 Ha)
17.	391	Kogro Stone Deposit- Deoghar (Area- 0.32 Ha)
18.	493	Murkum Stone Deposit- Saraikela Kharsawan (Area-3.40 Ha)
19.	363	Tetra Stone Deposit – Gumla (Area-0.80 Ha)
20.	625	Tangarjora Stone Mine - Saraikela Kharsawan (Area-4.86 Ha)
21.	110	Shiv Jyoti stone Minerals – Koderma (Area-0.809 Ha)
22.	77	Metal Stone Mine with Crusher- Dhanbad (Area-1.65 Ha)
23.	626	Kantabani Stone Deposit – East Singhbhum (Area-4.85 Ha)
24.	159	Iligara Stone Mine - West Singhbhum (Area-1.837 Ha)
25.	154	Stone Quarry of Saharpura – Dhanbad (Area-1.17 Ha)
26.	455	Stone Mine of Maa Ambay Mines- Koderma (Area-2.02 Ha)
27.	622	Parariya Stone Mine –Deoghar (Area-2.43 Ha)
28.	151	Jogiral Khurd Stone Deposit – Garhwa (Area-3.24 Ha)
29.	499	Hutar Stone Mine – Khunti (Area-0.809 Ha)
30.	156	Hulsam Stone Mine – Palamu (Area- 0.45 Ha)
31.	628	Arjua Quartzite Stone Deposit – Bokaro (Area-1.00 Ha)
32.	629	Kuruchhatarpur Stone Deposit – Gumla (Area-1.01 Ha)
33.	416	Jhabar Stone Mine - -Palamu (Area-3.24 Ha)
34.	95	Murumdag Stone Mine - Palamu (Area-0.81 Ha)
35.	367	Fasia Stone Mine – Gumla (Area-1.21 Ha)
36.	350	Stone Mine of Shri Sanjay Kr. Singh – Gumla (Area-2.025 Ha)
37.	439	Dudhiya Stone Deposit with Crusher – Dhanbad (Area-0.76 Ha)
38.	150	Stone Mine with Crusher at Karmatand – Giridih (Area- 0.777 Ha)
39.	198	Ganga Construction – Ranchi (Area-2.42 Ha)
40.	247	Jai Bajrang Stone Mine – Palamu (Area-0.813 Ha)

41.	139	Dalkoma Stone Mine – Chatra (Area-4.05 Ha)
42.	342	Uday Stone Mine – Palamu (Area-2.88 Ha)
43.	196	Jai Shankar Stone Works – Chatra (Area-0.713 Ha)
44.	153	Jatpur Stone Mining – Garhwa (Area-0.303 Ha)
45.	259	Dolaraidih Stone Mine – Diridih (Area-0.668 Ha)
46.	258	Ektarwa Stone Mine – Giridih (Area-0.324 Ha)
47.	97	Stone Quarry at Keonjari – Ranchi (Area-2.18 Ha)
48.	195	Priya Stone Mine – Latehar (Area-2.95 Ha)
49.	109	Alagdesi Stone Mine – Giridih (Area-0.355 Ha)
50.	59	Madhucon Project Limited – Ranchi (Area-4.05 Ha)
51.	424	Maa Stone Works – Palamu (Area-4.047 Ha)
52.	448	Kenduakola Stone Mine – Giridih (Area-0.81 Ha)
53.	349	Utaki Stone Mine – Palamu (Area-1.61 Ha)
54.	450	Domchanch Stone Mine – Koderma (Area-2.72 Ha)
55.	564	Bara Bhumri Stone Mine- Eest Singhbhum (Area-3.00 Acre)
56.	186	Stone Quarry of Goalmara – Dhanbad (Area- 1.82 Ha)
57.	148	Pavitra Dharti Stone Quarry Koderma (Area-1.41 Ha)
58.	160	Baijudih Stone Mine
59.	380	Daloradih Stone Mine
60.	187	Baijudih Stone Quarry – Giridih- (1.012 Ha)
61.	596	Padapahar Stone Mine –West Singhbhum-(1.01 Ha)
62.	147	Ektarva & Parodih Stone Quarry Giridih- (0.36 Ha)
63.	492	Tajpur Stone Mine – Hararibagh (Area-0.56 Ha)
64.	30	Domchanch stone Mine – Koderma (Area-1.113 Ha)
65.	197	M/s Sarbashree Sheo Inder Pathar Udyog – Sahebganj- (Area-1.62 Ha)
66.	419	Umri Stone Mine – Lohardaga- (Area-1.21 Ha)
67.	75	Metal Stone Mine of Govindpur (Area-2.4281 Ha)
68.	392	Kantphari Stone Deposit – Dumka (Area-1.935 Ha)
69.	37	Banpur Stone & Morrur Mine – Latehar (Area-0.47 Acre)
70.	142	Stone Quarry at Tham- Koderma (Area-1.52 Ha)
71.	71.	Stone Mine of M/s Adarsh Group – Sahibganj- (Area- 3.035 ha)
72.	58.	Madhucon Project Buildcon –Saraikela Kharsawan (Area- 8.0 Acre)
73.	103	M/s Dhanluxmi Stone Works – Koderma (Area- 2.81 Ha)
74.	373	Stone Boulder Mining Shopping – Saraikla Kharsawan- (Area- 1.68 Ha)
75.	171	Maa Gayatri Stone Works – Chatra, (Area- 1.74 Ha)
76.	104	Dhan Laxmi Stone Works – Koderma, Area- (0.40 Ha)
77.	390	Aharichuan Stone Deposit
78.	399	Koderma Stone Mine
79.	377	Stone Mine of Nitesh Sarada
80.	378	Balsiring Stone Mine
81.	383	Banskola Stone Mine
82.	465	Adar Stone Mine
83.	434	Stone Mine of Raj Kr. Pathak
84.	491	Dundu Stone & Morrur Stone Deposit
85.	462	Stone Mine of Santosh Kr. Munshi

86.	405	Koderma Stone Mine of Ram Chandra Mehta
87.	412	Bandadag Stone Mine
88.	466	Stone Mine of M/s Bamapada Auddy
89.	112	Gamhar Kocha Stone Deposit
90.	203	Lalpur Stone Mine (N)
91.	27	Stone Quarry Ram-Con Infra Structure
92.	584	Stone Mine of Kalidashpur Stone Mine
93.	586	Karmali Stone Deposit
94.	230	Patraur Stone Mine
95.	232	Banshpahari Stone Mine
96.	257	Kurkheta Stone Mine of M/s Somvensy Construction (Submitted before notice dispatch)
97.	558	Jumal Stone Mine
98.	591	Domchanch Stone Deposit
99.	158	Manglashahi Stone Quarry
100.	90	Utaki Stone Deposit
101.	91	Nitesh Sarda Stone Mine
102.	166	Stone Quarry at Khora
103.	611	Nejam Ansari Stone Min
104.	167	Banspahari Stone Mine
105.	92	Netesh Sarda Stone Crusher & Mine
106.	227	Royadih Stone Mine
107.	229	Stone Quarry at Dudhiya
108.	344	Dandoul Stone Mining along with Crusher
109.	317	M/s Jai Sri Ram Lala Stone
110.	246	Apco Stone Mine
111.	346	Karoundi Jora Stone Deposit
112.	364	Karoundi Jora Stone Deposit
113.	409	Langraparas Stone Mine
114.	415	M/s Jai Maa Mangala Gauri
115.	445	Sorha Stone Mines
116.	410	Langrapara Stone Mine

Project Recommended as per Approved Mining Plan

117.	612	Ganpati Stone Works, Chatra (Area- 2.62 Ha)
118.	545	Kharkhar Stone Mine – Koderma (Area- 0.61 Acre)
119.	590	Stone Mine of M/s Umesh Stone Works
120.	521	Belatand Stone Mine
121.	431	Bandadag Stone Deposit