

**PART- A MINUTES OF THE 29<sup>th</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 29<sup>th</sup> to 30<sup>th</sup> JUNE & 01<sup>st</sup> to 02<sup>nd</sup> JULY, 2015**

The 29<sup>th</sup> meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 29<sup>th</sup> to 30<sup>th</sup> June & 01<sup>st</sup> to 02<sup>nd</sup> Jul, 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. Prof (Dr) Shatrunjay Kumar Singh - Member
7. Shri S.K. Suman - Secretary

Various projects which were received by SEIAA after the previous SEAC meeting held from 27<sup>th</sup> to 30<sup>th</sup> April, 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. Arkosha Stone Deposit of Sri Aman Ansari at Village – Arkosha, Tehsil- Lohardaga, District- Lohardaga, Jharkhand (1.372 Ha).**

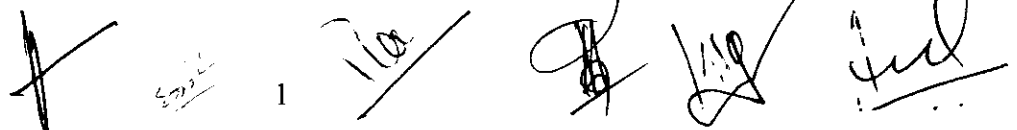
Sri Nejam Ansari had placed the application dated 23.01.2015 which was presented to SEAC in its meeting held from 16<sup>th</sup> to 18<sup>th</sup> February, 2015 in which the project was recommended for clearance. In the above application CO, DFO & DMO have all given the required information / certificates.

Nejam Ansari has submitted a letter dated 16.06.2015 through which he has informed that application has been filed by Sri Aman Ansari for the same deposit. Sri Aman Ansari had submitted his application on 08.04.2015 which was presented to SEAC in its meeting held from 27<sup>th</sup> to 30<sup>th</sup> April, 2015.

Based on the application submitted by the Sri Nejam Ansari dated 16.06.2015 the matter was reviewed. It has been found that both the cases have identical Plot No., Khata No. and Area. Certificates have been issued by CO, DFO & DMO. The matter was deliberated by SEAC and it was decided to suggest to SEIAA, that the case be referred to D.C, Lohardaga so that he can inquire about the matter.

**B. The following projects were recommended for consideration of EC under without Approved Mine Plan. Subsequent the meeting held on 27<sup>th</sup> to 30<sup>th</sup> April, 2015. The following proponents have submitted Approved Mine Plan:-**

- I. Kirokuria Stone Mine of Shri Madan Kant at Village – Kirokuria, P.O – Sakrigali, P.S- Taljhari, Dist.- Sahibganj, Jharkhand (2.428 Ha).
- II. Mishrol Stone Mine of M/S Maa Suruchi Stone Works at Village – Mishrol, P.O- Tapej, P.S- Chatra, District- Chatra, Jharkhand (1.09 Ha).



- III. Golpahari Stone Mine of Shri Amit Kumar Pandey at Village – Golpahari, Tehsil- Jamtara, District- Jamtara, Jharkhand (4.45 Ha).
- IV. Basko Stone Mine of M/S Maa R.K. Construction at Village – Basko, P.O – Ghatiyari, Tehsil- Rajmahal, District- Sahibganj, Jharkhand (2.376 Ha).
- V. Borna Stone Mine of M/S Rajan Stone Works at Village – Borna, P.O- Bishanpur, Tehsil- Pathna, District- Sahibganj, Jharkhand (1.89 Ha)
- VI. Gadaitungi & Chalpahar Stone Mine of M/S Swastik Mineral Agency at Village – Gadaitungi & Chalpahar, Tehsil- Taljhari, District- Sahibganj, Jharkhand (2.63 Ha)
- VII. Stone Mining Project of M/S Chacha Bhatija Stone Works at Mouza – Kashila, Thana- Pakur, Dist.- Pakur, Jharkhand (1.74 Ha).
- VIII. Biswani Stone Mining Project of M/S Rafik Ansari at Mouza – Biswani, Thana- Mohanpur, Dist.- Deoghar, Jharkhand (1.34 Ha)
- IX. Chainpur Stone Mine of M/S Santhal Enterprises at Village – Chainpur, Thana - Balidih, District- Bokaro, Jharkhand (2.25 Ha)
- X. Rajguru Stone Mine of Shri Rakesh Kumar Singh at Village- Rajguru, Thana- Basisthnagar, Chatra, Jharkhand. (1.00 Ha).

**The above cases were recommended to SEIAA for consideration of grant of EC under category not approved mine plan. The PP's have submitted approved mine plan and an undertaking stating that there is no change in Mine Plan between that presented and that approved by authorised representative of Govt. of Jharkhand. SEIAA may consider grant of EC under category Approved Mine Plan. The conditions applicable for this cases will be as follows.**

### **C. Projects recommended to SEIAA for consideration of grant of EC.**

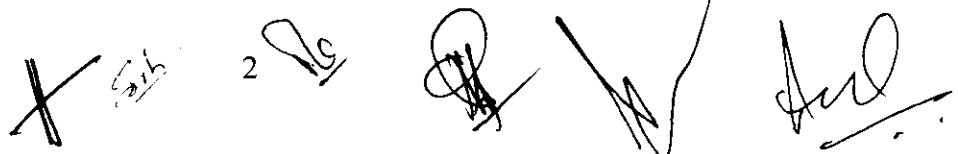
#### **1. Proposals related to Stone Mine (New Project & Approved Mine Plan)**

##### **I. Stone Quarry at Churchu of Shri Dilip Kumar at Village- Churchu, P.O.- Ichak, Thana- Sadar, District- Hazaribagh, Jharkhand.(0.41 Ha).**

**Consultant- M/S Pollution & Ecology Control Services, Nagpur, RQP- Shri N.K. Sanyal**

This is a Stone Mining Project for having an area of 0.41 Ha [Plot No- 3 & 4]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 25.00 lakhs and a provision of Rs 1.00 lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 1,44,312 t

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

1 <sup>st</sup> Year	:	7500 t
2 <sup>nd</sup> Year	:	7503 t
3 <sup>rd</sup> Year	:	7500 t
4 <sup>th</sup> Year	:	7500 t
5 <sup>th</sup> Year	:	7491 t

The daily production as per Form 1 is 25 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Stone Quarry at Churchu of Shri Dilip Kumar at Village- Churchu, P.O.- Ichak, Thana- Sadar, District- Hazaribagh, Jharkhand.(0.41 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure I.**

## **II. Bandua Stone Deposit of M/S Prakhar Vyapar Pvt. Ltd.at Village - Bandua, Tehsil - Rajnagar, Dist.- Saraikela-Kharsawan, Jharkhand (4.93 Ha).**

**Consultant- M/S Safe Environment, Singhbhum East, RQP- Dr. G.S. Jaiswal**

This is a Stone Mining Project for having an area of 4.93 Ha [ Khata No.- 192, Plot No- 1324 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 30.00 Lakhs and a provision of Rs 4.20 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 32,04,160 t

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

1 <sup>st</sup> Year	:	2,00,000 t
2 <sup>nd</sup> Year	:	3,00,017 t
3 <sup>rd</sup> Year	:	3,50,007 t
4 <sup>th</sup> Year	:	3,50,004 t
5 <sup>th</sup> Year	:	3,50,008 t

The daily average production based on 300 working days as per is 1167 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Bandua Stone Deposit of M/S Prakhar Vyapar Pvt. Ltd. at Village - Bandua, Tehsil - Rajnagar, Dist.- Saraikela-Kharsawan, Jharkhand (4.93 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure I.**

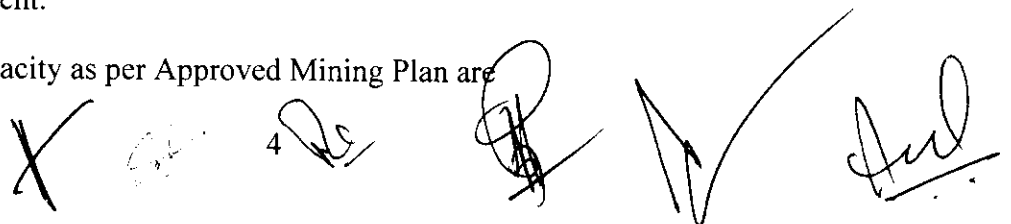
**III. Amainagar Stone Deposit of M/S J. J. Industries at Village – Amainagar, Thana - Chandankyari, District- Bokaro, Jharkhand (1.82 Ha).**

**Consultant- M/S Ascenso Management and Consulting Services Pvt Ltd, Noida, U.P, RQP- Sri Ajay Shankar**

This is a Stone Mining Project for having an area of 1.82 Ha [ Khata No.- 141, Plot No- 1504 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 18.00 Lakhs and a provision of Rs 1.62 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are



Mineable Proved Reserve : 6,45,678 t

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

1 <sup>st</sup> Year	:	65,435 t
2 <sup>nd</sup> Year	:	65,405 t
3 <sup>rd</sup> Year	:	65,362 t
4 <sup>th</sup> Year	:	65,408 t
5 <sup>th</sup> Year	:	65,459 t

The daily production as per Form I is 218 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Amainagar Stone Deposit of M/S J. J. Industries at Village – Amainagar, Thana - Chandankyari, District- Bokaro, Jharkhand (1.82 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I**

**IV. Karaundajore Stone Deposit of Shri Hemant Kumar Ohdar at Village – Karaundajore, Thana - Gumla, District- Gumla, Jharkhand (2.83 Ha).  
Consultant- M/S Ascenso Management and Consulting Services Pvt Ltd,  
Noida, U.P, RQP- Sri D.P. Choudhary**

This is a Stone Mining Project for having an area of 2.83 Ha [ Khata No.- 167, Plot No- 2147 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

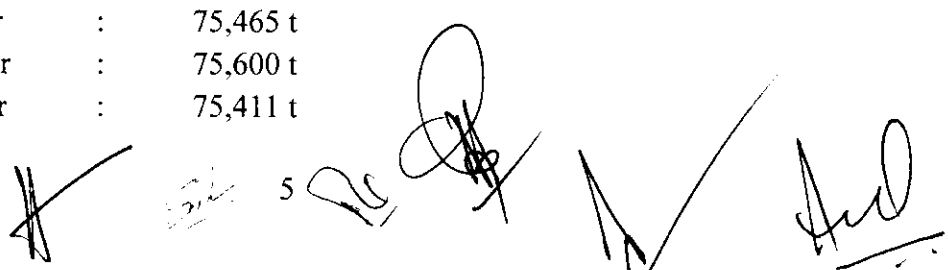
The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 19.50 Lakhs and a provision of Rs 1.47 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 7,18,519 t

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

1 <sup>st</sup> Year	:	75,465 t
2 <sup>nd</sup> Year	:	75,600 t
3 <sup>rd</sup> Year	:	75,411 t



4<sup>th</sup> Year : 75,587 t  
5<sup>th</sup> Year : 75,665 t

The daily production as per Form I is 252 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Karaundajore Stone Deposit of Shri Hemant Kumar Ohdar at Village – Karaundajore, Thana - Gumla, District- Gumla, Jharkhand (2.83 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I**

**V. Rawankocha Stone Deposit of M/S Shaligram Infrastructure Pvt. Ltd at Village – Rawankocha, Tehsil- Rajnagar, District- Saraikela-Kharsawan, Jharkhand (2.12 Ha).**

**Consultant- M/S Safe Environment, Singhbhum East, RQP- Dr. G.S. Jaiswal**

This is a Stone Mining Project for having an area of 2.12 Ha [ Khata No.- 56, Plot No- 491 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 20.50 Lakhs and a provision of Rs 3.86 Lakhs will be kept for Environment management.

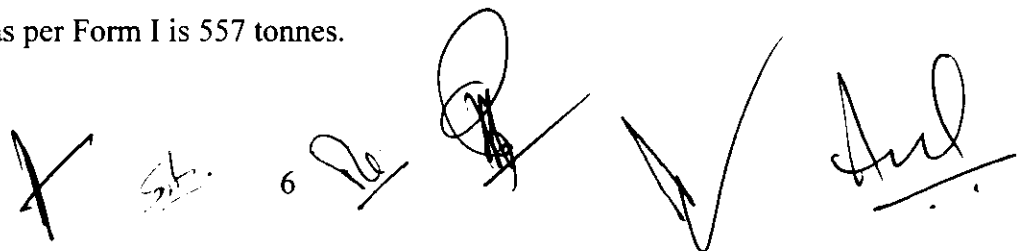
The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 4,42,837 t

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

1<sup>st</sup> Year : 30,000 t  
2<sup>nd</sup> Year : 1,20,000 t  
3<sup>rd</sup> Year : 1,50,000 t  
4<sup>th</sup> Year : 1,67,263 t  
5<sup>th</sup> Year : 1,60,549 t

The daily production as per Form I is 557 tonnes.

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PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Rawankochoa Stone Deposit of M/S Shaligram Infrastructure Pvt. Ltd at Village – Rawankochoa, Tehsil- Rajnagar, District- Saraikela-Kharsawan, Jharkhand (2.12 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I**

**VI. Udiya Stone Deposit of Shri Rajesh Kumar at Village – Udiya, P.O-Patamda, District- East Singhbhum, Jharkhand (0.93 Ha).**

**Consultant- M/S ENV DAS India Pvt Ltd, Lucknow, RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 0.93 Ha [ Khata No.- 624, Plot No- 4275 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 1.09 Crores and a provision of Rs 5.00 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

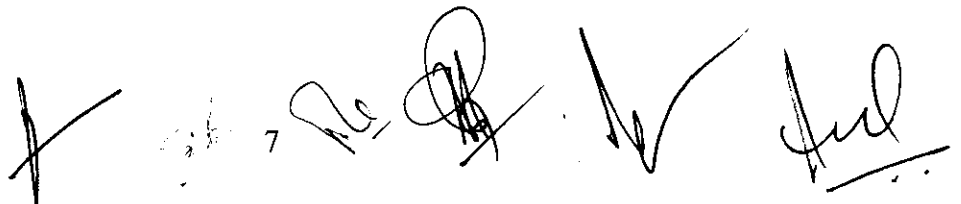
Mineable Proved Reserve : 3,29,721 t

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

1 <sup>st</sup> Year	:	33,810 t
2 <sup>nd</sup> Year	:	33,402 t
3 <sup>rd</sup> Year	:	33,324 t
4 <sup>th</sup> Year	:	33,513 t
5 <sup>th</sup> Year	:	33,213 t

The daily production as per Form I is 113 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

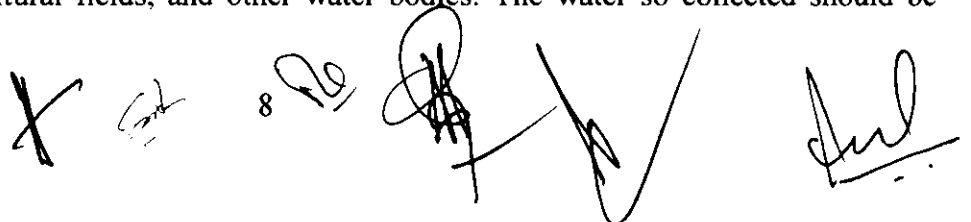


**Based on the presentation made and information provided the Committee recommends that the proposal for Udiya Stone Deposit of Shri Rajesh Kumar at Village – Udiya, P.O- Patamda, District- East Singhbhum, Jharkhand (0.93 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I**

## **Annexure -I**

### **A. Specific Conditions**

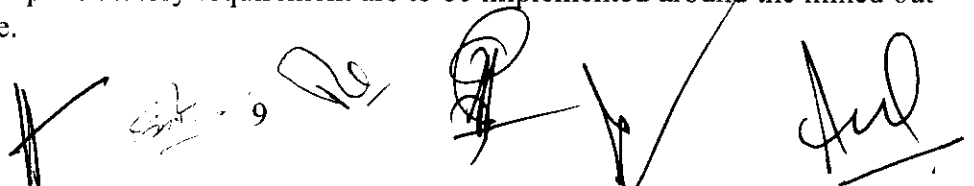
1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
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 fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred 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 above ground 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 SEIAA guidelines. 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 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 for 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 appropriate size 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 agricultural fields, and other water bodies. The water so collected should be

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utilized for watering the mine area, haul roads, green belt development etc. 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.
12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
13. Effective safeguard measures such as regular water sprinkling shall be carried out in 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 shall be carried out on haul roads which should be made pucca 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 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.
15. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required 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 and regularly monitored. 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 ore outside the mine lease area shall be carried out after the sunset.
18. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the 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. Drills shall either be operated with the dust extractors or equipped with water injection system.
20. 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.
21. Pre-placement medical examination and periodical medical examination of the workers engaged in the project 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 within 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 are to 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

**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 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 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.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.

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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,SO<sub>2</sub> ,NO<sub>x</sub> (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, 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.
16. The environmental statement for each financial year ending 31<sup>st</sup> 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**

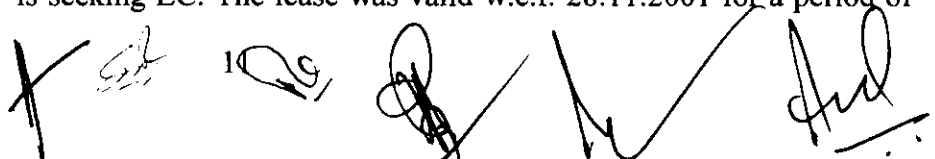
1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 10 years). 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 Tran 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.

**Proposals related to Stone Mine (Renewal Project & Approved Mine Plan)**

**VII. Chapande Stone Mine of M/S Dokania Stone Works at Village – Chapande, P.S – Ranga, Dist.- Sahibganj, Jharkhand (3.237 Ha).**

**Consultant- M/S Gems Projects Pvt Ltd, Ranchi, RQP- Shri B.B. Lall**

This is a Stone Mining Project for having an area of 3.237 Ha [Plot No- 190 (P), 191 to 193, 195 (P), 201, 205, & 206]. The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 28.11.2001 for a period of



10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 22.00 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 20,06,750 t

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

1 <sup>st</sup> Year	:	1,64,450 t
2 <sup>nd</sup> Year	:	1,69,625 t
3 <sup>rd</sup> Year	:	1,67,900 t
4 <sup>th</sup> Year	:	1,71,350 t
5 <sup>th</sup> Year	:	1,75,950 t

The daily average production based on 230 working days as per is 700 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Chapande Stone Mine of M/S Dokania Stone Works at Village – Chapande, P.S – Ranga, Dist.- Sahibganj, Jharkhand (3.237 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

#### **VIII. Stone Mining Project of M/S Hiralal Bhakat at Village- Kanupur, Thana- Pakur, District- Pakur, Jharkhand (4.72 Ha)**

**Consultant M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP, RQP- Dr. R.N. Singh**

This is a Stone Mining Project for having an area of 4.72 Ha [Khata No.- 98, Plot No- 200, 201, 215, 219 (P) to 223 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 30.08.2000 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required.

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The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 25.00 Lakhs and a provision of Rs 1.74 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 18,18,728 t

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

1 <sup>st</sup> Year	:	19,250 t
2 <sup>nd</sup> Year	:	28,686 t
3 <sup>rd</sup> Year	:	32,915 t
4 <sup>th</sup> Year	:	36,632 t
5 <sup>th</sup> Year	:	38,788 t

The daily production as per Form I is 116 tonnes.

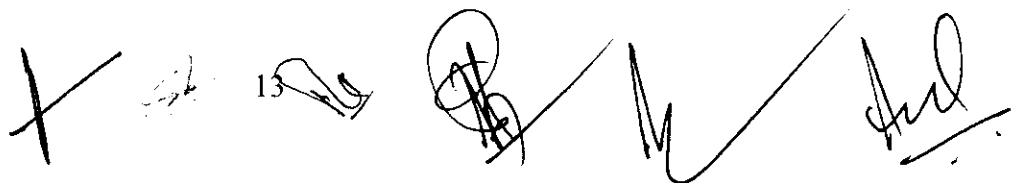
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Stone Mining Project of M/S Hiralal Bhakat at Village- Kanupur, Thana- Pakur, District- Pakur, Jharkhand (4.72 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**IX. Parasbani Stone Mine of Shri Sanjay Kumar Suman at Village – Parasbani, Thana - Birni, Dist.- Giridih, Jharkhand (0.41 Ha).**

**Consultant- M/S Ascenso Management and Consulting Services Pvt Ltd, Noida, U.P, RQP- Sri D.P. Choudhary**

This is a Stone Mining Project for having an area of 0.41 Ha [ Khata No.- 09, Plot No- 120 & 121]. The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 04.09.2003 to 03.09.2013 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.



The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 12.30 Lakhs and a provision of Rs 1.37 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 60,000 t

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

1 <sup>st</sup> Year	:	6060 t
2 <sup>nd</sup> Year	:	6000 t
3 <sup>rd</sup> Year	:	6060 t
4 <sup>th</sup> Year	:	6000 t
5 <sup>th</sup> Year	:	5940 t

The daily production as per Form I is 252 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Parasbani Stone Mine of Shri Sanjay Kumar Suman at Village – Parasbani, Thana - Birni, Dist.- Giridih, Jharkhand (0.41 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**X. Stone Mine of M/S Preeti Agarwala Stone Mines at Village- Goradih, Dist.- Giridih, Jharkhand. (0.89 Ha)**

**Consultant- M/S Pollution & Ecology Control Services, Nagpur, RQP- Shri A.K. Prasad**

This is a Stone Mining Project for having an area of 0.89 Ha [Plot No- 43 (P)] . The committee noted that as per Form I it is a proposal for renewal of existing mining lease for which PP is seeking EC. The lease was valid w.e.f. 08.04.2002 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic

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development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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 15.00 Lakhs and a provision of Rs 2.64 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 1,42,116 t

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

1 <sup>st</sup> Year	:	12,606 t
2 <sup>nd</sup> Year	:	13,579 t
3 <sup>rd</sup> Year	:	11,896 t
4 <sup>th</sup> Year	:	11,490 t
5 <sup>th</sup> Year	:	11,768 t

The daily production as per Form I is 41 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

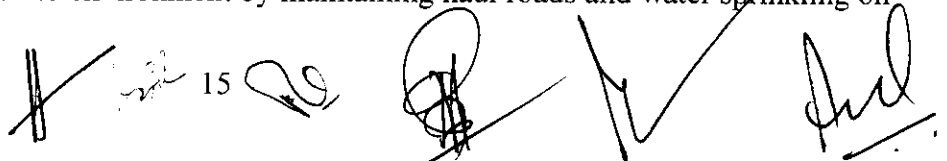
**Based on the presentation made and information provided the Committee recommends that the proposal for Stone Mine of M/S Preeti Agarwala Stone Mines at Village- Goradih, Dist.- Giridih, Jharkhand. (0.89 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – II**

**XI. Stone Boulder Mining of M/S Vivek Kumar Singh at Village – Chilgu, P.O.- Chandil, District- Saraikela Kharsawan, Jharkhand (2.03 Ha).**

**Consultant- M/S ENV DAS India Pvt Ltd, Lucknow, RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 2.03 Ha [Khata No.- 87, 104, 130, Plot No.- 804 (P), 842 (P), 829 to 831, 843 & 844] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 15.05.2010 to 14.05.2015 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on

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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 Rs23.00 Lakh and a provision of Rs 3.00 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan Report are

Mineable Proved Reserve : 4,95,860t

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

1 <sup>st</sup> Year	:	50,101 t
2 <sup>nd</sup> Year	:	52,315 t
3 <sup>rd</sup> Year	:	50,072 t
4 <sup>th</sup> Year	:	51,557 t
5 <sup>th</sup> Year	:	52,464 t

The daily production as per Form 1 is 200 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Stone Boulder Mining of M/S Vivek Kumar Singh at Village – Chilgu, P.O.- Chandil, District- Saraikela Kharsawan, Jharkhand (2.03 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – II**

**XII. Taratanr Stone Mine of Sri Devendra Prasad Mehta at Village- Taratanr, Thana-Koderma, Dist-Koderma, Jharkhand (0.61 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP, RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 0.61 Ha [Plot No- 1140] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 12.07.2003 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, 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 mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads 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

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the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.00 Lakhs and a provision of Rs 1.20 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 20, 671 t

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

1 <sup>st</sup> Year	:	3048 t
2 <sup>nd</sup> Year	:	3075 t
3 <sup>rd</sup> Year	:	3043 t
4 <sup>th</sup> Year	:	3059 t
5 <sup>th</sup> Year	:	3048 t

The daily production as per Form 1 is 10 tonnes.

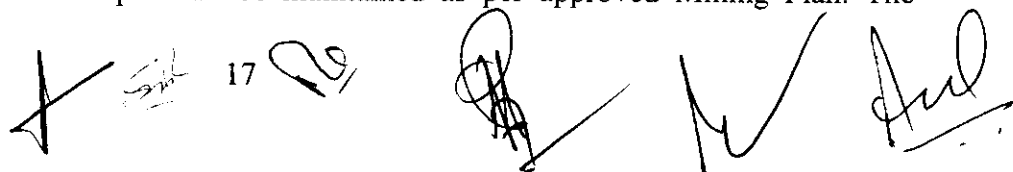
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. PP has submitted the details as required by SEAC which are in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Taratanr Stone Mine of Sri Devendra Prasad Mehta at Village-Taratanr, Thana-Koderma, Dist-Koderma, Jharkhand (0.61 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – II**

## Annexure- II

### A. Specific Conditions

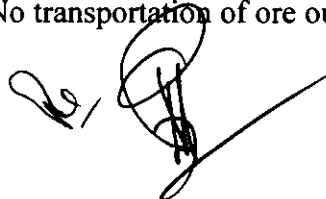
1. The environmental clearance is subject to renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
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 fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred 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 above ground 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

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Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. 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 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 for 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 appropriate size 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 agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. 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.
12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
13. Effective safeguard measures such as regular water sprinkling shall be carried out in 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 shall be carried out on haul roads which should be made pucca 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 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.
15. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required 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 and regularly monitored. 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 ore outside the mine lease area shall be carried out after the sunset.

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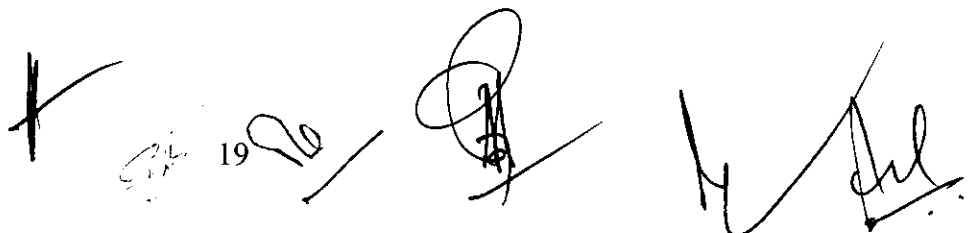




18. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
19. Drills shall either be operated with the dust extractors or equipped with water injection system.
20. 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.
21. Pre-placement medical examination and periodical medical examination of the workers engaged in the project 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 within 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 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.
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

**B. General conditions**

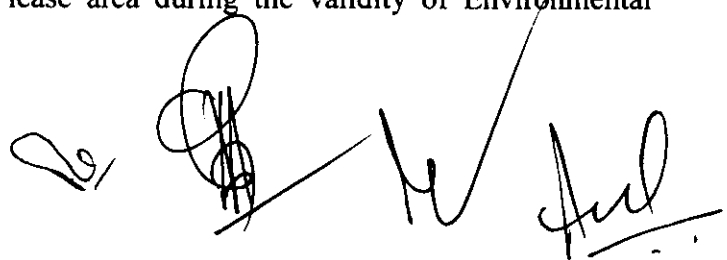
1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca 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.

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8. 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.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi 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,SO<sub>2</sub> ,NO<sub>x</sub> (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, 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.
16. The environmental statement for each financial year ending 31<sup>st</sup> 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 shall be valid for the period of renewal of lease. 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 Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **3. Proposals related to Brick Earth**

#### **I. Brick Clay Mining for M/s PK Pramanik Bricks at Mauza- Parasbahal, P.O.- Karaikela, District- West Singhbhum, Jharkhand (0.639 Ha)**

**Consultant – ENV DAS India Pvt. Ltd., Lucknow**

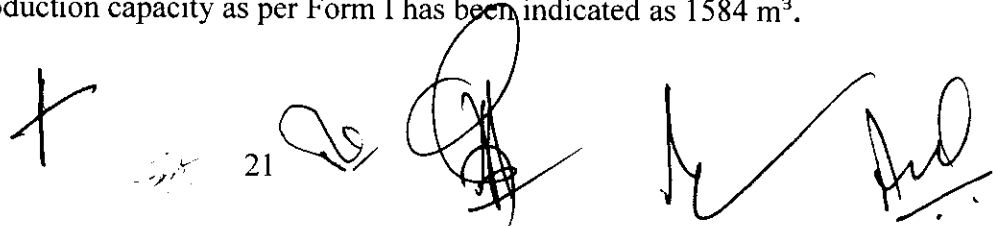
This is a Brick Clay Mining Project for having an area of 0.639 Ha [Khata No.- 88, Plot No-199, 201, 202 & 213, Khata No.- 26, Plot No- 200]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24<sup>th</sup> June, 2013 issued by MoEF and SEIAA guidelines 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 39.00 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

PP has submitted certificate from DMO and affidavit w.r.t. distance from forest as required under SEIAA guidelines. The same was examined and found to be satisfactory. Affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22<sup>nd</sup> Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m<sup>3</sup>.

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Based on the presentation made and information provided, the Committee recommends that the proposal for Brick Clay Mining for M/s PK Pramanik Bricks at Mauza- Parasbahal, P.O.- Karaikela, District- West Singhbhum, Jharkhand (0.639 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure- IV

**II. Brick Clay Mining for M/s PK Pramanik Bricks at Mauza- Kashipur, P.O.- Kera, PS- Chakradharpur, District- West Singhbhum, Jharkhand (0.95 Ha).  
Consultant – ENV DAS India Pvt. Ltd., Lucknow**

This is a Brick Clay Mining Project for having an area of 0.95 Ha [Khata No.- 291, Plot No-168]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 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 (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24<sup>th</sup> June, 2013 issued by MoEF and SEIAA guidelines 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 41.00 Lakhs and a provision of Rs 2.05 Lakhs will be kept for Environment management.

PP has submitted certificate from DMO and affidavit w.r.t. distance from forest as required under SEIAA guidelines. The same was examined and found to be satisfactory. Affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22<sup>nd</sup> Meeting held on 04/08/2014 vide item 32.

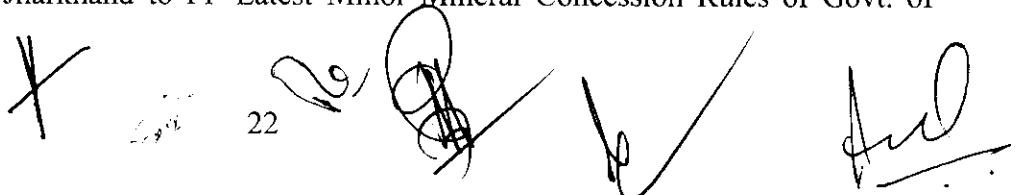
The proposed annual production capacity as per Form I has been indicated as 1584 m<sup>3</sup>.

Based on the presentation made and information provided, the Committee recommends that the proposal for Brick Clay Mining for M/s PK Pramanik Bricks at Mauza- Kashipur, P.O.- Kera, PS- Chakradharpur, District- West Singhbhum, Jharkhand (0.95 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure- III

**Annexure - III**

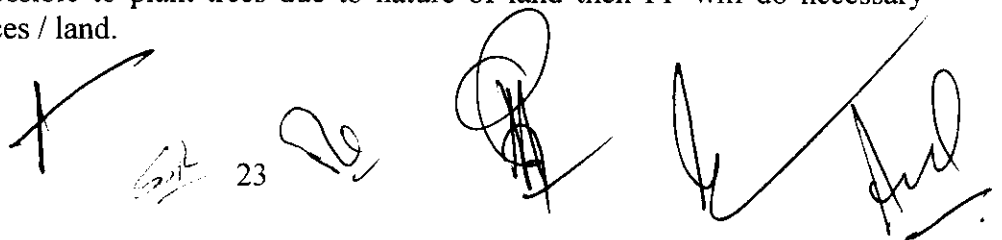
**A. Specific Conditions**

1. The environmental clearance is subject to grant / renewal of mining permit by the Department of Mines, Government of Jharkhand to PP Latest Minor Mineral Concession Rules of Govt. of

X 22 

Jharkhand and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.

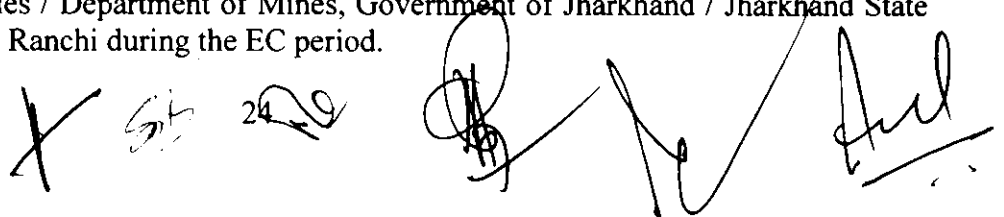
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals / Brick Earth Mining.
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 fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities.
5. The activity associated with borrowing / excavation of 'brick earth' and 'ordinary earth' for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
6. The borrowing / excavation activity shall be restricted to a maximum depth of 2 m below general ground level at the site. However – excavation shall not intercept with ground water level at site.
7. The borrowing / excavation activity shall not alter the natural drainage pattern of the area.
8. The borrowing / excavated pit shall be restored by the project proponent for useful purpose (s).
9. Appropriate fencing all around the borrowed / excavated pit shall be made to prevent any mishap.
10. Measures shall be taken to prevent dust emission by covering of borrowed / excavated earth during transportation.
11. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing / excavation of earth.
12. Workers / labours shall be provided with facilities for drinking water and sanitation.
13. A considerable space from mine pit shall be left from the boundary of adjoining field, having, minimum width of 5M.
14. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.
15. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed 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.
16. 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 for land reclamation and plantation.
17. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.

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18. Effective safeguard measures such as regular water sprinkling shall be carried out in 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 shall be carried out on haul roads which should be made pucca 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.
19. The project proponent should implement suitable conservation measures to augment ground water resources in the area as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
20. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required for the project.
21. Suitable rainwater harvesting scheme shall be planned and implemented as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
22. Vehicular emissions shall be kept under control and regularly monitored. 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 ore outside the mine lease area shall be carried out after the sunset.
23. 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.
24. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
25. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
26. Provision shall be made for the housing of labour within 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.
27. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
28. A final mine closure scheme plan of mine pit shall be submitted to concerned DMO in advance of final mine closure for approval.
29. The excavated earth – by such Brick mining pit owner – shall be supplied only to owners of manufacturing of bricks –having “Consent to Operate” under the provision of section 25 and 26 of The water (prevention and control of pollution) Act, 1974 and under section 21 of The Air (prevention and control of pollution) Act, 1981.
30. All haul roads connection to mining pit head to concerned Brick kilns – shall have muram / Brick paved road to avoid fugitive emission during transportation activities. In addition to this there shall be tree plantation in both side along the haul road.
31. Prime agricultural land shall not be used for earth mining – until and unless – permission of conversion of land has been obtained by component authority.

#### **B. General conditions**







1. No change in mining methodology 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.

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2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make internal roads pucca 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. 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.
8. Dispensary facilities for First Aid shall be provided at site.
9. 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).
10. 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.
11. 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 its concerned Regional Office and to SEIAA.
12. 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,SO<sub>2</sub> ,NO<sub>x</sub> (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.
13. 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.
14. The environmental statement for each financial year ending 31<sup>st</sup> 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.
15. All statutory clearances shall be obtained before start of mining operations.

**C. Other points**

  25    

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 will be valid till the period of land lease and subject to renewal of mining permit which are generally granted for period of 6 month at one time. 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 Tran 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.

4. Proposals related to Sand mine

*Jul*

**I. Soro Sand mining Project of Bhutnath Mahto Village- Soro, P.S.- Ichagarh, Dist.- Saraikela - Kharsawan, Jharkhand (0.40 Ha)**

Details of project will be forwarded to SEIAA separately in urgent basis.

PP has submitted certificates from DFO & DMO. The informations were examined and found to be satisfactory. The documents were not received by members of SEAC. However considering urgency of requirement of sand the case was examined.

**Based on the presentation made and information provided the Committee recommends that the proposal for Soro Sand mining Project of Bhutnath Mahto Village- Soro, P.S.- Ichagarh, Dist.- Saraikela - Kharsawan, Jharkhand (0.40 Ha) be recommended for consideration of SEIAA for grant of EC.**

**II. Sand Deposit in the River bed of Kharkai for Sri Ghashyam darbar at Village- Barajaipur, P.O. Chaibasa, Dist.- West Singhbhum, Jharkhand. (8.903 Ha)**

Details of project will be forwarded to SEIAA separately in urgent basis.

PP has submitted certificates from DFO & DMO. The informations were examined and found to be satisfactory.

**Based on the presentation made and information provided the Committee recommends that the proposal for Sand Deposit in the River bed of Kharkai for Sri Ghashyam Darbar at Village- Barajaipur, P.O. Chaibasa, Dist.- West Singhbhum, Jharkhand. (8.903 Ha) be recommended for consideration of SEIAA for grant of EC.**

**III. Sand Deposit in the River bed of Kharkai for Sri Ghashyam Darbar at Village- Baramaundi, P.O. Chaibasa, Dist.- West Singhbhum, Jharkhand. (5.665 Ha)**

*X* *S.S.L.* 26 *[Signature]* *[Signature]* *[Signature]*

Details of project will be forwarded to SEIAA separately in urgent basis.

PP has submitted certificates from DFO & DMO. The informations were examined and found to be satisfactory.

**Based on the presentation made and information provided the Committee recommends that the proposal for Sand Deposit in the River bed of Kharkai for Sri Ghashyam Darbar at Village- Baramaundi, P.O. Chaibasa, Dist.- West Singhbhum, Jharkhand. (5.665 Ha) be recommended for consideration of SEIAA for grant of EC.**

#### **IV. Aita sand Deposit of M/S B.D. Trading Company at Village- Aita, Dist. West Singhbhum, Jharkhand (16.187 Ha)**

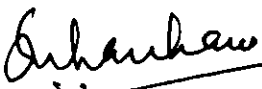
Details of project will be forwarded to SEIAA separately in urgent basis.


PP has submitted certificates from DFO & DMO. The informations were examined and found to be satisfactory. The documents were not received by members of SEAC. However considering urgency of requirement of sand the case was examined.

**Based on the presentation made and information provided the Committee recommends that the proposal for Aita sand Deposit of M/S B.D. Trading Company Village- Aita, Dist.- West Singhbhum, Jharkhand (16.187ha) be recommended for consideration of SEIAA for grant of EC.**

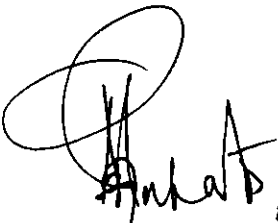
The next meeting shall be held from 20<sup>th</sup> July, 2015 in which priority will be given sand mining project.

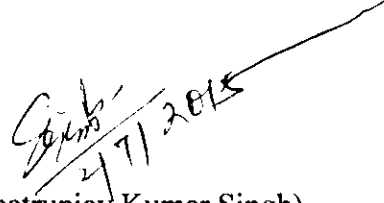
**The meeting concluded with thanks to all present.**

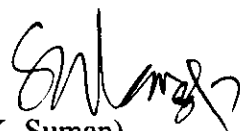
  
(S.B.S Chauhan)  
Member

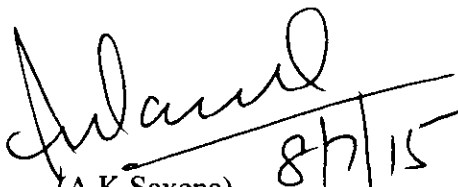
  
(Er. S.K. Singh)  
Member  
2/7/2015

  
(Dr. R.P. Singh Sangu)  
Member

  
(Prof. (Dr.) M.C. Mahata)  
Member  
02/7/2015

  
( Prof (Dr) Shatrunjay Kumar Singh)  
Member-

  
(S.K. Suman)  
Secretary

  
(A K Saxena)  
Chairman  
8/7/15