

Proceeding of 44th SEAC meeting held on 22nd and 23rd June, 2017 under the Chairmanship of Chairman, SEAC in Conference Hall of SEAC premise.

The 44th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 22nd and 23rd June, 2017 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

1. Shri K.P. Bhawsinka - Chairman
2. Dr. B.K. Tewary - Member
3. Shri R. N. Singh - Member
4. Dr. V.P. Sinha - Member
5. Dr. R.V Singh - Member
6. Shri U.P. Singh - Member
7. Shri Om Prakash, - Member Secretary

Various projects which were received by SEIAA after the previous SEAC meeting on 22nd and 23rd May, 2017 and forwarded to SEAC for their technical appraisal came up for discussions. Besides, 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 / recommendation were made during the Presentation (Project-wise), as under:-

A. Matter referred by SEIAA

The following projects were reexamined, in view of the minutes of the 48th SEIAA meeting dated- 12.06.2017.

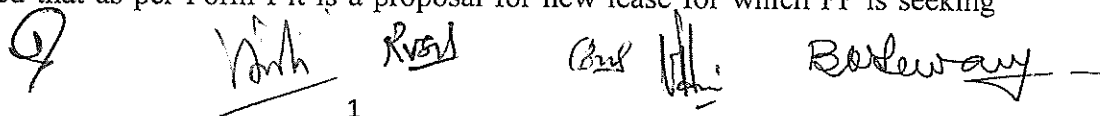
1. Majurahi Stone Deposit of M/s Maa Guru Construction at Village- Majurahi, Thana- Nawdiha Bazar, Dist.- Palamu, (5.868 Ha).

The recommendation of SEAC was send back by SEIAA on the ground of various informations like -

“The authority examined the recommendation made by SEAC. It was observed that the issues related to environment needs to be addressed properly in the EMP. The longitude/latitude of all pillars especially at turning points have not been marked. These are essential as per guidelines for the preparation of EMP. No mention of emission due to vehicular traffic is made in Form I. Also the dust suppression measures are not justifying and Environmental Monitoring Programme is not integrated in the EMP. The proposal may be reexamined thoroughly by the SEAC in the light of above observations”.

PP has submitted above mentioned documents.

This is a Stone Mining Project for having an area of 5.868 Ha [Khata No.- 06, Plot No.- 121]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking

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EC. Considering the fact that it is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs2.65Crore and a provision of Rs 3.77 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

| | | |
|---------------------------|---|-------------|
| Mineable Proved Reserve | : | 45,74,234 t |
| Mineable Probable Reserve | : | 11,480 t |

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

| | | |
|----------------------|---|------------|
| 1 st Year | : | 4,58,595 t |
| 2 nd Year | : | 4,58,542 t |
| 3 rd Year | : | 4,58,548 t |
| 4 th Year | : | 4,58,590 t |
| 5 th Year | : | 4,58,640 t |

The daily production as per Form I is 1529 tonnes.

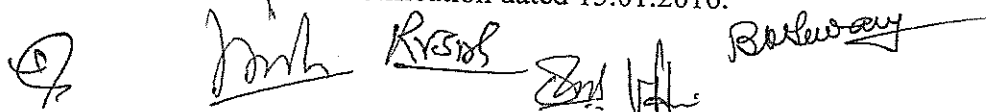
PP has submitted certificates from DMO (Letter No.- 2254, Dated- 06.12.16), DFO (Letter No.- 2790, Dated- 01.08.16) and CO (Letter No.- 120, Dated- 09.05.16).The informations was examined and found to be satisfactory.

Based on the presentation made and information provided to the Committee, it was decided that now since the PP has provided the information requested by SEIAA the proposal for Majurahi Stone Deposit of M/s Maa Guru Construction at Village- Majurahi, Thana- Nawdiha Bazar, Dist.- Palamu, (5.868 Ha) fulfils the documents specified by SEIAA and the proposal be send back to SEIAA recommending the proposal with annexed specific & general conditions as given in Annexure - I.

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

1. GanguparaBedo Stone Mine of Sri Mainul Ansari at Village- GanguparaBedo, Tehsil- Pathna, Dist.- Sahibganj, (2.025 Ha).

This is a Stone Mining Project for having an area of 2.025 Ha [Khata No. 11, Plot No.- 09 (P) &18 (P)]. The committee noted that as per Form I it is a proposal for existing of mine lease for which PP is seeking EC. The lease was valid w.e.f. 07.12.2007 for a period of 10 years. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.



The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs84.80Lakh and a provision of Rs5.90 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 7,31,962 t

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

| | | |
|----------------------|---|----------|
| 1 st Year | : | 75,163 t |
| 2 nd Year | : | 74,496 t |
| 3 rd Year | : | 75,114 t |
| 4 th Year | : | 75,033 t |
| 5 th Year | : | 75,055 t |

The daily production as per Form I is 250 tonnes.

PP has submitted certificates from DMO (Letter No.- 2850, Dated- 03.11.16), DFO (Letter No.- 1612, Dated- 05.11.16) and CO (Letter No.- 15, Dated- 01.07.16).The informations was examined and found to be satisfactory.

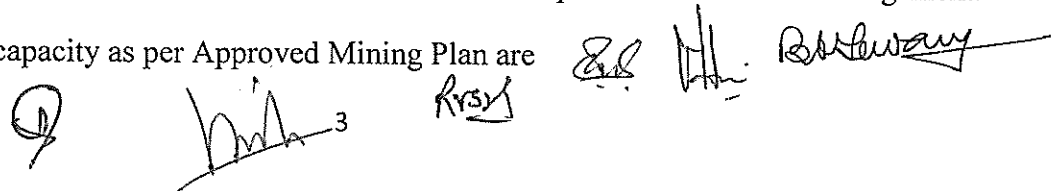
Based on the presentation made and information provided the Committee decided that the proposal for GanguparaBedo Stone Mine of Sri Mainul Ansari at Village- GanguparaBedo, Tehsil- Pathna, Dist.- Sahibganj, (2.025 Ha)be recommended for consideration of SEIAA subject to above mentioned observations for grant of EC. The various conditions for grant of EC are given in Annexure - I.

2. Idpe (GadaiBhitta) Stone Mine of Sri Ramesh Kumar Dokania at Village- Idpe (GadaiBhitta), P.S.- Ranga, Dist.- Sahibganj, (2.90385 Ha).

This is a Stone Mining Project for having an area of 2.90385 Ha [Khata No. 05, Plot No.- 07 (P) & Khata No. 08, Plot No.- 37 (P) & 39]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs1.34Crore and a provision of Rs 7.10 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

 Several handwritten signatures and initials are present below the text. One signature is clearly legible as 'Ramesh' with a '3' below it. Other signatures are less legible but appear to be official approvals.

Mineable Proved Reserve : 11,67,386 t

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

| | | |
|----------------------|---|------------|
| 1 st Year | : | 1,20,026 t |
| 2 nd Year | : | 1,20,227 t |
| 3 rd Year | : | 1,20,015 t |
| 4 th Year | : | 1,20,029 t |
| 5 th Year | : | 1,20,020 t |

The daily production as per Form I is 400 tonnes.

PP has submitted certificates from DMO (Letter No.- 2814, Dated- 31.10.16), DFO (Letter No.- 1027, Dated- 01.07.16) and CO (Letter No.- 26, Dated- 07.12.16). The information was examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Idpe (Gadai Bhatta) Stone Mine of Sri Ramesh Kumar Dokania at Village- Idpe (Gadai Bhatta), P.S.- Ranga, Dist.- Sahibganj, (2.90385 Ha) be recommended for consideration of SEIAA subject to above mentioned observations for grant of EC. The various conditions for grant of EC are given in Annexure - II.

3. Matku Quartzite Deposit of M/s Alliance Infratech Pvt Ltd at Village- Matku, Thana- Ghatsila, Dist.- East Singhbhum, (7.28 Ha).

This is a Stone Mining Project for having an area of 7.28 Ha [Khata No. 482, Plot No.- 520 (P)]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs20.64Lakh and a provision of Rs 16.74 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

| | | |
|---------------------------|---|-------------|
| Mineable Proved Reserve | : | 18,82,374 t |
| Mineable Probable Reserve | : | 3,57,181 t |

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

| | | |
|----------------------|---|------------|
| 1 st Year | : | 2,23,956 t |
| 2 nd Year | : | 2,23,956 t |
| 3 rd Year | : | 2,23,956 t |
| 4 th Year | : | 2,23,954 t |
| 5 th Year | : | 2,23,956 t |

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The daily production as per Form I is 747 tonnes.

PP has submitted certificates from DMO (Letter No.-39, Dated- 07.01.17), DFO (Letter No.- 330, Dated- 15.05.17) and CO (Letter No.- 755, Dated- 29.09.16).The informations was examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Matku Quartzite Deposit of M/s Alliance Infratech Pvt Ltd at Village- Matku, Thana- Ghatsila, Dist.- East Singhbhum, (7.28 Ha)be recommended for consideration of SEIAA subject to above mentioned observations for grant of EC. The various conditions for grant of EC are given in Annexure - II.

4. Kairasai Stone Deposit of M/s Vision & Vision Pvt Ltd at Village- Kairasai, P.S.- Ghatsila, Dist.- East Singhbhum, (6.92 Ha).

This is a Stone Mining Project for having an area of 6.92 Ha [Khata No. 130, Plot No.- 58, 120 & 183 &Khata No. 101, Plot No.- 93]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs62.30Lakh and a provision of Rs 13.18 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

| | | |
|---------------------------|---|------------|
| Mineable Proved Reserve | : | 4,49,142 t |
| Mineable Probable Reserve | : | 2,30,550 t |

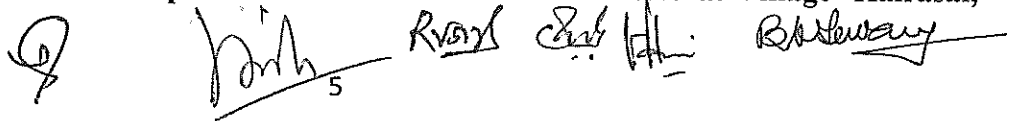
Year-wise Production as per Approved Mining Plan Report for five years is as follows

| | | |
|----------------------|---|----------|
| 1 st Year | : | 69,974 t |
| 2 nd Year | : | 74,131 t |
| 3 rd Year | : | 80,001 t |
| 4 th Year | : | 85,005 t |
| 5 th Year | : | 89,999 t |

The daily production as per Form I is 300 tonnes.

PP has submitted certificates from DMO (Letter No.-175, Dated- 20.01.17), DFO (Letter No.- 380, Dated- 07.06.17) and CO (Letter No.- 365, Dated- 09.05.16).The informations was examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Kairasai Stone Deposit of M/s Vision & Vision Pvt Ltd at Village- Kairasai,



P.S.- Ghatsila, Dist.- East Singhbhum, (6.92 Ha) be recommended for consideration of SEIAA subject to above mentioned observations for grant of EC. The various conditions for grant of EC are given in Annexure - II.

5. Pusre & Roro Stone Mine of M/s Jai Bharat Construction Company at Village- Pusre & Roro, P.O. & P.S. - Taljhari, Dist.- Sahibganj, (4.98 Ha).

This is a Stone Mining Project for having an area of 4.98 Ha [Pusre Khata No. 29, Plot No.- 74 (P), Khata No. 17, Plot No.- 79, Khata No. 27, Plot No.- 113 (P), 116 (P) & 77, Khata No. 06, Plot No.- 75, 76, 78 & 81 (P), Roro Khata No. 03, Plot No.- 03 (P), 04 & 05, Khata No. 04, Plot No.- 06 (P), Khata No. 05, Plot No.- 02]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF & CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs 1.43 Crore and a provision of Rs 7.35 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 49,60,089 t

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

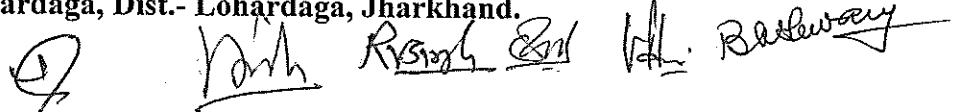
| | | |
|----------------------|---|------------|
| 1 st Year | : | 4,80,001 t |
| 2 nd Year | : | 4,80,060 t |
| 3 rd Year | : | 4,80,011 t |
| 4 th Year | : | 4,80,114 t |
| 5 th Year | : | 4,80,025 t |

The daily production as per Form I is 1600 tonnes.

PP has submitted certificates from DMO (Letter No.-117, Dated- 19.01.17), DFO (Letter No.- 86, Dated- 17.01.17) and CO (Letter No.- 01, Dated- 19.01.17). The information was examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Pusre & Roro Stone Mine of M/s Jai Bharat Construction Company at Village- Pusre & Roro, P.O. & P.S. - Taljhari, Dist.- Sahibganj (4.98 Ha) be recommended for consideration of SEIAA subject to above mentioned observations for grant of EC. The various conditions for grant of EC are given in Annexure - II.

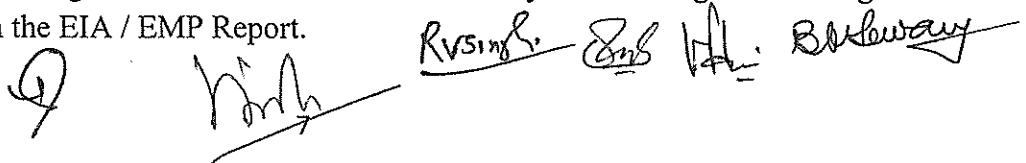
6. Common Biomedical Treatment Facility of M/s Medicare Environmental Management Pvt Ltd at Village- Lohardaga, Dist.- Lohardaga, Jharkhand.



The salient features of the Common Biomedical Waste Treatment Facility are as follows:

| | |
|--------------------------------|--|
| Project Title | Proposed Common Bio-Medical Waste Treatment Facility at Lohardaga Industrial Estate, Lohardaga (D), Jharkhand. |
| Consultant | Ramky Enviro Engineers Ltd, Hyderabad |
| Proponent | M/s Medicare Environmental Management Private Ltd, Gurgaon |
| Project Cost | Rs.10 Cr |
| Land Area | 1 acre |
| Land Allotment by | Ranchi Industrial Area Development Authority vide letter no: 1195 Dated 26 th August 2015 |
| Coverage Area | Ranchi, Gumla, Simdega, Latehar, Daltonganj, Khunti |
| Scope of work | Collection, Transportation, Treatment & Disposal of Bio-medical Waste |
| Equipment | Incinerator (Capacity 200 kg / hr) followed by venture, Scrubber, 30 Mt Height Chimney, Effluent Treatment Facility, Autoclave 330 ltr / batch), Shredder. |
| Capacity of Facility | Starting from 15000 beds to 25000 beds |
| Waste Handling Capacity | 3 to 5 ton / days |
| Water consumption | 20 KLD / day |
| Waste Water Generation | 15 KLD to be treated within ETP and zero discharge total recycling |
| Power | 0.079MW (79.39KW) fetched by Jharkhand State Electricity Board |
| Emergency Backup DG | 100 KVA DG is maintained with optimal usage by using a High Sulfur Diesel with a capacity of 100 KVA |
| Disposal of ETP Sludge and Ash | To the nearest TSDF upcoming at Auto Cluster, Jamshedpur, Jharkhand |

The project authorities along with their consultant M/s Ramky Enviro Engineers Ltd gave a detailed presentation on the EIA / EMP Report.



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EC may be issued with conditions to satisfied by Proponent, "Common Bio-Medical Waste Treatment Rule, 2016, MoEF & CC, New Delhi GSR 343 (E), dated – 28.03.16. Proponent will also satisfied the guidelines issued by CPCB / SPCB for Common Bio-Medical Waste Treatment Facilities.

Based on the presentation made and information provided the Committee decided that the proposal for the Common Biomedical Treatment Facility of M/s Medicare Environmental Management Pvt Ltd at Village- Lohardaga, Dist.- Lohardaga, Jharkhand be recommended for consideration of SEIAA for grant of EC (Conditions in Annexure III)

C. Projects considered for recommendation to SEIAA for consideration of grant of ToR.

1. Proposed Bulk LPG Storage & Bottling Plant of M/s Bharat Petroleum Corporation Limited at Bokaro Industrial Area, Village- Maraphari & Gorabali, Tehsil- Chas, Dist.- Bokaro, Jharkhand.

The case is pertaining to storage and bottling of LPG hence is listed as SN 6 (b) of EIA Notification 2006 and is required to obtain prior EC under the provisions of EIA Notification. The capacity is proposed bulk LPG storage 3 x 300 MT and the LPG throughput of 44 TMTPA through 1x24 LPG Filling Station / Carousels. LPG will be pumped from storage bullets to filling shed where cylinders will be filled prior to dispatch through road. LPG Bottling Plant will operate strictly as storage & Bottling facility for LPG into 14.2 kg, 19 kg cylinders. No by-products / additional products will be generated / manufactured during the operations. The plant is proposed at Bokaro Industrial Area Development Authority (BIADA), Village- Maraphari & Gorabali, Tehsil / Circle- Chas, Dist.-Bokaro, Jharkhand which is located at a distance of 10 Km from Bokaro Railway Station. Bokaro Airport is at a distance of 4 Km. The project cost is Rs 100 Crores.

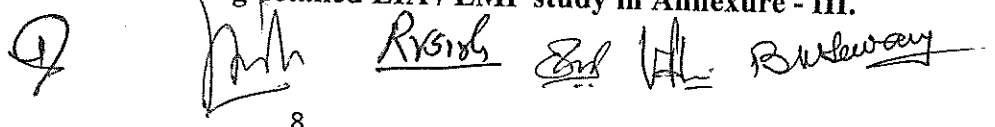
Presentation for ToR was made on 23.12.16. A number of queries were made. Replies have been submitted on 16.06.17. The presentation the replies have been given today as a priority.

During presentation the proponent admitted that a village lies within 100 meters of the proposed plant besides, a food park is situated adjacent to this site.

The project authorities along with their consultant M/s ABC Techno Labs India Pvt Ltd, Chennai 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.

The Project Proponent has informed that since the proposed plant will be located in the industrial area, hence public hearing is not required.

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 22nd and 23rd June, 2017 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study in Annexure - III.



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

1. Dindli Sand Mining Project on Kharkhai River of M/s Amit Trading Corporation at Village- Dindli, Thana- Adityapur, Dist.- SaraikelaKharsawan, (6.07 Ha).

This is a Sand Mining Project for having an area of 6.07 Ha [Khata No.-308, Plot No.- 01 (P) & 1472 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.-2613, dated- 18.11.2016 for which PP is seeking EC. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016. The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs19.00Lakh and a provision of Rs2.79 Lakhs will be kept for Environment management.

The proposed estimated mineable reserve is 2,16,495 tonne and annual production capacity as per Form I has been indicated as 1,73,195 tonne per annum.

PP has submitted certificates from CO (Letter No.-669, dated- 24/03/17), DFO (Letter No.- 3388, dated- 08/12/16) and DMO (Letter No.- 546, dated- 29/03/17). PP was asked to submit an Affidavit that there is no intake well, breeding point and bridge within 500 m of mine lease.

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

2. Bankuchia Stone Deposit of M/s K.K. Builders Pvt Ltd at Village- Bankuchia, Thana- Patamda, Dist.- East Singhbhum, (11.74 Ha) .

This is a Stone Mining Project for having an area of 11.74 Ha [Khata No. 409, Plot No.- 4163 (P)]. The committee noted that as per Form I it is a proposal for new lease for which PP is seeking EC. It is B2 Category of Project - as per MoEF& CC Notification dated 15.01.2016.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The indicated project cost is Rs1.80Crore and a provision of Rs 4.20 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

| | | |
|---------------------------|---|-------------|
| Mineable Proved Reserve | : | 78,38,749 t |
| Mineable Probable Reserve | : | 7,07,365 t |

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

1st Year

8,54,717 t

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| | | |
|----------------------|---|------------|
| 2 nd Year | : | 8,54,514 t |
| 3 rd Year | : | 8,54,421 t |
| 4 th Year | : | 8,54,755 t |
| 5 th Year | : | 8,54,581 t |

The daily production as per Form I is 2849 tonnes.

PP has submitted certificates from DMO (Letter No.-496, Dated- 03.03.17), DFO (Letter No.-3925, Dated- 19.11.15) and CO (Letter No.- 462, Dated- 04.09.15).The informations was examined and found that DFO letter needs clarification regarding whether the proposed lease boundary is beyond 250 meters from notified forest or not.

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

3. Dungri Sand Lease Area, Dhanbad of M/s Tata Steel Limited at Mouza- Dungri, Tehsil-Dhanbad, Dist.- Dhanbad, Jharkhand (24.127 Ha).

As per the Office Memorandum No.- J-11013/41/2006-IA-II (I) (part) dated- 22nd August, 2014 of MoEF :

“Instances have also come to the notice of this Ministry wherein, though the EIA/ EMP report is submitted by the proponent within the validity period of ToRs, the case remains pending for want of additional information from the proponent, State Government, etc., as sought by the EAC / Ministry. This Ministry has already decided vide OM No. J-11013/5/2009-IA-II (part), dated 30.10.2012 that such cases will be delisted in case such information is not received within six months.”

As such this case is recommended to be delisted.

Hence the file to be transferred to SEIAA for needful.

4. Tetangabad Sand Lease of M/S Tata Steel Limited at Mouza- Tetangabad, Tehsil+Dist.- Dhanbad Jharkhand. (34.66 Ha).

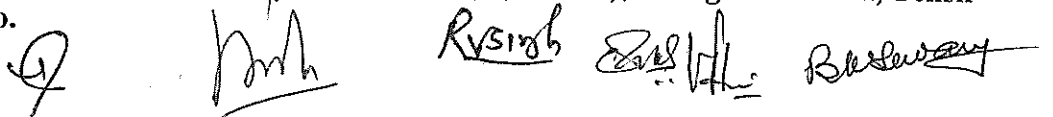
As per the Office Memorandum No.- J-11013/41/2006-IA-II (I) (part) dated- 22nd August, 2014 of MoEF :

“Instances have also come to the notice of this Ministry wherein, though the EIA/ EMP report is submitted by the proponent within the validity period of ToRs, the case remains pending for want of additional information from the proponent, State Government, etc., as sought by the EAC / Ministry. This Ministry has already decided vide OM No. J-11013/5/2009-IA-II (part), dated 30.10.2012 that such cases will be delisted in case such information is not received within six months.”

As such this case is recommended to be delisted.

Hence the file to be transferred to SEIAA for needful.

5. Proposed 25,200 TPA Crude Coal Tar Distillation unit of M/s Vedang Hydrocarbon Pvt Ltd at Bokaro Industrial Area Development Authority (BIADA), Village- Gorabail, Tehsil-Chas, Dist.- Bokaro.



PP was asked to submit additional information:-

1. On toposheet (1:50,000 scale) to specify the location of habitation and other environment sensitive features.
2. Details of Raw Material and its chemical composition.
3. It was also decided that two member committee of SEAC Shri S. P. Srivastava and Dr. Ran Vijay Singh shall visit the field and submit their report to the committee.

The proponent agreed to submit these within a week only.

6. City Centre Project of M/s Forum Infrastructure Pvt Ltd at Village- Asangi, Thana- Saraikela, Dist.- Saraikela Kharsawan, Adityapur.

PP was not present.

7. Futberiya Sand Mine Project on Ajay River of M/s Sparkal World Pvt Ltd at Village- Futberiya, P.O. & P.S.- Nala, Dist.- Jamtara, (18.26 Ha).

During the presentation PP informs and submitted in writing that:

“We are going to withdraw PPT presentation of the project due to some plot number is not matching in report of DFO & CO.

So, I am requesting you to give a new date of presentation, we will present it with updated data.”

The Committee requests SEIAA to scrutinize the submitted documents before forwarding to SEAC for presentation.

8. Stone Mines & Crusher of M/s Shri Vinayak Construction at Village- Rewaratu, Tehsil- Satbarwa, Dist.- Palamu, (9.50 Ha).

PP was not present.

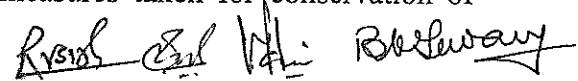
E. Regarding Discrepancies in Mine Plans of Minor Minerals

The Principal Secretary, Department of Industry, Mines and Geology, Govt. of Jharkhand may kindly be informed that “while evaluation of Environmental Clearance proposals of Minor Minerals specially stone and sand mines, it has been observed that majority of approved mine plans are not properly prepared, but are approved by the authorities.”The concerned authorities kindly be requested to see that these mine plans should be prepared in accordance to the guidelines given by Indian Bureau of Mines or the State as applicable, it is followed.

In this situation, SEAC is finding difficulties for recommendation of such mining projects for Environmental Clearance.

The general discrepancies as observed, in such mine plan includes:

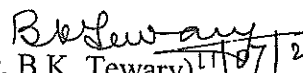
1. Rock type and nature of occurrence not described.
2. Resource/Reserves are not properly evaluated as per UNFC guidelines.
3. Sand replenishment calculation in mining of sand, measures taken for conservation of riparian flora & fauna and vertical river bed sections.

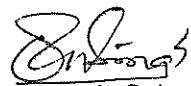



F. Mine Plan of –

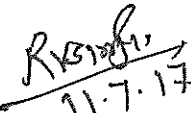
Sl. No. C (6) was prepared by Sri R.N. Singh before November, 2016 and he did not participate in the appraisal of this project.

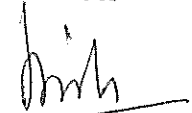
The meeting concluded with thanks to all present.



(Dr. B.K. Tewary) 11/07/2017
Member


(Dr. R. N. Singh) 11/07/17
Member


(Dr. V.P. Sinha) 11/07/17
Member


(Dr. R. V. Singh) 11.7.17
Member

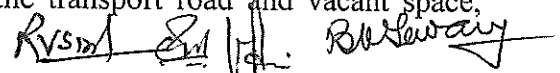
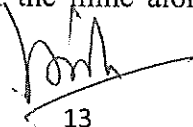

(U.P. Singh)
Member


(Om Prakash) 11.07.17
Member Secretary

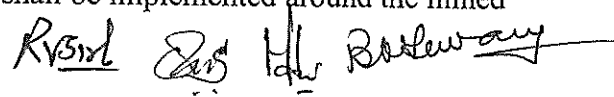
(K.P. Bhawsinka)
Chairman

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.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to ground above water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per 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 approved size to contain silt & water its location shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. For which a periodical report shall be sent. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
12. Greenbelt of approved width shall be developed all along the length of mine lease area and haul roads. The Project proponent shall do adequate no 50 bamboo gabion plantation each year and maintain it for the life of the mine along the transport road and vacant space.



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

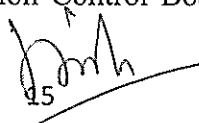


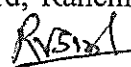
25. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
26. The project proponent shall obtain Consent to establish and Consent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

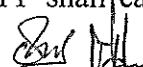
B. General conditions

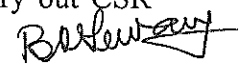
1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum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




15





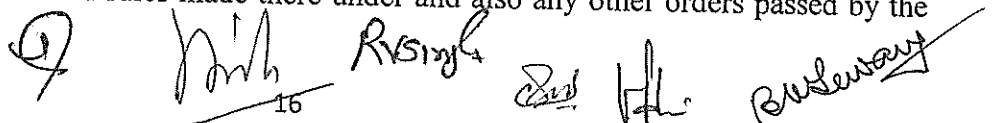


activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.

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 SEIAA / JSPCB and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded will be valid for the period of renewal of lease for the mine. The PP will not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the

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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.



A. Specific Conditions

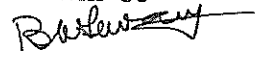
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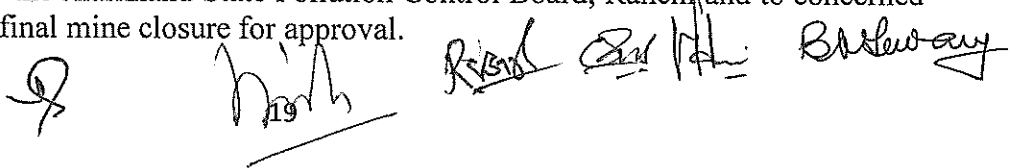








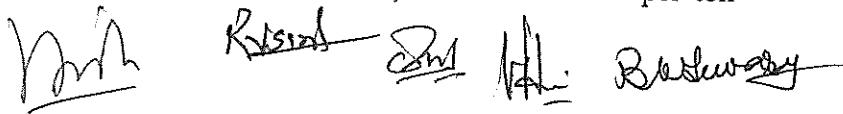
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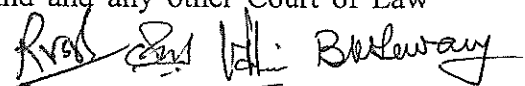
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17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded will be valid for the period of grant of lease for the mine. The PP will not increase production rate and alter lease area during the validity of Environmental Clearance.
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4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.







5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Dm Rosh San Al: Budway

1. Executive Summary of the project.

2. Introduction

- i. Details of the EIA Consultant including NABET accreditation.
- ii. Information about the project proponent.
- iii. Importance and benefits of the project

3. Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities.
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion / modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.

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- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

5. Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be

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- based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/ MoEF & CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
 - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - xi. Socio-economic status of the study area.

7. Impact and Environmental Management Plan:

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyer- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards. Measures for fugitive emission control
- vi. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization,


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- recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- vii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - viii. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - ix. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - x. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xi. Action plan for post-project environmental monitoring shall be submitted.
 - xii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. 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 above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of 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.
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9. Corporate Environment Policy

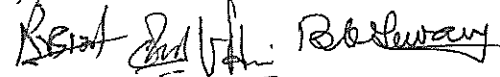
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental 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.

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- 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 shall be detailed in the EIA report.
10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11. Enterprise Social Commitment (ESC)**
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. 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, details thereof and compliance/ATR to the notice(s) and present status of the case.
13. A tabular chart with index for point wise compliance of above TOR.
14. Beside 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 LPG Bottling projects as prescribed by the Ministry shall also be filled and submitted.
- f) All statutory clearances obtained for the project shall be included in the EIA report.
- 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.
15. 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.
16. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M), dated 12.01.2017.

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A. 1 SPECIFIC CONDITION:

1. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Ramky Enviro Engineers Limited was submitted by project proponent vide Ref no. MEMPL/CBWTF/LOH/06122016/02, dated – 21/12/2016 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.
2. The unit shall strictly comply with the CPCB guidelines for setting up the Common Bio-Medical Waste Treatment Facility. [CBWTF]
3. Proponent shall strictly comply the design criteria for incinerator, autoclave and shredder as per the CPCB guidelines.
4. The unit shall strictly setup the dry technology system.
5. The unit shall strictly ensure mercury waste management at health care facility as per the CPCB guidelines.
6. The unit shall establish Standard Operating Procedure for waste collection, handling, transportation, treatment and disposal as per Biomedical Waste Management Rules, 2016.
7. Zero Liquid Discharge (ZLD) status shall be maintained all the time.
8. There shall be no drainage connections from the premises.

A. 2 CONSTRUCTION PHASE:

9. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
10. Project-proponent shall ensure that surrounding environment shall not be affected due to construction activity.
11. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
12. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
13. First Aid Box shall be made readily available in adequate quantity at all the times.
14. The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1996 and Jharkhand rules made there under and their subsequent amendments. Local byelaws of concern authority shall be complied in letter and spirit.
15. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.

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16. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
17. Safe disposal of sewage and municipal solid wastes generated during the construction phase shall be ensured.
18. All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.
19. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighboring communities.
20. Project proponent shall prefer use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.
21. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to all surroundings.

A. 3 OPERATION PHASE:

22. Consent to Operate shall be obtained from JSPCB under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 before operation, failing which the Environmental Clearance herein shall be deemed to be withdrawn.
23. Authorization from Jharkhand State Pollution Control Board shall be obtained as applicable under Bio-Medical Waste Management Rules, 2016.
24. The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016.
25. Incinerated ash, used oil, sludge salt, treated biomedical waste and ETP Sludge should be disposed in accordance with BMW Rules, 2016.
26. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
27. Guidelines published the Central Pollution Control Board from time to time for Common Bio Medical Waste Treatment published shall be referred for implementation.
28. There should not be any spillage from the transportation Vehicles.
29. The project proponent will set up separate Environmental Management Cell for effective implementation of stipulated environmental safeguards under the supervision of Senior Executive.

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30. All the recommendations of EMP shall be strictly complied.
31. The environmental safeguards containing the EIA report shall be implemented in letter & spirit.
32. Necessary provision shall be made for firefighting facilities within the complex.
33. Treated flue gas emissions discharged through stack to atmosphere shall always be less than specific emission' standards.
34. Project Proponent shall ensure regular operation and maintenance of the ETP and printed logbook shall be maintained.
35. All the pipelines carrying water/ waste water should be distinguished using colour coding on raw water pipes and reuse lines of treated water.
36. Utilization of Diesel power generating sets is subject to power failure condition only. The DG sets proposed as a source of power back up during operation phase should be of enclosed type, low sulphur diesel run and conform to rules made under the Environment (Protection) Act, 1986. The DG sets should be subjected to periodic noise and stack monitoring.
37. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
38. Energy Conservation measures such as LEDs light for common lighting of areas, signage etc should be adopted.
39. The unit shall develop 33% plot area as a green belt within premises as per the CPCB guidelines.

A. 4 WATER:

40. Total water requirement for the project shall not exceed 20 KL/day and wastewater generation would be around 15 KLD, the wastewater generated will be treated in ETP.
41. State Ground Water Board / Central Ground Water Board permission should be taken before water uses as per project requirement.
42. Waste water generation from floor washing, vehicle washing and Autoclaving (4 L/day) shall be treated in proposed ETP. (Cap. 15 KL/Day).
43. Entire quantity of treated waste water shall be reused for industrial purpose within the premises after conforming the JSPCB norms.
44. The unit shall provide adequate effluent treatment plant (ETP) comprises of Primary, tertiary treatment plants and it shall be operated regularly and efficiently so as to ensure reuse for quenching process.
45. Separate energy meter shall be provided at ETP. A proper operation logbook of the ETP containing records of quantities and qualities of treated effluent.
46. The domestic wastewater generation shall not exceed 2.4 KL/day for proposed project and it shall be disposed of into soak pit system.

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47. The Zero wastewater discharge condition to be achieved with utilizing treated effluent for lime slurry preparation for spraying in reactor for quenching process as well as floor and vehicle washing.
48. The project proponent shall provide electromagnetic flow meter at the inlet & outlet of the water supply, Inlet & outlet of the ETP and shall maintain a record of readings of each such meter on daily basis.
49. The quantity of fresh water usage and water recycling shall be monitored & maintained so that water balance as projected by the project proponent. The record shall be submitted to the JSPCB, SEIAA & Regional Office, MoEF & CC along with six monthly monitoring reports.

A. 5 AIR:

50. Regular monitoring of ground level concentration of PM10, PM2.5, NOx and VOC shall be carried out at the site and downwind direction and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the CPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately.
51. Proponent shall strictly follow the odour control measures as suggested in environmental management plan.
52. Proponent shall strictly follow the Environmental Monitoring Program [EMP] for Ambient Air Quality Monitoring (AAQM).
53. Treated flue gas emissions discharged through stack to atmosphere shall always be less than CPCB stipulated emission standards.
54. DG sets should be maintained as per the norms prescribed by Govt. of Jharkhand.
55. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
56. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.

A. 6 SOLID / HAZARDOUS WASTE

57. The Company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as may be amended from time to time. Authorization of the JSPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
58. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
59. Incinerator Ash, ETP sludge & salt sludge (From reactor) shall be disposed off at the nearby common TSDF.

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60. Treated Biomedical plastic waste shall be sold out to JSPCB authorized recycler only.
61. Used Oil shall be either reused for lubrication in plant machineries or sold out to registered recyclers,
62. Discarded container / bags shall be either reused or sold only to the authorized recyclers.
63. Treated glass waste shall be sold out to JSPCB authorized recycler only.
64. Sharp waste shall be disposed through in-house designated concrete sharp pit and disposal to sanitary landfill.
65. The unit shall obtain necessary permission from the nearby TSDF site.
66. Trucks / Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
67. The design of the Trucks/tankers shall be such that there is no spillage during transportation
68. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
69. Management of fly ash (If any) shall be as per the Fly ash Notification, 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

A. 7 SAFETY:

70. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Factories Rules of the State of Jharkhand.
71. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
72. Main entry and exit shall be separate and clearly marked in the facility.
73. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
74. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
75. All necessary precautionary measures shall be taken to avoid any kind of accident during loading, unloading and transportation of biomedical waste.
76. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
77. Only flame proof electrical fittings shall be provided in the plant premises.

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78. All the waste storage room shall be marked with colour coding as per the CPCB guidelines time to time.
79. Proponent shall tie up with nearby health care facility for any emergency cases.
80. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
81. First Aid Box in the unit shall be made readily available in adequate quantity.
82. Training shall be imparted to all the workers on safety and health aspects of biomedical waste handling.
83. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
84. Transportation of biomedical waste shall be done as per the provisions of the Motor Vehicle Act & Rules.
85. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
- A. 8 NOISE:**
86. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
- A. 9 GREEN BELT AND OTHER PLANTATION:**
87. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in JIDC estate or any other open areas in consultation with the JIDC / JSPCB and submit an action plan of plantation for next three years to the JSPCB.
88. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.
- A. 10 OTHER CONDITIONS:**
89. Rain water recharging of surface as well as rooftop runoff shall be undertaken as per the guidelines / parameter of the State Ground Water Board / Central Ground Water Board and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
90. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or JIDC or JSPCB or any such authority created for this purpose by the Govt. I JIDC.

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91. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
92. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to .
93. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIM or any other competent authority for the purpose for the environmental protection and management.
94. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
95. The project authorities must strictly adhere to the stipulations made by the Jharkhand Pollution Control Board (JSPCB), State Government and any statutory authority.
96. During biomedical waste unloading there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic waste water or storm water.
97. Pucca flooring impervious layer shall be provided in the work areas, biomedical waste storage areas and chemical handling areas to minimize soil contamination.
98. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority
99. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
100. The project proponent shall comply all the conditions mentioned in “ The Companies (Corporate Social Responsibility Policy) Rules, 2014” and its amendments from time to time in a letter and spirit.
101. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
102. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as JSPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
103. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the JSPCB and may also be seen at the

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