

**MINUTES OF THE 61<sup>ST</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 24<sup>TH</sup>, 25<sup>TH</sup> & 26<sup>TH</sup> SEPTEMBER, 2018**

The 61<sup>st</sup> meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 24<sup>th</sup>, 25<sup>th</sup> & 26<sup>th</sup> September, 2018 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

1. Sri K.P. Bhawsinka - Chairman
2. Dr. B.K. Tewary - Member
3. Sri R.N. Singh - Member
4. Dr. V.P. Sinha - Member
5. Sri S.P. Srivastava - Member
6. Sri Y.K. Singh - Member
7. Dr. R. V. Singh - Member
8. Sri U.P. Singh - Member
9. Sri Om Prakash, - Member Secretary

Sri Mohan Sriram Bhagwat, Member, SEAC could not attend the meeting due to personal reason. Various projects as received by SEIAA after the previous SEAC meeting held on 13<sup>th</sup> & 14<sup>th</sup> August, 2018 and forwarded to SEAC for the technical appraisal, were put up for discussions. Besides, those Projects which were already appraised in SEAC's earlier meetings, where PP's were asked to provide additional information / clarifications, were also considered for examination / scrutiny. The Project proponents replied with required documents. Accordingly, the Project Proponents were asked to make technical presentation for the appraisal of their projects before the committee.

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

**A. Discussion on matter related to :**

1. **SEIAA letter no. Letter No. 191, dated 09.08.2018 regarding discrepancies in the mine plans submitted along with applications in issued conditional EC by SEIAA and approved mine plan submitted later by PP. The following list are given below :**

- i. Karamo Stone Mine of M/s Abhisek Anand, Vill.- Karamo, Basishtnagar, Chatra, (2.81 Ha)
- ii. Rajbandh Stone Mine of M/s Sunita Ganguly, Vill- Rajbandh, Pakur, (1.11 Ha)
- iii. Metal Stone Mine with Crusher of M/a Ramesh Kr. Khandelwal, Vill- Mandardih, Bengabad, Giridih, (0.90 Acre)
- iv. Shyam Stone Mine Sri Umakant Prasad Jaiswal, Mouza- Karamkala, Chhatarpur, Palamu, (4.856 Ha)
- v. Duthua Stone Mine of Shri Sanjay Kumar, Vill.- Dhutua, Ramgarh, Ramgarh, (1.01 Ha)
- vi. Chotta Mirkhi Stone Mine of M/s S.S. Raisers Pvt. Ltd. Vill- ChottaMirkhi, Devo[ir, Deoghar, (07.00 Acre)
- vii. Metal Stone Mine of Kakarkudar-Karamjora, M/s Arun Kr. Ladia, Vill- Kakarkudar-Karamjora, Bengabad, Giridih, (2.260 Acre)
- viii. Khaprajola Stone Mine of ShriShyam Madhyan, Vill- Khaprajola, Pakur, (3.31 Ha)
- ix. Stone Mine of Arun Kr. Ladia, Village – Lakhanpur, Bengabad, Giridih, (0.732 Ha)

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approved the recommendation of SEAC. There is, therefore, no need to have discussion further on these projects in this meeting.

## **B. Projects considered for recommendation to SEIAA for consideration of grant of EC.**

### **1. Olmunda Sand Mine in the River Bed of Koel River of Sri Shamim Khan at Vill.- Olmunda, Tehsil & P.S- Sisai, Dist.- Gumla (6.075 Ha).**

This is a Sand Mining Project with an area of 6.075 Ha [Khata No. 142, Plot No.- 1739 (P) & 2729 (P). As per Form-I, the PP is seeking EC. This is B2 category as per MoEF & CC Notification dated 15.01.2016.

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

The proposed estimated mineable reserve is 1,10,403 cum and annual production capacity as per mine plan has been indicated as 1,08,000 cum per annum.

PP has submitted certificates from CO (Letter No.-44, dated- 17/01/2017), DFO (Letter No.- 1855, dated- 05/07/2018) and DMO (Memo No.- 1348, dated- 23/08/2017).

DFO, Gumla vide letter no. 1855, dated 05.07.18 certified that project site is not within 280 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Sisai vide letter no. 44, dated 17.01.17 has mentioned / certified the plot no. of the project site is River and not "Jangle Jhari".

Meanwhile, the MoEF & CC vide its notification S.O. 3611 (E), dated 25.07.18 made amendment in Appendix – X of EIA notification dt 14.09.2006, pertaining to procedure for preparation of DSR for mining of minor mineral, sand etc.

In the said latest MoEF & CC notification dated 25.07.18, it has been mentioned "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report shall be updated once every five years."

Thus, it appears that minor mineral, sand mining etc. proposal have to be appraised by SEAC on the basis of DSR, prepared in the light of the said latest notification dated 25.07.18. The existing DSR, which has been prepared earlier, is no more effective subsequent to issue of latest notification dated 25.07.18.

The SEIAA may take appropriate decision and direct accordingly.

### **2. Olmunda Sand Mine in the River Bed of Koel River of Sri Shamim Khan at Vill.- Olmunda, Tehsil & P.S- Sisai, Dist.- Gumla (5.873 Ha)**

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This is a Sand Mining Project for having an area of 5.873 Ha [Khata No. 142, Plot No.- 1738 (P) & 1739 (P). The committee noted that as per Form I it is a proposal for grant of mine lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF & CC Notification dated 15.01.2016.

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

The proposed estimated mineable reserve is 93,800 cum and annual production capacity as per mine plan has been indicated as 93,375 cum per annum.

PP has submitted certificates from CO (Letter No.-43, dated- 17/01/2017), DFO (Letter No.- 1854, dated- 05/07/2018) and DMO (Memo No.- 1349, dated- 23/08/2017).

DFO, Gumla vide letter no. 1854, dated 05.07.18 certified that project site is not within 260 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Sisai vide letter no. 43, dated 17.01.17 has mentioned / certified the plot no. of the project site is River and not "Jangle Jhari".

Meanwhile, the MoEF & CC vide its notification S.O. 3611 (E), dated 25.07.18 made amendment in Appendix – X of EIA notification dt 14.09.2006, pertaining to procedure for preparation of DSR for mining of minor mineral, sand etc.

In the said latest MoEF & CC notification dated 25.07.18, it has been mentioned "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report shall be updated once every five years."

Thus, it appears that minor mineral, sand mining etc. proposal have to be appraised by SEAC on the basis of DSR, prepared in the light of the said latest notification dated 25.07.18. The existing DSR, which has been prepared earlier, is no more effective subsequence to issue of latest notification dated 25.07.18.

The SEIAA may take appropriate decision and direct accordingly.

**3. Aseahar Stone Deposit of M/s Reyaz Ahmad Khan at Village –Aseahar, Panki Palamu, (5.848 Ha).**

This is a Stone Mining Project having an area of 5.848 Ha [Khata No.-117, Plot No.-2159]. The committee noted that as per Form I, it is a proposal of existing mine, for which PP is seeking EC. The lease was valid w.e.f. 02.02.2016 for a period of 10 years. It is B2 Category of Project - as per MoEF & CC Notification dated 15.01.2016.

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 indicated project cost is Rs 74.00 Lakh and a provision of Rs 4.82 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

|                           |   |             |
|---------------------------|---|-------------|
| Mineable Proved Reserve   | : | 27,86,459 t |
| Mineable Probable Reserve | : | 14,500 t    |

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

|                      |   |            |
|----------------------|---|------------|
| 1 <sup>st</sup> Year | : | 2,80,639 t |
| 2 <sup>nd</sup> Year | : | 2,80,027 t |
| 3 <sup>rd</sup> Year | : | 2,80,123 t |
| 4 <sup>th</sup> Year | : | 2,80,497 t |
| 5 <sup>th</sup> Year | : | 2,80,273 t |

The daily production as per Form-I is 935 tonnes.

PP has submitted certificates from DMO (Memo No.-468, Dated- 28.04.17), DFO (Letter no. 686, dated – 20.03.2014, Letter No.-3752, Dated- 22.07.17) and CO (Memo no. 659, Dated- 10.08.18).

DFO, Medininagar vide letter no. 3752, dated 22.07.17 certified that project site is not within 02 km from notified forest and his vide letter no. 686 dated 20.03.14 certified that project site not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Panki vide Memo no. 659, dated 10.08.18 has mentioned / certified the plot no. of the project site is not “Jangle Jhari”.

In the earlier presentation following discrepancy was identified and the committee advised to submit accordingly -

*“PP was asked to submit proper CO certificate regarding class of land (whether recorded as Jangle Jhari or not).”*

The PP has submitted the above document on 09.08.18 and found to be satisfactory.

Meanwhile, the MoEF & CC vide its notification S.O. 3611 (E), dated 25.07.18 made amendment in Appendix – X of EIA notification dt 14.09.2006, pertaining to procedure for preparation of DSR for mining of minor mineral, sand etc.

In the said latest MoEF & CC notification dated 25.07.18, it has been mentioned “The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report shall be updated once every five years.”

Thus, it appears that minor mineral, sand mining etc. proposal have to be appraised by SEAC on the basis of DSR, prepared in the light of the said latest notification dated 25.07.18. The existing DSR, which has been prepared earlier, is no more effective subsequent to issue of latest notification dated 25.07.18.

The SEIAA may take appropriate decision and direct accordingly.

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4. **Modernization cum Expansion of Straight Bar & Wire Mill of M/S Usha Martin Ltd, Adityapur Industrial Area, Plot No.- 42 & 38, Village- Bara Gamharia, Tehsil - Gamharia, Dist.- Saraikela Kharsawan.**

The Company is an integrated manufacturer of steel billets, wire rods, straight bars, blooms, wires and wire ropes. The bar product segments in which the Company operates includes steel products for a number of critical applications of various automobile components for various automobile OEM. The Company also provides anchoring solutions along with supply of wire ropes for applications in offshore oilfields. The Company has a total of six plants at different manufacturing locations around the globe and has a strong marketing and distribution network in India and abroad.

The present proposal for Straight Bar & Wire Mill division is an extended production unit of Usha Martin Limited (UML) which is a flagship company of Usha Martin Group. UML is the largest manufacturer of wire ropes in India and along its subsidiaries (hereinafter collectively referred to as 'Usha Martin'), having market presence in USA, Europe, Middle East and South East Asian countries.

The JSPCB has issued CTO to this unit vide letter nopc/jsr/air/u-03/02/g-2558 Dated 28th December, 2012 for Hexagonal Iron bar 105 MT/day for plot no.- 42 & 38 in phase IV of Adityapur Industrial Area, Jamshedpur.

| DETAILS OF THE PROJECT<br>S. No. | Particulars                                       | Details   |
|----------------------------------|---|---|
| 1.                               | Nature of the Project                             | Expansion-cum-modernization of capacity of existing Bar Mill from 105 MT/day to 425MT/day |
| 2.                               | Total Cost of the expansion/modernization project | 15 Cr   |
| 3.                               | Cost of EMP                                       | a) 3 Cr. – Capital Cost<br>b) 0.5 Cr – Recurring Cost                                     |
| 4.                               | Total Plot Area                                   | 8 Acre  |
| 5.                               | Greenbelt Area                                    | 0.250 Acre  |
| 6.                               | Project Location                                  | Adityapur Industrial Area.  |
| A. Village                       | Bara Gamharia                                     |   |
| B. Tehsil                        | Gamharia  |   |
| C. District                      | Saraikela- Kharsawan                              |   |
| D. State                         | Jharkhand   |   |
| 7.                               | Climatological Data of Study Period –             |   |
| A. Temperature                   | Max. – 47 °C                                      |   |
| B. Relative Humidity             | 87%   |   |
| C. Mean Annual Rainfall          | Avg. 1100 mm                                      |   |
| 8.                               | Nearest Railway Station                           | Gamharia (2 km, SE)   |
| 9.                               | Nearest Highway                                   | NH-33 (10 km, N)  |

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|--------------------|--------------------------------|--|
| 10.                | Nearest Airport                | Jamshedpur (16 km, E)  |
| 11.                | Protected forest               | 2.5 km, NE   |
| Wildlife Sanctuary |                                | None within 10 KM radius   |
| 12.                | Nearest Densely Populated Area | Jamshedpur (13.0 km, E)  |
| 13.                | Nearby Water Bodies            | 3 Subarnarekha River(5.5 km, NE)<br>4 Kharkai River (5 km, SE)<br>5 Sanjai Nadi (4.5 km, SW)<br>6 Sitarampur Reservoir (2.5 km, SSE) |
| 14.                | Soil Type                      | Silty loam   |
| 15.                | Seismic Zone                   | Zone II  |

DFO, Saraikela vide letter no. 948, dated 21.05.18 certified that project site is not within 560 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Gamharia vide Letter no. 1668, dated 24.08.18 has mentioned / certified the plot no. of the project site is not "Jangle Jhari".

Based on the presentation made and information provided, the Committee decided that the proposal for **Modernization cum Expansion of Straight Bar & Wire Mill of M/S Usha Martin Limited, Adityapur Industrial Area, Plot No.- 42 & 38, Village- Bara Gamharia, Tehsil - Gamharia, Dist.- Saraikela Kharsawan** be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC is enclosed as **Annexure - III**.

**5. Integrated Cement Plant of M/s Burnpur Cement Ltd at Vill. Patratu Industrial Area, Patratu, Ramgarh.**

This is case for Validity Extension to the existing Environment Clearance (EC) of **M/s Burnpur Cement Ltd.** at Patratu Industrial Area, Ramgarh, Jharkhand for Integrated Cement Plant.

The project proposal was explained by the PP in detail which is as below :

M/s Burnpur Cement Limited was granted Environment Clearance by MoEF & CC, New Delhi vide F. No. J-11011/45/2009-IA-II(1) to set up manufacturing unit for Clinker (5,28,000TPA) and Cement (Portland Slag Cement 2,64,000 TPA, Portland Pozzolona Cement 2,11,200 TPA and Ordinary Portland Cement 52,800 TPA at Patratu Industrial Area, Ramgarh, Jharkhand. The land requirement for the cement plant is 60 acres. No forest land is involved. No national park/sanctuary is located within 10 Km distance. River Damodar flows at a distance of 6.5 Km in North. The site falls in seismic zone-II. Total cost of the project is envisaged as Rs. 329.0 Crores. Rs. 13.33 Crores and Rs. 3.31 Crores has been earmarked for capital cost and recurring cost/annum for environment pollution control measures.

The major pollutants expected from the plant are PM, SO<sub>2</sub> and NO<sub>x</sub>. ESP to kiln cooler and bag filters to kiln/raw mill and coal mill and bag filters for cement mill and packing plants will be provided to control the particulate emissions below 50 mg/m<sup>3</sup>. Fugitive emissions from limestone handling, coal handling, clinker hoppers, storage silos, weight feeders, grinding mills and packing





- Therefore, the plant could not implement the project and/or operate during the above circumstances. Now, through mutual trust of stakeholders the company intends to complete the project within next three years.

*The proposal was presented in SEAC on 23<sup>rd</sup> April, 2018 in which further informations as under*

- CO certificate regarding class of land (whether recorded as Jangal Jhari or not)*
- DFO Certificate regarding distance from notified forest / National Park / Sanctuary/ Eco Sensitive Zone / Bio-Diversity Area.*
- Compliance of EC condition with documentary evidences.*
- Documentary evidences of the disturbance created by antisocial elements in the area.*
- Cost of EC implemented.*

The documents related to the above mentioned discrepancies have been submitted and found to be satisfactory.

Request for consideration for extension of validity of the EC of M/s Burnpur Cement Ltd till 29.12.2020.

It is recommended to consider extension of the validity of EC till 29.12.2020. SEAC suggested to follow all the conditions of the EC issued earlier & further suggested to take special case for green belt development and rainwater harvesting in the area.

### **C. Projects for which SEAC has sought clarifications from PP.**

#### **1. Chalna Balu Ghat of M/s Sparkal World Pvt. Ltd at Vill.- Chalna, Anchal -Jamtara, Dist.- Jamtara (48.36 Ha)**

The ToR extension application has been submitted on 25.07.18 wherein the Terms of Reference has already lapsed. SEAC deliberated on the issue and finding no valid reason for request of extension, the committee recommended to SEIAA to drop the case & suggested the proponent to apply a fresh.

File is being returned to SEIAA.

#### **2. Jangalpur Stone Mine of Md. Mobin Ansari & Md. Margub Ansari at Village- Jangalpur, Govindpur, Dhanbad (1.60 Ha).**

The PP was absent and did not appear even after request vide letter no. 148, dt 11.09.18. The PP was informed of the agenda item & was directed to participate & present the project proposal. But neither they attended nor replied the letter. This is a serious lapse on the part of PP. The Committee decided to recommend dropping of the proposal.

File is being returned to SEIAA.

#### **3. Jangalpur Stone Mine of Md. Hasimuddin Ansari at Village- Jangalpur, Govindpur, Dhanbad (0.963 Ha).**

The PP was absent and did not appear even after request vide letter no. 150, dt 11.09.18. The PP was informed of the agenda item & was directed to participate & present the project proposal. But

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neither they attended nor replied the letter. This is a serious lapse on the part of PP. The Committee decided to recommend dropping of the proposal.

File is being returned to SEIAA.

4. **Badagaon Stone Mine of Sri Navkishor Singhdeo at Village- Badagaon, Kharsawan, Saraikela-Kharsawan (2.43 Ha).**

The PP was absent and did not appear even after request vide letter no. 149, dt 11.09.18. The PP was informed of the agenda item & was directed to participate & present the project proposal. But neither they attended nor replied the letter. This is a serious lapse on the part of PP. The Committee decided to recommend dropping of the proposal.

File is being returned to SEIAA.

5. **Moradih, Loyadih & Polkera Balu Ghatof M/s S.G. Pro Ltd (Sri Ajay Singh) at Vill.- Moradih, Loyadih & Polkera, Tehsil & Dist.- Dhanbad (20.39 Ha).**

This is a Sand Mining Project for having an area of 20.39 Ha [Moradih Plot No.- 1679 (P), Loyadih Plot no.- 01 & Polkera Plot no.- 1923 ]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's office allotment letter no.- 2031, dated- 04.11.2015 for which PP is seeking EC. It is B2 Category of Project - as per MoEF & CC Notification dated 15.01.2016.

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 indicated project cost is Rs 2.17 Crore and a provision of Rs 3.60 Lakh has been indicated for Environment management.

The proposed estimated mineable reserve is 6,87,218 tonne and annual production capacity as per Form I has been indicated as 6,87,218 tonne per annum.

PP has submitted certificates from CO (Letter No.- 465, dated- 13/09/2017), DFO (Letter No.- 181 C, 182 C & 183 C, dated- 27/07/2018) and DMO (Memo No.- 669, dated- 19/04/2017).

DFO, Dhanbad vide letter no. 181 C, 182 C & 183 C, dated- 27/07/2018 certified that project site is not within 250 m from notified forest and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Purvi Tundi vide Letter no. 465, dated 13.09.17 has mentioned / certified that class of land is River.

*In the earlier presentation following discrepancies were identified and the committee advised to submit accordingly*

(i) Status of Letter of Intent.

(ii) CO certificate to be submit regarding distance of Bridge from mine area.

(iii) Revised Form-I (mentioned stockyard).

(iv) Status of transportation road to be given whether the land is non forest area.

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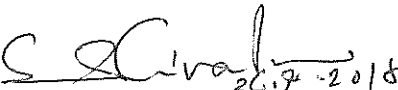
- (v) Details of year-wise action plan for plantation.  
(vi) Details of plantation of species in riparian zone.

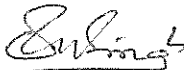
The documents related to the above mentioned discrepancies have been submitted except for the certificate regarding distance from forest on north side of river to be issued by DFO, Jamtara. PP was asked to submit certificate from DFO, Jamtara regarding distance from forest on north side.


**Once the PP provides the information, SEAC will examine the case.**

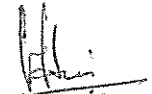
**The meeting concluded with thanks to all present.**

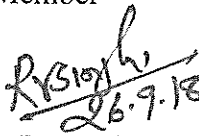
  
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(Dr. B.K. Tewary)  
Member

  
26.9.2018  
(S.P. Srivastava)  
Member

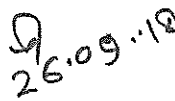
  
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(R. N. Singh)  
Member


  
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(Y.K. Singh)  
Member

  
26/9/18  
(Dr. V.P. Sinha)  
Member

  
26.9.18  
(Dr. R. V. Singh)  
Member

  
26/09/2018  
(U.P. Singh)  
Member

  
26.09.18  
(Om Prakash)  
Member Secretary

  
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(K.P. Bhawsinka)  
Chairman

**Standard EC Conditions**

**I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

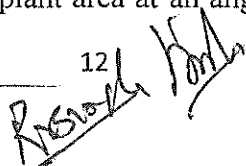
**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind

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and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)

- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after *briquetting* agglomeration.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

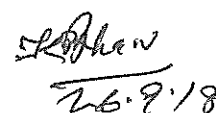
### III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.







  
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- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time.
- vii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- viii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- ix. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

#### IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB (A) during day time and 70 dB(A) during night time.

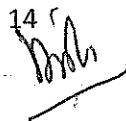
#### V. Energy Conservation measures

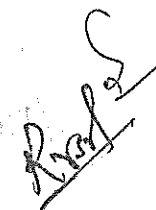
- i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets/blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.
- iv. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- v. Provide the project proponent for LED lights in their offices and residential areas.

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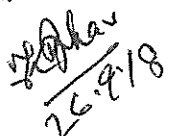










  
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## VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The waste oil, grease and other hazardous waste shall be disposed of as per the
- v. Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- vi. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

## VII. Green Belt

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

## VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. 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, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

## IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating

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procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental/forest / wildlife norms / conditions and / or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

#### X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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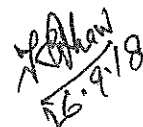
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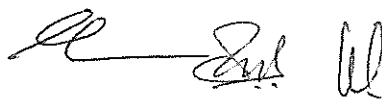
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC 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.

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**Other Conditions:**

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. In view of MoEF & CC O.M. No.- 22-27/2015-IA-III, dated- 12.04.2016 The Environmental Clearance accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process 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.

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S. B. Bhowmik  
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**Details related to approved/unapproved Mine Plans**

| Sl. No. | Project Details   | EC issued  |          | Proposed production figure as per EC issued with unapproved mine plan   | Production figure as per Approved Mine Plan   | Remarks   |
|---------|---|------------|----------|---|---|---|
|         |   | Letter No. | Dated    |   |   |   |
| 1.      | 2.  | 3(a)       | 3(b)     | 4.  | 5.  | 6.  |
| 1.      | Chorganwa Stone Mines, Vill- Chorganwa, P.S.- Mahuatand, Dist - Bokaro, Jharkhand (Area-0.486 Ha)                     | 711        | 31.12.14 | The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve is : 43,762 t<br><br>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 4,730 t<br>2 <sup>nd</sup> Year : 4,730 t<br>3 <sup>rd</sup> Year : 4,795 t<br>4 <sup>th</sup> Year : 4,757 t<br>5 <sup>th</sup> Year : 4,766 t | The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve is : 43,762 t<br><br>Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 4,730 t<br>2 <sup>nd</sup> Year : 4,730 t<br>3 <sup>rd</sup> Year : 4,795 t<br>4 <sup>th</sup> Year : 4,757 t<br>5 <sup>th</sup> Year : 4,766 t | No change   |
| 2.      | Taratand Stone Quarry of M/s Devender Prasad Mehta, Vill- Taratand, Tehsil & Dist- Kodarma, Jharkhand (Area-0.761 Ha) | 357        | 16.04.14 | The details of mine capacity in unapproved Mine Plan quoting Proved Reserve : 41677 t<br><br>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 4617 t<br>2 <sup>nd</sup> Year : 5387 t<br>3 <sup>rd</sup> Year : 6156 t<br>4 <sup>th</sup> Year : 7695 t<br>5 <sup>th</sup> Year : 18360 t                  | The details of mine capacity in approved Mine Plan quoting Proved Reserve : 21265 t<br><br>Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 2138 t<br>2 <sup>nd</sup> Year : 2155 t<br>3 <sup>rd</sup> Year : 2111 t<br>4 <sup>th</sup> Year : 2093 t<br>5 <sup>th</sup> Year : 2187 t                   | Change<br><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |

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| 3. | Garadih Stone Mine of M/s Tauhid Ansari & Maksud Alam, Vill- Garadih, Tehsil- Kairo, Dist- Lohardaga, Jharkhand (Area-1.01 Ha) | 606 | 28.11.14 | <p>The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 8,08,135 t</p> <p>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 14,000 t<br/> 2<sup>nd</sup> Year : 14,500 t<br/> 3<sup>rd</sup> Year : 15,000 t<br/> 4<sup>th</sup> Year : 15,000 t<br/> 5<sup>th</sup> Year : 15,000 t</p> | <p>The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve : 213898 t</p> <p>Year wise production as proposed under approved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 14992 t<br/> 2<sup>nd</sup> Year : 14992 t<br/> 3<sup>rd</sup> Year : 16802 t<br/> 4<sup>th</sup> Year : 15073 t<br/> 5<sup>th</sup> Year : 15176 t</p> | <p><b>Change</b></p> <p>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC.</p> |
| 4. | Stone Quarry of Baliapur M/s Virbhan Das, Vill- Baliapur, P.O. + P.O.- Baliapur, Dist- Dhanbad, Jharkhand (Area- 2.20 Acre)    | 330 | 31.03.14 | <p>The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 302900 t</p> <p>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : Nil<br/> 2<sup>nd</sup> Year : 22,000 t<br/> 3<sup>rd</sup> Year : 22,000 t<br/> 4<sup>th</sup> Year : 17,000 t<br/> 5<sup>th</sup> Year : 22,000 t</p>        | <p>The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve : 302899 t</p> <p>Year wise production as proposed under approved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 28730 t<br/> 2<sup>nd</sup> Year : 28532 t<br/> 3<sup>rd</sup> Year : 28856 t<br/> 4<sup>th</sup> Year : 29124 t<br/> 5<sup>th</sup> Year : 28932 t</p> | <p><b>Change</b></p> <p>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC.</p> |
| 5. | M/s Okhargara Stone Mines of Mr. Sunil Kr. Sharma, Vill- Okhargara, Tehsil- Meral, Dist- Garhwa, Jharkhand (1.23 Acre)         | 709 | 31.12.14 | <p>The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 20,404 t</p> <p>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 6,010 t<br/> 2<sup>nd</sup> Year : 5,986 t<br/> 3<sup>rd</sup> Year : 6,080 t<br/> 4<sup>th</sup> Year : 6,021 t<br/> 5<sup>th</sup> Year : 5,932 t</p>        | <p>No Change</p>   | <p><b>No change</b></p>   |

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| 6. | Bakhari Stone Mine M/S Tiwary Minerals Co., Vill- Bakhari, P.O.- Sua, Dist- Palamu, Jharkhand ( Area- 2.30 Ac)         | 130 | 07.09.13 | <p>The details of mine capacity in unapproved Mine Plan quoting</p> <p>i. Proved Reserve : 232750 t</p> <p>ii. Probable Reserve : 95000 t</p> <p>iii. Possible Reserve : 47500 t</p> <p>iv. Total Reserve : 375250 t</p> <p>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 45,770 t</p> <p>2<sup>nd</sup> Year : 45,030 t</p> <p>3<sup>rd</sup> Year : 42,492 t</p> <p>4<sup>th</sup> Year : 42,640 t</p> <p>5<sup>th</sup> Year : 40,005 t</p>                | <p>Total Reserve : 100783.13 t</p> <p>Year wise production as proposed under approved Mine Plan for three years is as follows :-</p> <p>2015-16 : 46497 t</p> <p>2016-17 : 46500 t</p> <p>2017-18 : 7787.63 t</p>   | <p><b>Change</b></p> <p>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC.</p> |
| 7. | Gurha Stone Quarry of M/S Suresh Kr. Jhanjhari, Vill- Gurha, Tehsil- Birni, Dist- Giridih, Jharkhand- Area- (1.072 Ha) | 177 | 26.11.13 | <p>The details of mine capacity in unapproved Mine Plan quoting</p> <p>v. Proved Reserve : 69,122 cum</p> <p>vi. Probable Reserve : 51,841 cum</p> <p>vii. Possible Reserve : 51,841 cum</p> <p>viii. Total Reserve : 1,72,800 cum</p> <p>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 6460 cum</p> <p>2<sup>nd</sup> Year : 4180 cum</p> <p>3<sup>rd</sup> Year : 3800 cum</p> <p>4<sup>th</sup> Year : 4256 cum</p> <p>5<sup>th</sup> Year : 25498 cum</p> | <p>The details of mine capacity in approved Mine Plan quoting</p> <p>i. Proved Reserve : 41400 cum</p> <p>ii. Probable Reserve : 6434 cum</p> <p>iii. Total Mineral Resource : 160382 cum</p> <p>Year wise production as proposed under approved Mine Plan for five years is as follows :-</p> <p>1<sup>st</sup> Year : 6460 cum</p> <p>2<sup>nd</sup> Year : 4180 cum</p> <p>3<sup>rd</sup> Year : 3800 cum</p> <p>4<sup>th</sup> Year : 4256 cum</p> <p>5<sup>th</sup> Year : 25498 cum</p> | <p><b>Change</b></p> <p>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC.</p> |

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| 8.  | Stone Mining Project of Leungdih, M/s Radha Krishna Jaiswal, Vill-Leungdih, Chandil, Dist-Sarailela-Kharsawan, Jharkhand (23.50 Ac)                             | 103 | 06.08.13 | Proposed production from mine = 30 lac cubic feet/year   | The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve : 6906276 t<br><br>Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 695704 t<br>2 <sup>nd</sup> Year : 691570 t<br>3 <sup>rd</sup> Year : 694270 t<br>4 <sup>th</sup> Year : 692726 t<br>5 <sup>th</sup> Year : 692037 t | <b>Change</b><br><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |
| 9.  | Chagajo, Bunda Stone Quarry of M/s Maa Chinnamastika Steel India (P) Ltd. Vill- Chagajo & Bunda Baraghathi, Tehsil-Ranga, Dist- Sahibganj, Jharkhand (4.845 Ha) | 375 | 15.05.14 | The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 40,01,760 t<br><br>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 6,00,000 t<br>2 <sup>nd</sup> Year : 6,07,580 t<br>3 <sup>rd</sup> Year : 6,01,770 t<br>4 <sup>th</sup> Year : 6,03,537 t<br>5 <sup>th</sup> Year : 6,40,000 t | The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve : 3150344 t<br><br>Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 592116 t<br>2 <sup>nd</sup> Year : 613449 t<br>3 <sup>rd</sup> Year : 603554 t<br>4 <sup>th</sup> Year : 607622 t<br>5 <sup>th</sup> Year : 607039 t | <b>Change</b><br><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |
| 10. | Kudo Chhatarpur Stone mine of M/s Hemant Kumar, Vill-Kudo, Chhatarpur, P.S-Raidih, Gumla, Dist- Jharkhand.(0.81 ha).  | 340 | 31.03.14 | The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 433092 t<br><br>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 24146 t<br>2 <sup>nd</sup> Year : 23693 t<br>3 <sup>rd</sup> Year : 22486 t<br>4 <sup>th</sup> Year : 24729 t<br>5 <sup>th</sup> Year : 24289 t                   | The details of mine capacity in approved Mine Plan quoting Mineable Proved Reserve : 300537 t<br><br>Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 11316 t<br>2 <sup>nd</sup> Year : 12976 t<br>3 <sup>rd</sup> Year : 11146 t<br>4 <sup>th</sup> Year : 11162 t<br>5 <sup>th</sup> Year : 12879 t       | <b>Change</b><br><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |









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| 11. | Bhagundha Stone mine of M/s Patil Construction Ltd., Vill- Bhagundha, P.O- Rannuna, Dist-Garhwa, Jharkhand. (2.023 hac). | 74  | 17.06.13 | Production from the mine per day = 3000 tones.<br>Production from the mine per month = 3000 *26 = 78000 tones<br>Production during life time of the mine = 7,80,000 t =0.78 million tones  | Production capacity 10,000 cft/day<br>Production capacity per annum 84900.00 cum/annum or 229,230.00 MT/annum   | <b>Change</b><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |
| 12. | Domchanch Stone Quarry of M/s Jai Mata Di Stone at Domchanch, Koderna, Jharkhand. (0.37 ha).                             | 320 | 31.03.14 | The details of mine capacity in unapproved Mine Plan quoting Mineable Proved Reserve : 90,000 t<br>Year wise production as proposed under unapproved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : Nil<br>2 <sup>nd</sup> Year : 24,000 t<br>3 <sup>rd</sup> Year : 24,000 t<br>4 <sup>th</sup> Year : 24,000 t<br>5 <sup>th</sup> Year : 24,000 t | Year wise production as proposed under approved Mine Plan for five years is as follows :-<br>1 <sup>st</sup> Year : 22798.8 t<br>2 <sup>nd</sup> Year : 33415.2 t<br>3 <sup>rd</sup> Year : 25704 t<br>4 <sup>th</sup> Year : 18770.4 t<br>5 <sup>th</sup> Year : 12614.4 t | <b>Change</b><br>If the mine has been run, actual yearly production figure from DMO should be obtained against the conditional EC issued and penal fine be imposed along with the rejection of EC. |

It has been observed that there is a change in the production target and calendar plan compared to the earlier issued EC. This is a Violation of Environment (Protection) Act, 1986. The PP never approached the SEAC/SEIAA for these changes made. Therefore committee recommends to SEIAA that the EC issued earlier in case of all these cases should be withdrawn and fresh EC application be submitted by the PP to the competent authority.

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