

MINUTES OF THE 70TH MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 29TH & 30TH APRIL, 2019

The 70th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 29th & 30th April, 2019 under the Chairmanship of Sh. K.P. Bhawsinka in the Conference Room at SEAC, Ranchi.

The following members were present :

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

SEIAA forwarded various projects to the SEAC for the technical appraisal after the last SEAC meeting held on 01-03 April, 2019. These projects have been put up for discussions. Besides, these Projects, wherein PP's were asked to provide requisite informations / clarifications in SEAC earlier meeting, were also considered for appraisal. The Project Proponents have been asked to make technical presentation for the appraisal of their projects before the committee.

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

Day 1 : April 29, 2019 [Monday]

A. Discussion on matter related to :

i. Minutes of the 69th Meeting of SEIAA, Jharkhand held on 23.03.19

- a. Kajra Stone Mine of M/s Vinod Kumar Jain (Partner : Sri Mukesh Kumar Jain & others), Vill. : Kajra, Kamdara, Gumla (2.02 ha).
- b. Kumhari Stone Mine M/s Vinod Kumar Jain (Partner : Sri Mukesh Kumar Jain & others), Vill. : Kumhari, Basia, Gumla (2.02 ha).

SEAC admits that inadvertently the decision of recommending the aforesaid 02 projects viz. – (i) Kajra & (ii) Kumhari were taken in its 68th meeting held on 14-15.03.2019.

Thus, in the light of SEIAA's observations dated 23.03.19, the committee agreed unanimously to withdraw the recommendations of the above proposals.

Besides, it is pertinent to note that the LOI has been issued by the D.C, Gumla District vide his letter no. 1296 & no. 1297 both dated 27.12.2018. However, the said project areas are not incorporated in the DSR of Gumla district issued by DEIAA, vide DMO letter no. 407 dated 16.04.2019. The clarification from DC, Gumla may be sought for the discrepancy if any.

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ii. Minutes of the 70th Meeting of SEIAA, Jharkhand held on 10.04.19

a. DSR related matter

As per the notification of MoEF&CC dt. 25.07.2018, the DSR shall form the basis for appraisal of the projects for recommendation / grant of EC.

In the light of Hon'ble NGT order dt. 13.09.2018 & dt. 11.12.2018, read with MoEF&CC dt. 12.12.2018, DSR is mandatory for appraisal of the minor mineral's mining projects. Accordingly, SEIAA taking note of the above, is requested not to forward any project for mining of minor minerals, including sand mining projects for appraisal to the SEAC.

In view of Hon'ble NGT and MoEF&CC orders referred above, it may please be noted that presently the DEIAA / DEAC of districts have stopped functioning. Thus, SEIAA is requested to resolve the mandatory DSR issue in coordination with Deptt. of Mines & Geology, Govt. of Jharkhand and other stockholders.

b. Bankuchia Stone Deposit of M/s K.K. Builders Pvt. Ltd. at Vill. : Bankuchia, Patamda, E. Singhbhum (11.74 ha).

SEAC is not the competent authority to ascertain the minimum distance of the project sites from the boundary of the notified forest.

Hence, it is advisable that the discrepancy in the minimum distance (whether 250 & 255 meter) should be got verified / ascertained from concerned senior forest officers like Regional Chief Conservator of Forest / Conservator of Forest.

B. Consideration of Proposals

i. Construction of Government Medical College and Hospital of M/s Jharkhand State Building Construction Corporation Ltd., Vill. : Dighi, Tehsil : Dumka, Dist. : Dumka.

The proponent's representative has submitted a request letter dated 29.04.19 mentioning that Revised Form-I & Form-IA have to be submit, for which 15 days time would allowed.

Besides, hard copy & soft copy of the documents related to this proposal have not been received by the members of SEAC. The committee requested Member Secretary, SEAC to ensure the receipt of all complete documents to all members before future presentation. Appraisal process would be done subsequent.

In view of the above, the committee deferred the presentation & will examine the case, on later dates, as soon as the PP submits his complete Revised documents.

C. Regarding review of EC granted earlier, without getting proper clearance from NBWL / SBWL. The list is as under :

The reappraisal of all these projects named below have been necessitated in the light of SEIAA memo no. 338, dated 29.12.18 & letter no. 104, dt. 01.03.2019.

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The MS, SEAC intimated that the 40 projects of minor minerals forwarded by SEIAA vide memo no. 338, dated 29.12.18 & letter no. 104, dt. 01.03.2019 for reappraisal. All the PPs of the said projects have been requested to submit DFO certificate (reg. distance of forest / National Park / Sanctuary etc.) and C.O. certificate (reg. whether the class of land is Jungle-Jhari or not) vide SEAC letter no. 60 to 99, dt. 24.04.2019 failing which SEAC would take within one month from the issue of letters / recommended appropriate legal action as per the prevalent Act.

The SEAC unanimously approved the said action / letters of MS. SEAC.

In view of the above issues, all the proposals listed below were appraised -

i. M/s Jai Mata Di Stone of Sri Ram Kumar Pandit, Vill. : Domchanch, Dist. : Koderma (0.37 Ha).

The EC was granted by SEIAA vide letter no. 320, dated 31.03.2014. The proposal was forwarded to SEAC by SEIAA on 05.03.19 & accordingly CTO /CTE lease granted & extended also.

DFO, Koderma vide memo no. 1764, dated 29.06.13 certified that the distance of forest is 260 m from project site. As per the 61st MOM of SEIAA held on 08-09.10.2018 twelve projects out of 40 project renewed by SEAC for EC awarded earlier on the basis of draft mining plan & SEAC meeting held on 24-26 September, 2018, twelve project forwarded to SEIAA, where anomalies in draft & approved mining plan were identified.

During the presentation, the PP has submitted the DMO certificate of production of different years, which is observed to be much below the approved mining plan & EC.

PP was asked to submit the DFO's certificate regarding distance of National Park / Bio-Diversity / Sanctuary / ESZ from project site and CO's certificate regarding class of land (whether recorded as Jungle -Jhari or not).

Once the requisite certificates are submitted to SEAC, it will examine the case.

ii. Domchanch Stone Mine of M/s Savita Stone, Vill. : Domchanch, Tehsil : Domchanch, Dist. : Koderma (0.62 Ha).

The EC was granted by SEIAA vide letter no. EC/SEIAA/2014-15/398/2014/1160, dated 31.07.2015. The proposal was forwarded to SEAC by SEIAA on 05.03.19.

DFO certificate regarding distance of forest / National Park / Bio-Diversity / Sanctuary / ESZ and CO certificate regarding class of land (whether recorded as Jungel-Jhari or not) is not submitted by PP.

PP was asked to submit the DFO's certificate regarding distance of Forest / National Park / Bio-Diversity / Sanctuary / ESZ and CO's certificate regarding class of land (whether recorded as Jungle -Jhari or not) from project site.

Once the requisite certificates are submitted to SEAC, it will examine the case.

iii. Purnadih Stone Quarry of M/s Bagmati Damodar Minerals and Agro Pvt Ltd., Vill. : Purnadih, Dist. :Koderma (0.15 Ha).

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

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- iv. **Domchanch Stone Mine of M/s Tarkeshwar Mehta, Vill. + P.O. :Domchanch, Dist. : Koderma (1.42 Ha).**

The EC was granted by SEIAA vide letter no. EC/SEIAA/2013-14/34/2013/2414, dated 30.12.2015. The proposal was forwarded to SEAC by SEIAA on 05.03.19.

DFO, Koderma vide memo no. 1765, dated 29.06.13 certified that the distance of forest is 290 m from project site. DFO, Wildlife, Hazaribagh vide memo no. 114, dated 18.01.14 certified that the distance of Koderma Wildlife Sanctuary is 5.80 km from project site.

PP was asked to submit the CO's certificate regarding class of land (whether recorded as Jungle -Jhari or not) from project site.

Once the above certificate submitted to SEAC, will examine the case.

- v. **Stone Mine of Sri Sanjay Kumar Mehta, Vill. + P.O. :Domchanch, Dist. : Koderma (0.433 Ha).**

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

- vi. **Domchanch Stone Mine of Sri Manoj Kumar Mehta, Vill. : Domchanch, P.O. + P.S. Domchanch, Dist. :Koderma (1.11 Ha).**

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

- vii. **Stone Mine of M/s Savita Stone (Prop : Sri Prem Chand Lal Moti), Vill. : Domchanch, Tehsil : Domchanch, Dist. : Koderma (1.66 Ha).**

The EC was granted by SEIAA vide letter no. EC/SEIAA/2014-15/397/2014/1157, dated 31.07.2015. The proposal was forwarded to SEAC by SEIAA on 05.03.19.

DFO certificate regarding distance of forest / National Park / Bio-Diversity / Sanctuary / ESZ and CO certificate regarding class of land (whether recorded as Jungel-Jhari or not) are not submitted by PP.

PP was ask to submit the DFO's certificate regarding distance of Forest / National Park / Bio-Diversity / Sanctuary / ESZ and CO's certificate regarding class of land (whether recorded as Jungle -Jhari or not) from project site.

Once the requisite certificates would be submitted to SEAC, it would examine the case.

- viii. **Domchanch Stone Mine of Sri Manoj Kumar Mehta, Vill. : Domchanch, P.O. + P.S. Domchanch, Dist. :Koderma (1.38 Ha).**

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

- ix. **Domchanch Stone Mine Project of Shri Rajesh Kr. Mehta, Vill. +P.O. : Domchanch, Dist. : Koderma (2.327 Ha).**

The EC was granted by SEIAA vide letter no. EC/SEIAA/2015-16/1302/2015/2152, dated 15.12.2015. The proposal was forwarded to SEAC by SEIAA on 05.03.19.

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DFO, Koderma vide memo no. 1516, dated 22.05.15 certified that the distance of forest is 250 m from project site. DFO, Wildlife, Hazaribagh vide letter no. 1245, dated 21.08.15 certified that the distance of Koderma Wildlife Sanctuary is 5.70 km from project site.

PP was asked to submit the CO's certificate regarding class of land (whether recorded as Jungle -Jhari or not) from project site.

Once the requisite certificates are submitted to SEAC, it would examine the case.

- x. **Kawabar Stone Mine Project of Sri Binod Kumar, Vill. :Kawabar, Dist. :Koderma (0.81 Ha).**

The EC was granted by SEIAA vide letter no. EC/SEIAA/2015-16/1481/2015/2253, dated 23.12.2015. The proposal was forwarded to SEAC by SEIAA on 05.03.19.

DFO, Koderma vide letter no. 2106, dated 16.10.2001 certified that the project site adjoining the forest (i.e. distance is zero).

Thus as per SEAC recommendation in 49th meeting it comes within the zone, where EC could not be granted. Thus, its according recommends to take appropriate legal action.

- xi. **Purnadih Stone Mine of Sri UmakantRana at Vill. : Purnadih, Markacho, Dist. :Koderma (0.34 Ha).**

The project proponent did not attend the meeting. The committee recommends to defer this proposal to the next meeting.

D. Integrated Municipal Solid Waste Management Facility for Ranchi Municipal Corporation, Vill. : Jhiri, Kanke, Dist. : Ranchi.

(Proposal no. : SIA/JH/MIS/28276/2017)

The project proponent has not attended the meeting. The committee recommends to defer this proposal to the next meeting.

Besides, hard copy & soft copy of the documents related to this proposal have not been received by the members of SEAC. The committee request Member Secretary, SEAC to ensure the receipt of complete documents to all members before presentation and appraisal done.

Day 2 : April 30, 2019 [Tuesday]

Consideration of Proposals

- i. **Barano Sand Deposit of M/s JSMDCLtd at Vill. : Barano, Dist. : Hazaribagh (5.241 Ha).**

The project proponent & consultant have not attended the meeting. The committee recommends to defer this proposal to the next meeting as per request of consultant.

- ii. **Pahartoli Sand Mining Project of Sri Anil Kumar Gupta at Vill. : Pahartoli, Thana - Basia, Dist.- Gumla (5.66 Ha).**

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The project proponent & consultant have not attended the meeting. The committee recommends to defer this proposal to the next meeting.

iii. Khokha Sand Mining Project located on river bed of Son River of M/s Ganga Kaveri Construction Pvt Ltd at Vill. : Khokha, Anchal : Kharaundhi, Dist. : Garhwa (23.00 Ha).

(Proposal No. SIA/JH/MIN/ 77868/2018)

This is a Sand Mining Project with an area of 23.00 Ha [Khata No. - 59, Plot No.- 199 (P)]. It is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 833, dated- 04.07.2015. The latitude and longitude of the project site is 24° 29' 45.93" N to 24° 30' 4.45" N and 83°23'55.42" E to 83° 24' 15.20" E respectively. The nearest railway station is Nagar Untari at a distance of 27 km in SE direction and the nearest airport is Lal bahadur Shashtri International Airport, Varanasi at a distance of 118 km in NW direction. Total water requirement is about 9.4 KLD (5.4 KLD Domestic & Drinking uses) + 4 KLD Dust suppression), this water will be supplied from nearby village by tankers.

The indicated project cost is Rs 60 Lakh and a provision of Rs 3.60 Lakh has been indicated for Environment management. Budget for Corporate Environmental Responsibility (CER) is 1.40 Lakh.

The proposed estimated mineable reserve is 10,29,600 t and annual production capacity as per revised Form-I has been indicated as 9,26,640 t per annum.

The Project Proponent request for issuance of standard ToR in compatible with Sustainable Sand Mining Guidelines, 2016 issued by MoEF&CC.

DFO, North Garhwa vide letter no. 1222, dated - 18.03.17 certified that the distance of forest is 348 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Khararoundhi vide letter no. 239, dated - 06.10.18 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in the Khatiyani or Register -II .

In the 68th meeting of SEAC held on 14-15.03.19 this project proposal was recommended to SEIAA for issuance of ToR. SEIAA in its 69th MOM dated 23.03.19 returned the proposal saying that the annual production capacity of sand is equal to the estimated mineable reserve. The rate of annual replenishment needs to be addressed properly.

The proposal was presented in SEAC on 01-03.04.19 in which requisite information was sought as under -

"In this meeting the proponent & the consultant explained that a corrigendum will be submitted to reduce the annual production target."

PP has submitted the requisite documents on 05.04.19.

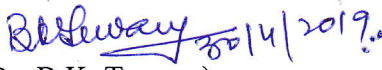
Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meetings held during 29th & 30th April, 2019, the Committee recommends in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF & CC O.M dated 12.12.18 for issuing of TOR for consideration of SEIAA for undertaking detailed EIA / EMP study as mentioned in **Annexure I**.


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SEIAA is requested to take decision on the "recommendation" of SEAC, in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF&CC O.M dated 12.12.18.


The meeting concluded with thanks to all present.

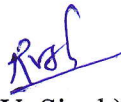

(Dr. B.K. Tewary)
Member

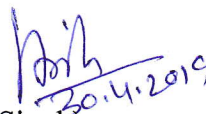

(R. N. Singh)
Member

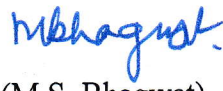

(Dr. V.P. Sinha)
Member

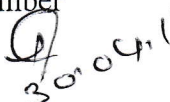

(Y.K. Singh)
Member

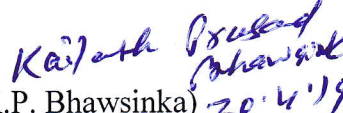

(S.P. Srivastava)
Member


(R.V. Singh)
Member


(U. P. Singh)
Member


(M.S. Bhagwat)
Member


(Om Prakash)
Member Secretary


(K.P. Bhawsinka)
Chairman

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

1. Year-wise production details since 1994 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 any increase in production after the EIA Notification 1994 came 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, mining technology etc. and should be in the name of the lessee.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
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.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

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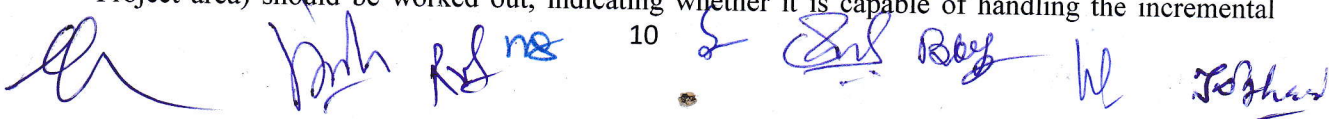
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12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such 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 alongwith budgetary provisions 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.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located

in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
23. 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.
24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
27. 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.
28. 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. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. 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.
29. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
30. 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.
31. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of 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. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
32. 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 incremental



- load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
33. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 34. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 35. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 36. Public health implications 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 allocations.
 37. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 38. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
 39. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
 40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 41. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 42. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
 43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 44. Besides the above, the below mentioned general points are also to be followed :-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to 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) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF & CC / NABL accredited laboratories. All the original analysis / testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.

- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF & CC 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 be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF & CC 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.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) 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.

45. 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.

46. 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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Handwritten signatures and initials in blue ink:
A large signature on the left, followed by "bark", "Raj", "S", "Sud", "na", "Bh", "Hci", "yodhau", and the date "30.8.19".