

MINUTES OF THE 22nd MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 15th to 18th OCTOBER 2014

The 22nd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 15th to 18th October 2014 under the Chairmanship of Sri S.B.S Chauhan on 15th & 16th and Sh. A.K. Saxena on 17th & 18th in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

1. Sh. A.K. Saxena - Chairman (Partly)
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. Dr. Mahendra Mahto - Secretary

Various projects which were received by SEIAA after the previous SEAC meeting held from 15th to 18th September 2014 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. Projects recommended to SEIAA for consideration of grant of EC.

1. Proposals related to Brick Earth

I. Brick Clay Mining of M/s S.M.B Bricks at Vill.- Lodhma, Tehsil- Dist.- Ramgarh, Jharkhand.(0.82 Ha)

This is a Brick Clay Mining Project for having an area of 0.82 Ha [Plot No- 186]. 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. I.-11011/47/2011-IA.II(M), dated- 24th 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 38.75 Lakhs and a provision of Rs 2.50 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s S.M.B Bricks at Vill.-Lodhma, Tehsil-Dist.- Ramgarh, Jharkhand.(0.82 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

II. Brick Clay Mining of M/s L.K Bricks Vill.-Piri, Taluka- Barkakana, Dist.- Ramgarh, Jharkhand. (0.96 Ha)

This is a Brick Clay Mining Project for having an area of 0.96 Ha [Plot No- 132 & 133]. 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- 24th 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 38.00 Lakhs and a provision of Rs 2.45 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s L.K Bricks Vill.- Piri, Taluka- Barkakana, Dist.- Ramgarh, Jharkhand. (0.96 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.



III. Brick Clay Mining of M/s Raju Bricks at Vill.- Kaitha, Taluka-Ramgarh Cantt, Dist.-Ramgarh, Jharkhand (0.583 Ha)

This is a Brick Clay Mining Project for having an area of 0.583 Ha [Plot No- 333 & 334]. 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- 24th 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 36.00 Lakhs and a provision of Rs 2.22 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Raju Bricks at Vill.- Kaitha, Taluka-Ramgarh Cantt, Dist.- Ramgarh, Jharkhand (0.583 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

IV. Brick Clay Mining of M/s Piyush Berlia Bricks at Vill.- Kaitha, Taluka-Ramgarh Cantt, Dist.-Ramgarh, Jharkhand (0.57 Ha)

This is a Brick Clay Mining Project for having an area of 0.57 Ha [Plot No- 494]. The committee noted that as per Form I it is a proposal for renewal 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- 24th 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 23.20 Lakhs and a provision of Rs 1.92 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Piyush Berlia Bricks at Vill.- Kaitha, Taluka- Ramgarh Cantt, Dist.-Ramgarh, Jharkhand (0.57 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

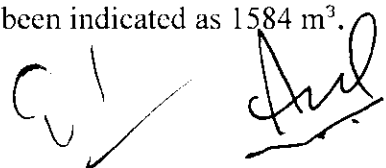
V. Brick Clay Mining of M/s Puja Bricks at Vill.- Gobardhara, Tehsil- Kaitha, Dist.- Ramgarh, Jharkhand.(0.63 Ha)

This is a Brick Clay Mining Project for having an area of 0.63 Ha [Plot No- 524]. 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- 24th 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 38.60 Lakhs and a provision of Rs 2.45 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.



Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Puja Bricks at Vill.- Gobardhara, Tehsil-Kaitha, Dist.- Ramgarh, Jharkhand (0.63 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

VI. Brick Clay Mining of M/s Rupa Bricks at Vill.- Gobardhara, Tehsil-Kaitha, Dist.- Ramgarh, Jharkhand. (0.91 Ha)

This is a Brick Clay Mining Project for having an area of 0.91 Ha [Plot No- 420]. 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- 24th 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 Lakhs and a provision of Rs 2.64 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Rupa Bricks at Vill.- Gobardhara, Tehsil-Kaitha, Dist.- Ramgarh, Jharkhand (0.91 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

VII. Brick Clay Mining of M/s Durga Kali Maa Bricks. at Vill.- Gobardarha, P.O.- Kaitha, Dist.- Ramgarh, Jharkhand(0.99 Ha)

This is a Brick Clay Mining Project for having an area of 0.99 Ha [Plot No- 272]. 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- 24th 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 45 Lakhs and a provision of Rs 2.25 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 3960 m³.

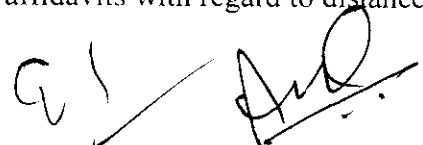
Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Durga Kali Maa Bricks at Vill.- Gobardarha, P.O.- Kaitha, Dist.- Ramgarh, Jharkhand (0.99 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

VIII. Brick Clay Mining of M/s Naina Bricks at Vill.- Gobardarha, P.O.- Kaitha, Dist.- Ramgarh, Jharkhand.(0.77 Ha.)

This is a Brick Clay Mining Project for having an area of 0.77 Ha [Plot No-498 & 476]. 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- 24th 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 20 Lakhs and a provision of Rs 0.50 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from



forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 3000 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Naina Bricks at Vill.- Gobardarha, P.O.- Kaitha, Dist.- Ramgarh, Jharkhand. (0.77 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

IX. Brick Clay Mining of M/s S.B.W Bricks at Vill.-Dadwatand, P.O.- Bongabar , Dist.- Ramgarh, Jharkhand.(0.40 Ha)

This is a Brick Clay Mining Project for having an area of 0.40 Ha [Plot No- 484]. 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. I-11011/47/2011-IA.II(M), dated- 24th 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 23 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1600 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s S.B.W Bricks at Vill.-Dadwatand, P.O.- Bongabar , Dist.-Ramgarh, Jharkhand.(0.40 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

X. Brick Clay Mining of M/s Nath Bricks at Vill.-Chaha, P.O.- Kurum, District-Ramgarh, Jharkhand Jharkhand(0.40 Ha).

This is a Brick Clay Mining Project for having an area of 0.40 Ha [Plot No- 1172]. The committee noted that as per Form I it is a proposal for renewal 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- 24th 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 23 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

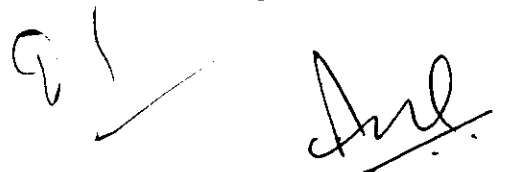
The proposed annual production capacity as per Form I has been indicated as 1600 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Nath Bricks at Vill.-Chaha, P.O.- Kurum, District- Ramgarh, Jharkhand (0.40 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

XI. Brick Clay Mining of M/s J.H Bricks at Vill.- Chaha, P.O.- Kurum, District- Ramgarh, Jharkhand (0.509 Ha).

This is a Brick Clay Mining Project for having an area of 0.509 Ha [Plot No- 1035, 1014, 1115 & 1116]. 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- 24th 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

Handwritten signature and initials in black ink, located at the bottom right of the page.

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 78.72 Lakhs and a provision of Rs 8.85 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 2036 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s J.H Bricks at Vill.- Chaha, P.O.- Kurum, District- Ramgarh, Jharkhand (0.509 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

XII. Brick Clay Mining of M/s Radha Krishna Bricks at Vill.- Kendua & Mahakudiya, P.O.-Ghatsila, District- East Singhbhum Jharkhand(1.44 Ha)

This is a Brick Clay Mining Project for having an area of 1.44 Ha [Plot No- Kendua- 360 (P), 411 (P), 414 (P) & 415 (P), Mahakudiya- 435, 436, 558 to 562]. 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. I-11011/47/2011-IA.II(M), dated- 24th 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 52.54 Lakhs and a provision of Rs 5.11 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 3407 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Radha Krishna Bricks at Vill.- Kendua & Mahakudiya, P.O.-Ghatsila, District- East Singhbhum Jharkhand(1.44 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.



XIII. Brick Clay Mining of M/s Durga Mata Bricks at Vill.- Huhua, P.O.- Chhatramadu, District- Ramgarh, Jharkhand (0.336 Ha).

This is a Brick Clay Mining Project for having an area of 0.336 Ha [Plot No- 1081]. 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- 24th 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 not have any major impact on the surroundings. The indicated project cost is Rs 60 Lakhs and a provision of Rs 8.29 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

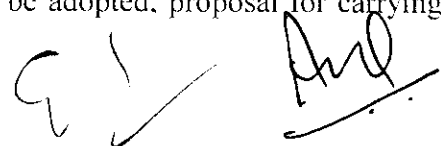
The proposed annual production capacity as per Form I has been indicated as 1344 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Durga Mata Bricks at Vill.- Huhua, P.O.- Chhatramadu, District-Ramgarh, Jharkhand (0.336 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

XIV. Brick Clay Mining of M/s Usha Bricks at Vill.- Kaliyatu, P.O.-Kaitha Ramgarh , District- Ramgarh (0.404 Ha)

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No- 1225]. 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- 24th 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 42 Lakhs and a provision of Rs 1.19 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 1616 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Usha Bricks at Vill.- Kaliyatu, P.O.-Kaitha Ramgarh , District- Ramgarh (0.404 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

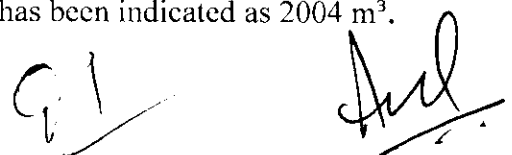
XV. Brick Clay Mining of M/s K.R.T Bricks at Vill.- Banhara, P.O- Kumharia, P.S- Kanke, Distt.- Ranchi, Jharkhand. (0.501 Ha)

This is a Brick Clay Mining Project for having an area of 0.501 Ha [Plot No- 336]. 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- 24th 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 40 Lakhs and a provision of Rs 0.40 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual production capacity as per Form I has been indicated as 2004 m³.



Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s K.R.T Bricks at Vill.- Banhara, P.O- Kumharia, P.S- Kanke, Distt.- Ranchi, Jharkhand. (0.501 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

Annexure I

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 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.
1. 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.
4. 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.
5. 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.
6. The borrowing / excavation activity shall not alter the natural drainage pattern of the area.
7. The borrowing / excavated pit shall be restored by the project proponent for useful purpose (s).
8. Appropriate fencing all around the borrowed / excavated pit shall be made to prevent any mishap.
9. Measures shall be taken to prevent dust emission by covering of borrowed / excavated earth during transportation.
10. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing / excavation of earth.
11. Workers / labours shall be provided with facilities for drinking water and sanitation.
12. A considerable space from mine pit shall be left from the boundary of adjoining field, having, minimum width of 5M.
13. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.
14. 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.



15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Suitable rainwater harvesting scheme shall be planned and implemented as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
21. 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.
22. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
23. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
24. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
25. 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.
26. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
27. A final mine closure scheme plan of mine pit shall be submitted to concerned DMO in advance of final mine closure for approval.
28. 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.
29. 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.

30. 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.
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,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
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 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also be sent to the concerned Regional Office of JSPCB by e-mail.
15. All statutory clearances shall be obtained before start of mining operations.

C. Other points

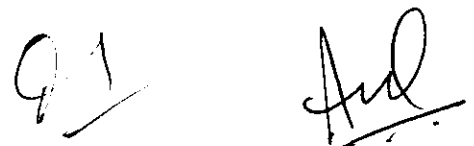
1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance will be valid 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 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.

2. Proposals related to Stone Mine (New Projects)

I. Stone Mine of Ramchandra Mehta at Vill.- Domchanch, Tehsil- Domchanch, Dist.- Koderma, Jharkhand.(4.86 Ha)

This is a Stone Mining Project for having an area of 4.86 Ha [Plot No- 5688 (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 not have any major impact on the surroundings. The



indicated project cost is Rs 26.00 Lakhs and a provision of Rs 2.50 Lakhs will be kept for Environment management.

The details of mine capacity as per approved Mining Plan are

Mineable Proved Reserve : 14.86.881 t

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

1 st Year	:	1,65,367 t
2 nd Year	:	2,83,777 t
3 rd Year	:	3,17,067 t
4 th Year	:	1,31,461 t
5 th Year	:	2,31,367 t

The daily production as per Form I is 750 tonnes.

PP has submitted certificates from Circle Officer, 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 Stone Mine of Ramchandra Mehta at Vill.- Domchanch, Tehsil-Domchanch, Dist.- Koderma, Jharkhand.(4.86 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - II.

II. Koderma Stone Mine of M/s Sarita Mehta at Vill.- Domchanch, P.S.- Koderma, Dist- Koderma, Jharkhand (4.86 Ha).

This is a Stone Mining Project for having an area of 4.86 Ha [Plot No- 5688 (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 23 Lakhs and a provision of Rs 2 Lakhs will be kept for Environment management.

The details of mine capacity as per approved Mining Plan are

Mineable Proved Reserve : 13,38,192 t

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

1 st Year	:	2,49,900 t
2 nd Year	:	1,87,931 t
3 rd Year	:	1,31,222 t
4 th Year	:	2,20,327 t
5 th Year	:	2,00,990 t

The daily production as per Form I is 660 tonnes.

PP has submitted certificates from Circle Officer, 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 Koderma Stone Mine of M/s Sarita Mehata at Vill.- Domchanch, P.S.- Koderma, Dist- Koderma, Jharkhand (4.86 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - II.

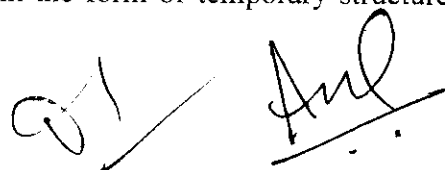
Annexure II

A. Specific Conditions

1. The environmental clearance is subject to 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 / 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 MI. 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 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 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.

The page contains two handwritten signatures or initials in black ink. The one on the left is a stylized, cursive signature that appears to be 'S. S.'. The one on the right is a more formal signature, possibly 'Anil', written in a cursive style with a horizontal line underneath.

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.
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,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, 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 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986.as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded 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.

III. Luta Stone Deposit of M/s Maa Kauleshwari Stone Works at Vill.- Luta,Thana - Hunterganj, Dist.- Chatra, Jharkhand (2.32 Ha)

This is a Stone Mining Project for having an area of 2.32 Ha [Plot No- 47, 49, 74 (P), 88 (P), 92 & 93 (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 50.00 Lakhs and a provision of Rs 1.35 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 13.44,560 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1,33,469 t
2 nd Year	:	1,28,412 t
3 rd Year	:	1,35,076 t
4 th Year	:	1,35,165 t
5 th Year	:	1,35,977 t

The daily production as per Form I is 461 tonnes.

PP has submitted certificates from Circle Officer, 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 Luta Stone Deposit of M/s Maa Kauleshwari Stone Works at Vill.- Luta, Thana - Hunterganj, Dist.- Chatra, Jharkhand (2.32 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

IV. Jhabar Stone Mines of Shri Harinandan Singh at Vill.- Jhabar,P.S.- Jhabar P.O.- Jhabar, P.S.- Sadar,Medninar,Dist.- Palamu, Jharkhand. (3.24 Ha)

This is a Stone Mining Project for having an area of 3.24 Ha [Plot No- 384] . 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 18.095 Lakhs and a provision of Rs 5.40 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 3,74,699 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	67,969 t
2 nd Year	:	72,217 t
3 rd Year	:	80,714 t
4 th Year	:	84,962 t
5 th Year	:	84,962 t

The daily average production based on 300 working days as per Form I is 283 tonnes.

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

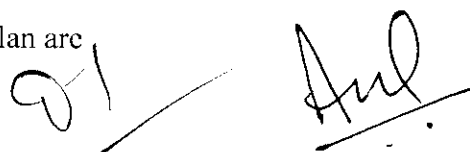
Based on the presentation made and information provided the Committee recommends that the proposal for Jhabar Stone Mines of Shri Harinandan Singh at Vill.- Jhabar,P.S.- Jhabar P.O.- Jhabar, P.S.- Sadar,Medninagar,Dist.- Palamu, Jharkhand. (1.497 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

V. Kantphari Stone Deposit of M/s Rajah Mining Corporation at Vill.- Kantphari, Thana- Shikaripara, Dist.- Dumka, Jharkhand. (1.935 Ha)

This is a Stone Mining Project for having an area of 1.935 Ha [Plot No- 869, 871 (P), 872 to 879] . 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 48.00 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are



Mineable Proved Reserve : 2,75,854 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	28,364 t
2 nd Year	:	28,139 t
3 rd Year	:	28,256 t
4 th Year	:	28,107 t
5 th Year	:	28,188 t

The daily average production based on 300 working days as per Form I is 95 tonnes.

PP has submitted certificates from Circle Officer, 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 Kantphari Stone Deposit of M/s Rajah Mining Corporation at Vill.-Kantphari, Thana- Shikaripara, Dist.- Dumka, Jharkhand. (1.935 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

VI. Stone Mine of M/s Jai Maa Mangla Gauri Stone Works at Vill.-Karamkala, P.S.- Chhatarpur, Dist.- Palamu, Jharkhand. (3.24 Ha.)

This is a Stone Mining Project for having an area of 3.24 Ha [Plot No- 1110 (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 17.55 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 19,20,800 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1,10,000 t
2 nd Year	:	1,10,500 t
3 rd Year	:	1,20,000 t

4 th Year	:	1,20,000 t
5 th Year	:	1,20,000 t

The daily production as per Form I is 400 tonnes.

PP has submitted certificates from Circle Officer, 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 Stone Mine of M/s Jai Maa Mangla Gauri Stone Works at Vill.- Karamkala, P.S.- Chhatarpur, Dist.- Palamu, Jharkhand (3.24 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

VII. Bhawani Stone Mine of M/s Rajesh & Santosh Stone Chips at Mouza- Charai, Block- Chhatarpr, Dist.-Palamu, Jharkhand (0.97 Ha).

This is a Stone Mining Project for having an area of 0.97 Ha [Plot No- 241] . 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 35.00 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	28,00,000 t
-------------------------	---	-------------

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	44,972 t
2 nd Year	:	57,031 t
3 rd Year	:	54,640 t
4 th Year	:	57,587 t
5 th Year	:	57,569 t

The daily production as per Form I is 181 tonnes.

PP has submitted certificates from Circle Officer, 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 Bhawani Stone Mine of M/s Rajesh & Santosh Stone Chips at Mouza-Charai, Block- Chhatarpr, Dist.-Palamu, Jharkhand (0.97 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

VIII. Utaki Stone Mine of Shri Satish Kr. Tiwary at Mouza- Utaki, Block & Thana –Patan, Dist.-Palamu, Jharkhand. (1.61 Ha).

This is a Stone Mining Project for having an area of 1.61 Ha [Plot No- 27 (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 46.00 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,10,000 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1,05,002 t
2 nd Year	:	1,05,000 t
3 rd Year	:	1,02,166 t
4 th Year	:	1,05,016 t
5 th Year	:	91,495 t

The daily production as per Form I is 340 tonnes.

PP has submitted certificates from Circle Officer, 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 Utaki Stone Mine of Shri Satish Kr. Tiwary at Mouza- Utaki, Block & Thana –Patan, Dist.-Palamu, Jharkhand. (1.61 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

IX. Garadih Stone Mine of M/s Tauhid Ansari & Maksud Alam at Vill.- Garadih, Tehsil- Kairo, Dist.- Lohardaga, Jharkhand(1.01 Ha)

This is a Stone Mining Project for having an area of 1.01 Ha [Plot No- 365 (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 10.55 Lakhs and a provision of Rs 3.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 8,08,135 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	14,000 t
2 nd Year	:	14,500 t
3 rd Year	:	15,000 t
4 th Year	:	15,000 t
5 th Year	:	15,000 t


The daily production as per Form I is 50 tonnes.

PP has submitted certificates from Circle Officer, 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 Garadih Stone Mine of M/s Tauhid Ansari & Maksud Alam at Vill.- Garadih, Tehsil- Kairo, Dist.- Lohardaga, Jharkhand(1.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

X. Umri Stone Mine of M/s Sharat Kumar Vidyarthi at Vill.- Umri, Tehsil- Kuru, Dist.- Lohardaga, Jharkhand. (1.21 Ha).

This is a Stone Mining Project for having an area of 1.21 Ha [Plot No- 1323 (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 15.30 Lakhs and a provision of Rs 3.75 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 6,81,325 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	21,000 t
2 nd Year	:	22,000 t
3 rd Year	:	22,500 t
4 th Year	:	22,500 t
5 th Year	:	22,500 t

The daily production as per Form I is 75 tonnes.

PP has submitted certificates from Circle Officer, 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 Umri Stone Mine of M/s Sharat Kumar Vidyarthi at Vill.- Umri, Tehsil-Kuru, Dist.- Lohardaga, Jharkhand. (1.21 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

XI. Aharichuan Stone Deposit of M/s Adibasi Stone Co-operative Society at Vill.- Aharichuan, P.S.- Gopikandar, Dist. - Dumka, Jharkhand. (1.497 Ha)

This is a Stone Mining Project for having an area of 1.497 Ha (Plot No- 413). 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 60 Lakhs and a provision of Rs 1.60 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 4,59,008 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	47,309 t
2 nd Year	:	47,471 t
3 rd Year	:	47,377 t
4 th Year	:	47,088 t
5 th Year	:	47,075 t

The daily average production based on 300 working days as per Form I is 158 tonnes.

PP has submitted certificate from CO, DMO & DMO. The informations were examined and found to be satisfactory.

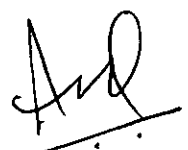
Based on the presentation made and information provided the Committee recommends that the proposal for Aharichuan Stone Deposit of M/s Adibasi Stone Co-operative Society at Vill.- Aharichuan, P.S.- Gopikandar, Dist. -Dumka, Jharkhand.(1.497 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III.

Annexure III.

A. Specific Conditions

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. 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.
3. 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.
4. Environmental clearance is subject to final order of the Hon`ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
5. 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.

6. 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.
7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
18. 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.

19. 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.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. 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.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. 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.
27. 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 IIFMM, 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.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, 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 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded 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.

3. Proposals related to Stone Mine (Renewal Projects)

XII. Banadag Stone Mine of Sri Nadeem Alam & Shri Dilip Singh at Vill.-banadag, Thana- Angara, Dist.- Ranchi, Jharkhand. (0.93 Ha).

This is a Stone Mining Project for having an area of 0.93 Ha [Plot No- 356]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 17.08.2005 to 17.07.2014 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 25.00 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 55,877 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	7155 t
2 nd Year	:	7169 t
3 rd Year	:	7171 t
4 th Year	:	7228 t
5 th Year	:	7290 t

The daily production as per Form I is 24 tonnes.

PP has submitted certificates from Circle Officer, 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 Banadag Stone Mine of Sri Nadeem Alam & Shri Dilip Singh at Vill.-banadag, Thana- Angara, Dist.- Ranchi, Jharkhand (0.93 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV.

XIII. Banskola Stone Deposit of M/S R.P. Singh Stone Works at Vill- Banskola, Taluka- Taljhari, Dist.- Sahibganj, Jharkhand (3.076 Ha)

This is a Stone Mining Project for having an area of 3.076 Ha [Plot No- 448 & 450 to 453]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was granted to PP on 07.09.1992 and renewed w.e.f. 07.09.2002 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 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 18.91 Lakhs and a provision of Rs 4.20 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,32,532.80 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	Nil
2 nd Year	:	64,625.40 t
3 rd Year	:	64,625.40 t
4 th Year	:	64,625.40 t
5 th Year	:	64,625.40 t

The daily average production based on 300 working days as per Form I is 215 tonnes.

PP has submitted certificates from Circle Officer, 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 Banskola Stone Deposit of M/S R.P. Singh Stone Works at Vill- Banskola, Taluka- Taljhari, Dist.- Sahibganj, Jharkhand (3.077 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV.

XIV. Stone Quarry at Futkadih of Shri Radha Nath Soren at Vill.-Futkadih, Tehsil-Petarwar, Dist.-Bokaro, Jharkhand. (0.137 Ha)

This is a Stone Mining Project for having an area of 0.137 Ha [Plot No- 199]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 17.07.2001 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 4.25 Lakhs and a provision of Rs 0.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 3915 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	729 t
2 nd Year	:	680 t
3 rd Year	:	680 t
4 th Year	:	675 t
5 th Year	:	683 t

The daily production as per Mine Plan is 3 tonnes.

PP has submitted certificates from Circle Officer, 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 Stone Quarry at Futkadih of Shri Radha Nath Soren at Vill.-Futkadih, Tehsil-Petarwar, Dist.-Bokaro, Jharkhand. (0.137 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV.

Annexure IV.

A. Specific Conditions

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of

- environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. 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.
 3. 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.
 4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
 5. 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.
 6. 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.
 7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
 8. 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.
 9. 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.
 10. 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.
 11. 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.
 12. 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.
 13. 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.



14. 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.
15. 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.
16. 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.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
18. 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.
19. 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.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. 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.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. 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.
27. 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.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, 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 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently



,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.

17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of renewal 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.

XV. Stone Quarry of M/s Savita Stone at Vill.- Domchanch, Tehsil- Domchanch, Dist.- Koderma, Jharkhand. (1.66 Ha)

This is a Stone Mining Project for having an area of 1.66 Ha [Plot No- 5688 (P) & 10938 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 21.11.2010 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 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 16.80 Lakhs and a provision of Rs 6.25 Lakhs will be kept for Environment management.

The details of mine capacity as per approved in Mining Plan are



Mineable Proved Reserve : 9,45,000 t

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

1 st Year	:	80,000 t
2 nd Year	:	85,000 t
3 rd Year	:	90,000 t
4 th Year	:	90,000 t
5 th Year	:	90,000 t

The daily production as per Form I is 300 tonnes.

PP has submitted certificates from Circle Officer, 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 Stone Quarry of M/s Savita Stone at Vill.- Domchanch, Tehsil-Domchanch, Dist.- Koderma, Jharkhand. (1.66 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVI. Stone Quarry of M/s Savita Stone at Vill.- Domchanch, Tehsil-Domchanch, Dist.- Koderma, Jharkhand. (0.62 Ha)

This is a Stone Mining Project for having an area of 0.62 Ha [Plot No- 5688 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 08.05.2003 to 07.05.2013 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 11.45 Lakhs and a provision of Rs 2.90 Lakhs will be kept for Environment management.

The details of mine capacity as per approved in Mining Plan are

Mineable Proved Reserve : 2,49,480 t

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

1 st Year	:	15,000 t
2 nd Year	:	15,000 t
3 rd Year	:	15,000 t



4th Year : 15,000 t
5th Year : 15,000 t

The daily production as per Form I is 50 tonnes.

PP has submitted certificates from Circle Officer, 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 Stone Quarry of M/s Savita Stone at Vill.- Domchanch, Tehsil-Domchanch, Dist.- Koderma, Jharkhand. (0.62 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVII. Langraparas Stone Mine of Shri Arvind Kumar Singh at Vill- Langraparas, Tehsil- Domchanch, Dist.- Koderma, Jharkhand (1.205 Ha)

This is a Stone Mining Project for having an area of 1.205 Ha [Plot No- 21 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 09.12.1999 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 2.15 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 3,25,909 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1st Year : 26,641 t
2nd Year : 24,770 t
3rd Year : 24,721 t
4th Year : 25,191 t
5th Year : 42,368 t

The daily production as per Mine Plan is 144 tonnes.

PP has submitted certificates from Circle Officer, 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 Langraparas Stone Mine of Shri Arvind Kumar Singh at Vill-Langraparas, Tehsil- Domchanch, Dist.- Koderma, Jharkhand.(1.025 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVIII. Langraparas Stone Mine of Shri Arvind Kumar Singh at Vill- Langraparas, Tehsil- Domchanch, Dist.- Koderma, Jharkhand.(2.79 Ha)

This is a Stone Mining Project for having an area of 2.79 Ha [Plot No- 19 (P) & 21 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 07.05.1999 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 2.75 Lakhs and a provision of Rs 0.75 Lakhs will be kept for Environment management.

The details of mine capacity as per approved in Mining Plan are

Mineable Proved Reserve : 7,31.055 t

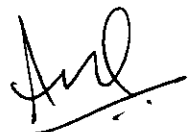
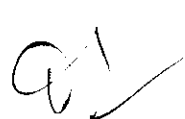
Year-wise Production as per approved Mining Plan Report for five years is as follows

1 st Year	:	75,452 t
2 nd Year	:	75,886 t
3 rd Year	:	75,422 t
4 th Year	:	75,165 t
5 th Year	:	83,209 t

The daily production as per Mine Plan is 282 tonnes.

PP has submitted certificates from Circle Officer, 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 Langraparas Stone Mine of Shri Arvind Kumar Singh at Vill-

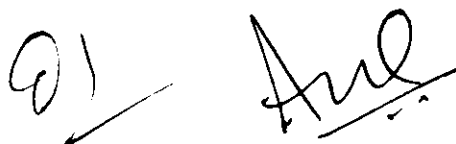


Langraparas, Tehsil- Domchanch, Dist.- Koderma, Jharkhand.(2.79 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

Annexure V.

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 / 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.
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 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.

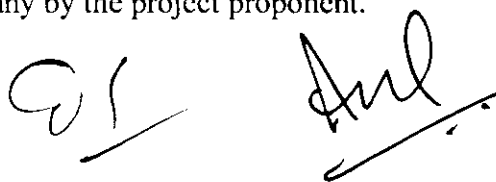
The page contains two handwritten signatures or initials. The first one on the left is a stylized 'D' or 'D1' with a horizontal line underneath. The second one on the right is a cursive signature that appears to be 'Anil' with a horizontal line underneath.

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.
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.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, 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 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent 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

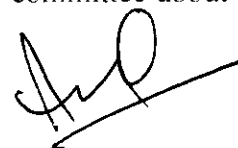
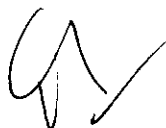
1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall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

B. Projects recommended to SEIAA for consideration of issue of TOR.

1. **Expansion of Non Recovery Coke Oven Plant of M/s Bihar Hard Coke Mfg. Co. Pvt. Ltd. Vill- Udaipur, Tehsil- Kalyanpur ISM, Dist.- Dhanbad, Jharkhand.**

M/s Bihar Hard Coke Mfg. Co. Pvt. Ltd. have proposed for expansion up of their Hard Coke Oven Plant from existing 14,271 TPA to 44,800 TPA at Vill- Udaipur, Tehsil- Kalyanpur ISM, Dhanbad, Jharkhand. No extra land is required for the proposed expansion. (Existing: 5.07 Acres and Additional area: Nil). Green belt will be developed in 2.47 acres. The latitude and longitude of the project site is 23° 51' 22.2" N and 86°23'58.4" E respectively. No Forest land is involved. No national park/wild life sanctuary is located within 10 Km.. Tundi reserve forest is located at a distance of 8 km (NW) and Topchanchi reserve forest 5 km (SW). Total cost of the project is Rs. 3.08 Crores. The proposed project is a Category B project as per the Schedule of EIA Notification 2006.

In view of the prevailing situation the committee decided to visit site and have a first-hand idea. Er. S.K. Singh and Dr. S.K. Singh will visit the project site to the prevailing conditions there. Due to sickness Dr. S.K. Singh could not visit the site and in his place Shri A. K Saxena, Chairman, SEAC visited the site. Sri S.K. Singh, Member, SEAC briefed the committee about the status of the project as observed during the site visit.



As per the documents submitted and observations made during visit this is case of violation. As a part of credible action Project Proponent was advised to submit an undertaking that there will be no violation in future. PP has submitted the same.

PP requested that since the proposal is for betterment in environment condition, proposed units are within the existing premises and there hardly any habitation around the project Public Hearing may be waived. It was also noted that there is no industrial effluent discharge from the plant and there is no extra land required for the expansion, as well as all environment parameters are well within the prescribed limit of JSPCB / CPCB. Thus the public hearing is exempted as the project is within the existing premises and is for betterment in respect of present environmental condition. The committee agreed to the request made by PP.

The project authorities along with their consultant M/s. Anacon Laboratories Pvt. Ltd, Nagpur gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Terms of Reference for preparation of EIA / EMP report.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 October 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

- 1 Executive summary of the project.
- 2 Photographs of the existing and proposed plant area.
- 3 A certified report of the status of compliance of the conditions stipulated in the environmental clearance and Consent to Operate for the existing operation of the project from JSPCB.
- 4 A line diagram/flow sheet for the process and EMP
- 5 Recent monitoring report which shall include data on AAQ, stack emission data, water quality, solid waste etc. shall be submitted.
- 6 Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, compliance to the notice(s).
- 7 A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 8 Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.
- 9 Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
- 10 Details and classification of total land (identified and acquired) should be included. Necessary documents indicating acquisition of land should be included.
- 11 Coordinates of the plant site with topo sheet co-ordinates should also be included.
- 12 A list of industries within 10 km radius of the plant area.


- 13 Residential colony should be located in upwind direction.
- 14 Action plan for the green belt development plan in 33 % area should be included.
- 15 Ecological status (Terrestrial and Aquatic) is vital. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species and various issues addressed and included.
- 16 At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing proceedings and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
- 17 Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
- 18 Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.

Process Related:

- 19 A line diagram / flow sheet for the process and EMP shall be submitted.
- 20 Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) green areas, water bodies and rivers/drainage passing through the project site should be included.
- 21 List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
- 22 Mass balance for the raw material and products should be included.
- 23 Studies for slurry, sludge material and solid waste generated should also be included, if the raw materials used has trace elements and a management plan. Manufacturing process details for all the process units should be included.
- 24 Possibility of installation of WHRB will be explored and details included.
- 25 Energy balance data for all the components should be incorporated.

Air Environment

- 26 Site-specific micro-meteorological data like temperature, relative humidity, hourly wind speed and direction, rainfall etc.
- 27 Ambient air quality at monitoring should be carried out adequately as per NAAQS 2009. Ambient air quality monitoring along with cumulative impact should be included for the day (24 hrs) for maximum GLC along with following:
- 28 The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. Chemical characterization of RSPM and incorporating of RSPM data.
 - i. Emissions (g/second) with and without the air pollution control measures.
 - ii. Meteorological inputs (wind speed, m/s), wind direction, ambient air temperature, cloud cover, relative humidity & mixing height using SODAR on hourly basis.
 - iii. Model input options for terrain, plume rise, deposition etc.
 - iv. Print-out of model input and output on hourly and daily average basis.

The page contains two handwritten signatures in black ink. The signature on the left is a stylized, cursive 'G' followed by a horizontal line. The signature on the right is a more complex, cursive signature that appears to start with 'A' and ends with a horizontal line.

- v. A graph of daily averaged concentration (MGLC scenario) with downwind distance at every 500 m interval covering the exact location of GLC.
 - vi. Details of air pollution control methods used with percentage efficiency that are used for emission rate estimation with respect to each pollutant.
 - vii. Applicable air quality standards as per LULC covered in the study area and % contribution of the proposed plant to the applicable Air quality standard. In case of expansion project, the contribution should be inclusive of both existing and expanded capacity.
 - viii. No. I-VII are to be repeated for fugitive emissions and any other source type relevant and used for industry.
 - ix. Graphs of monthly average daily concentration with down-wind distance.
 - x. Specify when and where the ambient air quality standards are exceeded either due to the proposed plant alone or when the plant contribution is added to the background air quality.
- 29 Fugitive dust protection or dust reduction technology for workers within 30 m of the plant active areas.
- 30 Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
- 31 Air pollution control measures during charging of raw materials and during operation of the furnace shall be detailed.
- 32 Air Quality Impact Predication based on CPCB/MoEF approved model(s) shall be presented.
- 33 Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
- 34 An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.

Water Environment

- 35 Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
- 36 If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
- 37 Ground water analysis at 8 locations with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
- 38 'Permission' for the drawl of water should be obtained from concerned authorities. Water balance data must be provided.
- 39 Action plan for rainwater harvesting measures should be prepared and the same should be got duly approved from Ground Water Directorate, Government of Jharkhand .
- 40 Surface water quality at 8 locations must be ascertained.
- 41 If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
- 42 Pre-treatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.

Solid Waste Management

- 1 Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
- 2 Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included.
- 3 End use of solid waste/slag and its composition should be covered.
- 4 Toxicity should be assessed following standard leaching procedures particularly the Toxicity Characteristic Leachate Procedure (TCLP) test for the slag.

Safety and Health


- 43 Risk/Disaster Management needs to be provided.
- 44 Occupational Health:
 - a) Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
 - b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - c) Annual report of health status of workers with special reference to Occupational Health and Safety.
 - d) Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.

45 Corporate Environment Policy

- I. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- II. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms/ conditions? If so, it may be detailed in the EIA.
- III. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- IV. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

It was decided that 'TORs' prescribed by the State level Environment Impact Assessment Authority (SEIAA) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation should be provided. The final EIA report shall be submitted to the SEIAA for obtaining environmental clearance.

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report.



2. M/S Shah Sponge & Power Ltd at vill- Bhumri (Juri), Tehsil- Potka, Distt.- East Singhbhum, Jharkhand.

M/s Shah Sponge & Power Ltd at present operates Sponge Iron Plant having 200 TPD, Pig Iron 60 TPD & Power 8 MW Now they wish to add some more units as detailed below at Vill.- Bhumri (Juri), Tehsil- Potka, Distt.- East Singhbhum, Jharkhand. For the proposed expansion (Existing: 33.00 Acres and Additional area: 2.23 Acres) of land is required. The latitude and longitude of the project site is 22° 37' 58" N and 86°10'49" E respectively. No Forest land is involved. No national park/wild life sanctuary/ecologically sensitive area located within 10 km radius of the project site. The cost of the project is Rs. 183.07 Crores.

The status of existing and proposed expansion units are as given below:-

Existing Units :-

S. No.	Plant details	Capacity (TPD)
1.	Sponge Iron	200 TPD
2.	Pig Iron Plant	60 TPD
3.	CPP (Phase -I)	8 MW

Proposed Units

S. No.	Plant details	Capacity
1.	CPP (Phase - I)	7 MW Modification/Up gradation of AFBC
2.	SMS & CCM (Phase - I)	480 TPD
3.	T.M.T Rolling Mill (Phase - II)	300 TPD
4.	With Re-heating furnace based on FO + Producer Gas	FO-1.8 TPH PGP-12000 Nm ³ /Hr
5.	CPP (Phase - II)	10 MW

The project authorities along with their consultant M/s. Visiontek Consultancy Services Pvt. Ltd., Bhubneswar gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Terms of Reference for preparation of EIA / EMP report.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 October 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

1. Executive summary of the project.
2. Photographs of the existing and proposed plant area.
3. A certified report of the status of compliance of the conditions stipulated in the environmental clearance and Consent to Operate for the existing operation of the project from JSPCB.
4. A line diagram/flow sheet for the process and EMP

5. Recent monitoring report which shall include data on AAQ, stack emission data, water quality, solid waste etc. shall be submitted.
6. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, compliance to the notice(s).
7. A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
8. Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.
9. Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
10. Details and classification of total land (identified and acquired) should be included. Necessary documents indicating acquisition of land should be included.
11. Coordinates of the plant site with topo sheet co-ordinates should also be included.
12. A list of industries within 10 km radius of the plant area.
13. Residential colony should be located in upwind direction.
14. Action plan for the green belt development plan in 33 % area should be included.
15. Ecological status (Terrestrial and Aquatic) is vital. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species and various issues addressed and included.
16. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing proceedings and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
17. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
18. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.

Process Related:

19. A line diagram / flow sheet for the process and EMP shall be submitted.
20. Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) green areas, water bodies and rivers/drainage passing through the project site should be included.
21. List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
22. Mass balance for the raw material and products should be included.

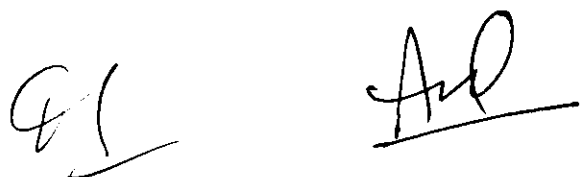



23. Studies for slurry, sludge material and solid waste generated should also be included, if the raw materials used has trace elements and a management plan. Manufacturing process details for all the process units should be included.
24. Possibility of installation of WHRB will be explored and details included.
25. Energy balance data for all the components should be incorporated.

Air Environment

26. Site-specific micro-meteorological data like temperature, relative humidity, hourly wind speed and direction, rainfall etc.
27. Ambient air quality at monitoring should be carried out adequately as per NAAQS 2009. Ambient air quality monitoring along with cumulative impact should be included for the day (24 hrs) for maximum GLC along with following:
28. The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. Chemical characterization of RSPM and incorporating of RSPM data.
 - i. Emissions (g/second) with and without the air pollution control measures.
 - ii. Meteorological inputs (wind speed, m/s), wind direction, ambient air temperature, cloud cover, relative humidity & mixing height using SODAR on hourly basis.
 - iii. Model input options for terrain, plume rise, deposition etc.
 - iv. Print-out of model input and output on hourly and daily average basis.
 - v. A graph of daily averaged concentration (MGLC scenario) with downwind distance at every 500 m interval covering the exact location of GLC.
 - vi. Details of air pollution control methods used with percentage efficiency that are used for emission rate estimation with respect to each pollutant.
 - vii. Applicable air quality standards as per LULC covered in the study area and % contribution of the proposed plant to the applicable Air quality standard. In case of expansion project, the contribution should be inclusive of both existing and expanded capacity.
 - viii. No. I-VII are to be repeated for fugitive emissions and any other source type relevant and used for industry.
 - ix. Graphs of monthly average daily concentration with down-wind distance.
 - x. Specify when and where the ambient air quality standards are exceeded either due to the proposed plant alone or when the plant contribution is added to the background air quality.
29. Fugitive dust protection or dust reduction technology for workers within 30 m of the plant active areas.
30. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
31. Air pollution control measures during charging of raw materials and during operation of the furnace shall be detailed.
32. Air Quality Impact Prediction based on CPCB/MoEF approved model(s) shall be presented.
33. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
34. An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.

Water Environment

The page contains two handwritten signatures in black ink. The signature on the left is a stylized, cursive 'G' followed by a horizontal line. The signature on the right is a more complex, cursive signature that appears to start with 'A' and ends with a long horizontal line.

35. Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
36. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
37. Ground water analysis at 8 locations with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
38. 'Permission' for the drawl of water should be obtained from concerned authorities. Water balance data must be provided.
39. Action plan for rainwater harvesting measures should be prepared and the same should be got duly approved from Ground Water Directorate, Government of Jharkhand .
40. Surface water quality at 8 locations must be ascertained.
41. If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
42. Pre-treatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.

Solid Waste Management

1. Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
2. Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included.
3. End use of solid waste/slag and its composition should be covered.
4. Toxicity should be assessed following standard leaching procedures particularly the Toxicity Characteristic Leachate Procedure (TCLP) test for the slag.

Safety and Health

43. Risk/Disaster Management needs to be provided.
44. Occupational Health:
 - a) Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
 - b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - c) Annual report of health status of workers with special reference to Occupational Health and Safety.
 - d) Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.

45. Corporate Environment Policy

- V. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

- VI. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms/ conditions? If so, it may be detailed in the EIA.
 - VII. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - VIII. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
- 46 Public hearing.

The following general points should be noted:

- I. Properly indexed, page numbered.
- II. Period/date of data collection should be clearly indicated. (non-monsoon)
- III. Authenticated English translation of all material in Regional languages should be provided.
- IV. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- V. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- VI. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- VII. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- VIII. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

It was decided that 'TORs' prescribed by the State level Environment Impact Assessment Authority (SEIAA) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation should be provided. The final EIA report shall be submitted to the SEIAA for obtaining environmental clearance.

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report.

3. Angara Graphite Mine of M/s Arunjay Narayan Sinha at Vill.-Angara, P.S-Panki, Dist.-Palamu, Jharkhand (6.28 Ha).

This is a Graphite Mine Project having a lease area of 6.28 Ha. The mining lease was existing mine w.e.f 12.09.1993 for a period of 20 years. The lessee applied for renewal of lease on 08.09.2012. PP had not obtained EC. PP has now applied for obtaining TOR's. As per Form I they have mentioned a proposed production figure of 12,028 tonnes of Graphite per year. The



expected life of mine has been indicated as 09 years. The mine lease area located at latitude 23° 58'05.2" N to 23° 58'19.2" N and longitude 84° 24'0.8" E to 84° 24'03.3" E.

The PP alongwith his Consultant M/s Greencindia Consulting Private Limited, NCR, Ghaziabad, UP made a presentation for grant of TOR. It was observed that this is a case of violation due to increase in production after 1994. Credible Action has to be initiated.

The indicated project cost is Rs 30 Lakhs and a provision of Rs 10.00 Lakhs will be kept for Environment management.

The above desired information have been submitted by PP.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held from 15 to 18 October 2014, the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

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

1. Year-wise production details since 1995 onwards should be given clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been violation of Environmental Protection Act 1986 and any increase in production after the EIA Notification, 1994 coming into force w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
3. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
4. All corner coordinates of the mine lease area superimposed on High Resolution Imagery/ top-sheet should be provided.
5. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
6. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
7. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
8. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.

separately for core and buffer zone should be furnished based on primary field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for Implementing the same should be made as part of the project cost.

22. Impact, if any, of change of land use should be given.
23. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Government.
24. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM/SPM particularly for free silica should be given.
25. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
26. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
27. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
28. Details of water conservation measures proposed to be adopted in the project should be given.
29. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
30. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
31. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.



32. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand.
33. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
34. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed of in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
35. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
36. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered.
37. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
38. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
39. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
40. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of preplacement medical examination and periodical medical examination schedules should be incorporated in the EMP.
41. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
42. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
43. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
44. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.



45. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
46. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

Besides the above, the below mentioned general points should also be followed:-

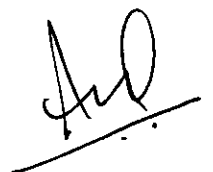
- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand, with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.II. process) will entail conducting the PH process again with the revised documentation.

The EIA report should also include

- i) Surface plan of the area indicating Contours of main topographic features, drainage and mining area,
- ii) Geological maps and sections and
- iii) Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

The prescribed TORs would be valid for a period of two years for submission of the EIA / EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010.

After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.



4. Existing project of M/S Super Smelters Limited at Addi Bunglow Road, Jhumri Telaiya, Dist.- Koderma, Jharkhand.

M /s Super Smelters Limited (PP) were granted TOR by SEIAA for the expansion of their project. The various units (existing and proposed) are mentioned below.

The existing as well as proposed units along with their capacities and products are as follows:

UNITS	CAPACITY	PRODUCT
EXISTING PLANT SCENARIO		
Induction Furnace, 4X 4 t	63,000 TPA	Billets
Rolling Mill	96,000 TPA	TMT
Producer Gas Plant	6,000 Nm ³ /hr	Producer Gas
PROPOSED PLANT		
Phase I		
Induction Furnace, 2X 12 t	110,000 TPA	Billets
Rolling Mill	100,000 TPA	TMT
Phase II		
Induction Furnace, 2X 12 t	110,000 TPA	Billets
Rolling Mill	100,000 TPA	TMT

PP had not obtained EC for the existing units as such this is a case of violation. National Green Tribunal (NGT) has passed an order on 12th Sept. asking PP to obtain EC for the existing units. Accordingly PP has applied for EC for the Rolling Mill = 300 TPD x 320 days = 96,000 TPA, Gasifier = 6,000 Nm³/hr (As per Form I). PP was asked to submit an undertaking stating facts about the project. PP has submitted the same.

M/s Super Smelters Limited (PP) alongwith their consultant, M/s Global Experts, Bhubaneswar gave a detailed presentation on the salient features of the units and proposed environmental protection measures to be undertaken along with the proposed TORs for preparation of EIA/EMP report. PP has already carried out Monitoring and Public Hearing for the proposed units. PP requested for using the data generated for preparing the EIA/EMP report and also waival of public hearing. The committee agreed to the requests.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held from 15 to 18 October 2014, the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

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

1. Executive summary of the project.
2. Photographs of the plant area.
3. A certified report of the status of compliance of the conditions stipulated in the environmental clearance and Consent to Operate for the existing operation of the project from JSPCB.
4. Recent monitoring report which shall include data on AAQ, stack emission data, water quality, solid waste etc. shall be submitted.
5. A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
6. Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10Kms radius area from proposed site. The same should be used for land used/land-cover mapping of the area.
7. Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing landuse/landcover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
8. A list of industries within 10 km radius of the plant area.
9. Details and classification of total land (identified and acquired) should be included.
10. Action plan for the green belt development plan in 33 % area should be included.
11. Ecological status (Terrestrial and Aquatic) is vital. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species and various issues addressed and included.
12. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing proceedings and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
13. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
14. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.

Process Related:

15. A line diagram / flow sheet for the process and EMP shall be submitted.
16. Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) green areas, water bodies and rivers/drainage passing through the project site should be included.
17. List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
18. Mass balance for the raw material and products should be included.

Air Environment

19. Site-specific micro-meteorological data like temperature, relative humidity, hourly wind speed and direction, rainfall etc.
20. Ambient air quality at monitoring should be carried out adequately as per NAAQS 2009.

21. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
22. Air pollution control measures during charging of raw materials into the Induction Furnace and during operation of the furnace shall be detailed.
23. Air Quality Impact Prediction based on CPCB/ MoEF approved model(s) shall be presented.
24. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
25. An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the MoEF vide G.S.R. 414(E) dated 30th May, 2008.

Water Environment

26. Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
27. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
28. Ground water analysis at 8 locations with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
29. 'Permission' for the drawl of water should be obtained from concerned authorities. Water balance data must be provided.
30. Action plan for rainwater harvesting measures should be prepared and the same should be got duly approved from Ground Water Directorate, Government of Jharkhand .
31. Surface water quality at 8 locations must be ascertained.
32. If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1;10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
33. Pretreatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.

Solid Waste Management

1. Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
2. Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included.
3. End use of solid waste/slag and its composition should be covered.
4. Toxicity should be assessed following standard leaching procedures particularly the Toxicity Characteristic Leachate Procedure (TCLP) test for the slag.

Safety and Health

34. Risk/Disaster Management needs to be provided.
35. Occupational Health:
 - a) Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.

- c) Annual report of health status of workers with special reference to Occupational Health and Safety.
- d) Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report.

After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

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

1. Purnadih – Sehra Graphite Mine & Beneficiation Unit at Vill.- Purnadih & Sehra, Tehsil- Satparwa, Distt.- Palamu, Jharkhand (47.4834 Ha)

This is a Graphite Mining Project and a case of 3rd renewal. This proposal is the case of violation. The mine is operating for last 40 years but so far, neither they have not taken the EC nor CTO from JSPCB. While considering the beneficiation plant which is very near to the river and the present status of Solid Waste Disposal as well as effluent disposal of the plant, the proposal cannot be considered for TOR without the site visit and also the status from the JSPCB. In this context, a letter to JSPCB regarding the present status of operations and the status of environment is to be sent for ascertaining the facts, before the EC is considered. The SEIAA may write a letter to JSPCB in this regard.

Once the clarifications are received, the proposal will be considered for TOR.

2. Quartzite Quarry at Futkadih of Shri Jitendra Kumar Jain at Vill.-Futkadih, P.S- Peterwar, Dist.- Lohardaga, Jharkhand. (0.255 Ha)

The PP submitted certificate from CO and DMO but PP was also asked to submit certificate from DFO.

Once the PP provides the certificate, SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

3. Stone Quarry at Tilabani of Shri Debdatta Maity at Vill.- Tilabani, P.S.- Chakuliya, Dist.- East Singhbhum, Jharkhand(1.198 Ha)

The PP submitted certificate from CO, DFO and DMO but the following additional information is also required to be submitted :-

1. Revised Pre Feasibility Report
2. Scheme of Rain Water Harvesting.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Green Belt developed in Mine area / other area.
5. Details of Flora / Fauna in and around the project site.
6. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the information, SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

4. Cluster Mines of (1) Juri Pahari Stone Mine of M/s Global Resources company at Vill.- Juri Pahari, P.S.- Ghatsilla, Dist.- East Singhbhum,

Jharkhand(2.83 Ha/ 7.00 Acres). (2) Sonaposh and Datbera Stone Mine of M/s Global Resources company. Vill.-Sonaposh and Datobera, P.S.- Ghatsilla, Dist.- East Singhbhum, Jharkhand.(7.40 Ha./ 18.29 Acres)

The unit has to submit wild life activities in 5 KM radius of Mine Lease area or submit a Scheme of Wild Life Conservation and Management Scheme.

Once the PP provides the clarification, SEAC will, after examining the same, will refer the matter to SEIAA for issuing TOR.

5. Kathwan Granite (Stone) Mine of M/s Ramesh Kumar at Vill.- Kathwan, Thana -Poraiya, Dist.- Godda, Jharkhand. (2.85 Ha)

PP has been asked to submit duly certified letter of Circle Officer regarding the distance of mines, Habitation, Education & Sub Health Centre.

6. Bikash Stone works of Raj Kumar Saha at Vill.- Bunda Bedo Badaghati, Tehsil- Pathna, Dist.- Shahibganj, Jharkhand(2.83 Ha).

The PP submitted certificate from CO, DFO and DMO but PP was also asked to submit following additional information :-

1. Certificate from DMO regarding previous production details.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Green Belt developed in Mine area / other area.
5. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the clarification, SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

7. Stone Mine of M/s Jai Maa Gauri Stone Works at Vill.- Lataki, Tehsil- Jamua, Dist.- Giridih, Jharkhand (1.173 Ha)

This is a Stone Mining Project for having an area of 1.173 Ha [Plot No- 5830 (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 2.79 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2,13,211 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	23,312 t
2 nd Year	:	23,404 t
3 rd Year	:	23,436 t
4 th Year	:	23,447 t
5 th Year	:	23,458 t

The daily production as per Form I is 78 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The certificate from DMO is not clear. PP was advised to obtain modified certificate from DMO stating clearly about the status of the mining area.

Once the PP provides the clarification, SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

8. Tirildih Stone Mine of M/s Kiran Const. & Infra. Pvt. Ltd at Vill.- Tirildih, Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand. (4.27 Ha)

This is a Stone Mining Project for having an area of 4.27 Ha [Plot No- 1226 (P)]. The committee noted that as per Form I it is a proposal for existing of mine for which PP is seeking EC. The lease was valid w.c.f. 29.02.2012 to 28.02.2017 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 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 55 Lakhs and a provision of Rs 2.70 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 32,97,605 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	3,29,441 t
2 nd Year	:	3,29,063 t
3 rd Year	:	3,30,116 t
4 th Year	:	3,29,786 t

The daily production as per Form I is 1099 tonnes.

PP has submitted certificate from CO, DMO & DMO. As per DMO's letter the mining lease area falls in two districts. PP was advised to obtain certificate from DMO of other districts as well. PP has submitted certificate from DMO of East Singhbhum district.

Once the PP provides the clarification, SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

9. Proposals related to Balu Ghats – River bed Sand Mining

1. Anidih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Anidih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (22.55 Ha).
2. Gadadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Gadadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.78 Ha).
3. Erkia Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Erkia, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (19.12 Ha).
4. Salsud Balu Ghat on Radu River (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Salsud, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (7.63 Ha).
5. Gomyadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Gomyadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (9.06 Ha).
6. Navadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Navadih, Tehsil-Khalari, Dist.- Ranchi, Jharkhand (5.47 Ha).
7. Biradih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Biradih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (15.85 Ha).
8. Dibadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Dibadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.03 Ha).
9. Hethburadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Hethburadih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (13.00 Ha).
10. Churgi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Churgi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha).
11. Somadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Somadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (17.26 Ha).
12. Edarmahatu Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Edarmahatu, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (12.15 Ha).
13. Kanchi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Kanchi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha).

Since the NGT is expected to take a decision in the matter shortly, the committee decided to wait for the final decision of the NGT.

D. PP was asked to furnish details in earlier meeting. PP was present but did not submit all desired information. The list of PP is as follows:-

1. Betla Graphite, Quartz & Felspar of M/s Parijat Mining Industries (I) Pvt Ltd
2. Chirodih Bauxite Mine of Sri Madan Mohan Prasad Singh
3. Narma Bauxite Mine of Sri Madan Mohan Prasad Singh


4. M/s Okhargara Stone Mines of Mr. Sunil Kumar Sharma
5. M/s Bhalki Quartzite Stone Mines of Mr. Varun Kumar
6. Jyoti Pahari Open Cast Kynite Project of M/s JSMDL Ltd.

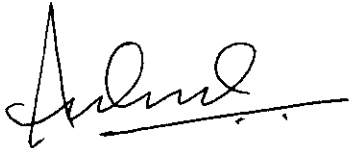
E. The following is the list of PP's who have requested for deferment of case in next meeting.

- a. Kolhaiya Stone Mine of Shri Arjun Prasad Gupta & Shri Arun Kumar Singh
- b. Bardag Stone Mine of Shri Praveen Kumar Agarwal
- c. Dandami Stone Mine of M/s Maa Stone Works
- d. Vindhwasni Stone Mine of Shri Mukesh Kumar Singh
- e. Rajabandh Stone Mine of M/s Shri Purnendu Chandra Pandey
- f. Rajbandh Stone Mine of M/s Mahadev Stone Products
- g. M/S OSD Coke Pvt Ltd (Unit 1)
- h. M/S OSD Coke Pvt Ltd (Unit 2)

The next meeting shall be held from 17th to 20th November 2014

The meeting concluded with thanks to all present.


(Mahendra Mahto)
Secretary


(A K Saxena)
Chairman