

The 499<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 07<sup>th</sup> April, 2021 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing :

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case No. - 8535/2021 M/s Biofil Chemicals & Pharmaceuticals Ltd, 11/12, Sector-E, Sanwer Road, Industrial Area, Dist. Indore, MP - 452015, Prior Environment Clearance for Construction/operation activities Synthetic Organic Chemical (Pharmaceutical API and Intermediates) at Plot No. 8, Sector-III, Kheda Industrial Estate, Pithampur, Taluka & Dist. Dhar (MP) [176238] Capacity – 137 MT/Annum. SIA/MP/IND2/176238/20 ToR. Env. Con. – Creative Enviro Services, Bhopal (M.P.).**

This is case of Prior Environment Clearance for Construction/operation activities Synthetic Organic Chemical (Pharmaceutical API and Intermediates) at Plot No. 8, Sector-III, Kheda Industrial Estate, Pithampur, Taluka & Dist. Dhar (MP) [176238] Capacity – 137 MT/Annum.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

2. **Case No. - 8536/2021 M/s Speciality Organics Pvt. Ltd, 49-B, Sector-B, Industrial Area, Mandideep, Dist. Raisen, MP - 462046, Prior Environment Clearance for Manufacturing of Pesticides and Synthetic Organic Chemicals at Plot No. 837 to 842, Sector-3, Bagdoon, Industrial Area, Pithampur, Dist. - Dhar (MP) [62366] Capacity – 8940 MT/Annum. Cat. 5(b) Pesticides industry & 5(f) Synthetic organic chemicals industry. ToR. Env. Con. – Creative Enviro Services, Bhopal SIA/MP/IND3/62366/20.**

This is a case Prior Environment Clearance for Manufacturing of Pesticides and Synthetic Organic Chemicals at Plot No. 837 to 842, Sector-3, Bagdoon, Industrial Area, Pithampur, Dist. - Dhar (MP) [62366] Capacity – 8940 MT/Annum. Cat. 5(b) & 5(f).

The case was presented by the PP and their consultant wherein PP submitted that it's an existing plant in industrial area. Following details were submitted by the PP during presentation:

Speciality Organics Pvt Ltd (SOPL) is already manufacturer of synthetic organic chemicals & agrochemicals with EC no. 2633/SEIAA/2019 dated 13.03.2019 Plot No 837 to 842, Sector – 3, Pithampur Industrial Area, Bagdoon, Pithampur, (M.P). Bhavesh@sopl.co.

Now the company is proposing to put up the expansion project to manufacture Pesticides and Synthetic Organic Chemicals with capacity of 8940 MT/Annum. Plot No 837 to 842, Sector – 3, Pithampur Industrial Area, Bagdoon, Pithampur, (M.P).

Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

Nature – Expansion Environment Clearance

Total Land Area - The total plot area is 23819 Sq. Mt.

**Project Components –**

Group No.	Product Details	Proposed Quantity
I	Key Starting Material for Intermediates of APIs	145
II	Intermediates for APIs	150
III	Biocide	250
IV	Agrochemicals	200
	Total Production Quantity per Month	745 MT/Month
	Total Production Quantity per Annum	8940 MT/Annum

After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR and as per Annexure-D:

1. Percentage of solvent recovery shall be >95 % and same shall be discussed with methodology in the EIA report.

2. Worst case scenario w.r.t. waste water and hazardous waste should be worked out and discussed in the EIA report.
3. All MSDS should be provided with the EIA report.
4. Detailed green belt plan shall be submitted with the EIA report.

**3. Case No 7353/2020 M/s City Enterprises, Prop. Smt. Shweta Goyanka, Village - Kotma, Tehsil - Kotma, Dist. Anuppur, MP – 484334 Prior Environment Clearance for Stone Quarry in an area of 1.011 ha. (20000 cum per annum) (Khasra No. 335/1) at Village- Pairichua, Tehsil- Kotma, District- Anuppur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 335/1) at Village- Pairichua, Tehsil- Kotma, District- Anuppur (MP) 1.011 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 710 dated 21/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled in 449<sup>nd</sup> meeting dated 24/07/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled again for presentation in but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 450<sup>th</sup> meeting dated 13/8/2020 and 449<sup>nd</sup> meeting dated 24/07/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 450<sup>th</sup> SEAC meeting dated 13-08-20 and 449<sup>nd</sup> meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to

the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

The case was discussed in 668<sup>th</sup> SEIAA meeting dated 24/3/2021 and it has been recorded that.

The case was discussed in 637<sup>th</sup> SEIAA meeting dated 15/9/2020 and it was recorded that

The case was discussed in 453<sup>rd</sup> SEAC meeting dated 28/8/20 and it was recorded that.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 450<sup>th</sup> SEAC meeting dated 13-08-20 and 449<sup>nd</sup> meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

As per above observation of SEAC, it has been decided to delist the case on the condition that if PP :

PP has submitted required documents vide L.No. NIL dated 01/3/2021 received in SEIAA office 6/3/21 to relist the case as PP is now ready to present their case in SEAC, Considering the request of PP, it was decided in relist the case and send the technical file to SEAC for appraisal.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was also observed that some trees are in existence within the lease area for which PP submitted that no trees will be uprooted. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 31.52Lakh as capital and Rs. 5.21 Lakh/year as recurring has proposed by PP.

**4. Case No 8532/2021 Sanjay Kumar Jain S/o Shri Jawahar Lal Jain, Deori, Distt. Sagar – 470226 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha (11760 Cum per Annum) (Khasra No. 109/1), Village – Chhewala, Tehsil – Deori, Distt. Sagar (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village – Chhewala, Tehsil – Deori, Distt. Sagar (M.P.) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 409 dated 25/3/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 07.04.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 11,760 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 21.91 Lakh as capital and Rs. 1.27 Lakh/year as recurring has proposed by PP.

**5. Case No 8540/2021 M/s. Dhanlaxmi Marchendais (P) Ltd., Samar Singh Tomar 501/pi/1, Ward No. 16, Civil Line, Kalika Nagar, Babai Road, Distt. Hoshangabad (M.P.) Prior Environment Clearance for Sand Quarry in an area of 4.0 ha (32400 Cum per annum) (Khasra No. 669), Village – Cheenakachhar-1 Tehsil – Gadawara, Distt. Narsinghpur (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 669), Village – Cheenakachhar-1 Tehsil –

Gadarwara, Distt. Nagsinghpur (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 389 dated 06/2/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Dudhi River. After presentation the committee asked to submit following details:

- Revised EMP & CER.

PP has submitted the response of above quarries same date vide letter dated 07.04.2021, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 32,400 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 14.42 Lakh as capital and Rs. 1.62 Lakh/year as recurring are proposed by PP.

**6. Case No 8541/2021 M/s. Dhanlaxmi Marchendais (P) Ltd., Samar Singh Tomar, 501/pi/1, Ward No. 16, Civil Line, Kalika Nagar, Babai Road, Distt. Hoshangabad (M.P.) Prior Environment Clearance for Sand Quarry in an area of 4.0 ha (32400 Cum per annum) (Khasra No. 28), Village – Cheenakachhar-2 Village – Tehsil – Gadarwara, Distt. Nagsinghpur (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 28), Village – Cheenakachhar-2 Village – Cheenakachhar-1 Tehsil – Gadarwara, Distt. Nagsinghpur (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Collector Office letter no. 389 dated 06/2/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Dudhi River. After presentation the committee asked to submit following details:

- Revised EMP & CER.

PP has submitted the response of above quarries same date vide letter dated 07.04.2021, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 32,400 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 28.42 Lakh as capital and Rs. 1.85 Lakh/year as recurring are proposed by PP.

**7. Case No 8533/2021 M/s. Ashtvakar IT Solutions Ltd., Authorized Person, Shri Rahul Singh, B-21, Master Mind, S.No. 169(P) Royal Plams Estate, Aray Colony, Bhandup, Distt. Mumbai (Mah.) Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (39000 Cum per annum) (Khasra No. 62), Village – Karegaon, Tehsil – Ghughari, Distt. Mandla (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 62), Village – Karegaon, Tehsil – Ghughari, Distt. Mandla (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 138 dated 23/1/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 39,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 29.46Lakh as capital and Rs. 1.85 Lakh/year as recurring are proposed by PP.

**8. Case No 8534/2021 M/s. Ashtvakar IT Solutions Ltd., Authorized Person, Shri Rajul Singh, B-21, Master Mind, S.No. 169(P) Royal Plams Estate, Aray Colony, Bhandup, Distt. Mumbai (Mah.) Prior Environment Clearance for Sand Quarry in an area of 2.0 ha (18300 Cum per annum) (Khasra No. 01), Village – Garaiya, Tehsil – Ghughari, Distt. Mandla (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village – Garaiya Pand, Tehsil – Ghughari, Distt. Mandla (M.P.) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 196 dated 02/2/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. During presentation PP submitted that another mine within 500 meters is Chhipitola and as per LoI, the area of Chhipitola is 2.0 ha. Thus total area including both mines is 4.0. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 18,300 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.60Lakh as capital and Rs. 1.49 Lakh/year as recurring are proposed by PP.



**9. Case No 8542/2021 M/s Arcons Neemdhana Hirdagar Project Pvt. Ltd, Kamlesh Kothari, Nagpur Road, Dist. Chhindwara, MP - 480001 Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (58512 cum per annum) (Khasra No. 03 Part), Village - Kevlary Ryt, Tehsil - Junnardev, Dist. Chhindwara (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 03 Part), Village - Kevlary Ryt, Tehsil - Junnardev, Dist. Chhindwara (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 4736 dated 24/3/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant PP stated that it's a case of Stone mining and this lease was obtained under temporary permit (TP). During presentation it was also observed that pucca road is existed at distance of 80 m in the north side and Kachcha road at 130 m in the west side of the lease. PP further submitted 02 trees will be uprooted and 20 trees will be additionally will planted. After presentation the committee asked to submit following details:

- Inventory of the trees with PP's commitment that 20 trees will be additionally planted

PP has submitted the response of above quarries same date vide letter dated 07.04.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production as per mine plan with quantity not exceeding for Stone 58,512 cum/year and Murum 26,294 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.52 Lakh as capital and Rs. 1.86 Lakh/year as recurring has proposed by PP.

**10. Case No 8544/2021 M/s R.K.Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP - 451441 Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (2500 cum per annum) (Khasra No. 319), Village - Penpur, Tehsil - Gogawan, Dist. Khargone (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 319), Village - Penpur, Tehsil - Gogawan, Dist. Khargone (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1147 dated 15/3/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 2,500 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 23.25 Lakh as capital and Rs. 3.31 Lakh/year as recurring are proposed by PP.

**11. Case No. – 7694/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 20.00 ha. (96300 cum per annum) (Khasra No. 39/534), Village - Masira, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 39/534), Village - Masira, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 20.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2600 dated: 14/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462<sup>nd</sup> SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7821 dated 30/3/2021, which was placed before the committee.

The EIA was presented by the PP and their consultant wherein following details submitted by PP about the lease:

- The mine lease of river sand mine on Son River is spread over an area of 20.00 ha in Village –Masira, Tehsil- Jaisingh nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19//Khanij/2020/2322 Shahdol dated 13/08/2020 for a production capacity of 96300m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/khanij/2020/2600 Bhind, dated 14/09/2020.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.5m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

### **REPLENISHMENT CAPACITY**

- The Son originates near Amarkantak in Anuppur district of Madhya Pradesh, just east of the headwater of the Narmada River, and flows north-northwest through Shahdol district in Madhya Pradesh state before turning sharply eastward where it encounters the southwest-northeast-Kaimur Range. The Son parallels the

- Kaimur hills, flowing east-northeast through Uttar Pradesh, Jharkhand and Bihar states to join the Ganges just west of Patna.
- The Son River which is 784 kilometres (487 mi) long. But as per Google maps, the distance from Amarkantak to meeting point of Ganges is 932 kilometres (579 mi). Hence the actual length of this river is debatable. The Son is one of the longest Indian rivers. Its chief tributaries are the Rihand, Banas, Kanhar and the North Koel.
  - On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand. The Catchment area of Son river in Shahdol dist is about 14028 km<sup>2</sup>.
  - The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
  - Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 1,91,39,967 M. tonne/Year or 11962479 cum/year
  - As per DSR the annual deposition of sand 3.0 – 4.0m is received after monsoon
  - Hence it is concluded that the annual production capacity (96,300 cum in 20.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

During presentation as per Google image based on coordinates provided by PP, it was observed that the part of the lease is submerged in the water for which PP submitted that sand is available and we are also submitting the photographs for consideration . Also a road bridge is crossing the lease PP submitted that they have left 500 m u/s of bridge and 250 m d/s of bridge as non – mining area .

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Sand Quarry in an area of 20.00 ha. (96300 cum per annum) (Khasra No. 39/534), Village - Masira, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP), .subject to the following special conditions and as per Annexure-B:

#### **(A) PRE-MINING PHASE**

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement &

Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.

2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

1. Mining shall be carried out as per approved mine plan.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 30,000 trees shall be planted on in River Bank and along the approach road of the mine Masira, Villages area (School, Aanganbadi Gram Panchayat Bhawan,) as per recommended by Gram panchayat.
4. Transportation of sand shall be done in covered vehicles.
5. Transportation of sand shall not be carried out through forest area.
6. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
7. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.

Further any need base and appropriate activity may be taken up in coordination with local panchayat.

8. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
9. The commitments made in the public hearing are to be fulfilled by the PP.
10. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
11. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

1. In the proposed EMP, capital cost is Rs. 34.7Lakh is proposed and Rs.2.10Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Description	Physical Target
Provide Benches and Tables and White washing work for School (Iron Made)	(30 Nos. + 30 Nos.) White Washing 1 school
Bore well in Gram Panchayat, Angawanbadi and School of Masira	09 Nos.
COVID related activity	In Masira Village
Grazing Land Development	5000 Sqf

3. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
4. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**12. Case No. – 7696/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 43.303 ha. (1,19,998 cum per annum) (Khasra No. 455/472, 291/471, 7/470), Village - Pasaudh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 455/472, 291/471, 7/470), Village - Pasaudh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 43.303 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2594 dated: 14/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462<sup>nd</sup> SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7821 dated 30/3/2021, which was placed before the committee.

The EIA was presented by the PP and their consultant wherein following details submitted by PP about the lease:

- The mine lease of river sand mine on Son River is spread over an area of 43.303 ha in Village –Pasaudh, Tehsil- Jaisingh nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -18/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/Khanij/2020/2324 Shahdol dated 13/08/2020 for a production capacity of 119998m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank 19/Khanij/2020/2594 Shahdol, dated 14/09/2020.

- Opencast Semi-mechanised and manually method for mining by scrapping in 1.0m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

#### **REPLENISHMENT CAPACITY:**

- The Son originates near Amarkantak in Anuppur district of Madhya Pradesh, just east of the headwater of the Narmada River, and flows north-northwest through Shahdol district in Madhya Pradesh state before turning sharply eastward where it encounters the southwest-northeast-Kaimur Range. The Son parallels the Kaimur hills, flowing east-northeast through Uttar Pradesh, Jharkhand and Bihar states to join the Ganges just west of Patna.
- The Son River which is 784 kilometres (487 mi) long. But as per Google maps, the distance from Amarkantak to meeting point of Ganges is 932 kilometres (579 mi). Hence the actual length of this river is debatable. The Son is one of the longest Indian rivers. Its chief tributaries are the Rihand, Banas, Kanhar and the North Koel.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand. The Catchment area of Son river in Shahdol dist is about 14028 km<sup>2</sup>.
- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 1,91,39,967 M. tonne/Year or 11962479 cum/year
- As per DSR the annual deposition of sand 3.0 – 4.0m is received after monsoon
- Hence it is concluded that the annual production capacity (1,19,998 cum in 43.303 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

During presentation as per Google image based on coordinates provided by PP, it was observed that the small part of the lease is submerged in the water for which PP submitted that sand is available and we are also submitting the photographs for consideration . Also a



road bridge is crossing the lease PP submitted that they have left 500 m u/s of bridge and 250 m d/s of bridge as non – mining area .

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Sand Quarry in an area of 43.303 ha. (1,19,998 cum per annum) (Khasra No. 455/472, 291/471, 7/470), Village - Pasaudh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP), subject to the following special conditions and as per Annexure-B:

**(A) PRE-MINING PHASE**

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

3. Mining shall be carried out as per approved mine plan.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.

14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 64,500 trees shall be planted on in River Bank and along the approach road of the mine Pasaudh, Villages area (School, Aanganbadi Gram Panchayat Bhawan,) as per recommended by Gram panchayat.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

1. In the proposed EMP, capital cost is Rs. 51.48 Lakh is proposed and Rs.2.10Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Description	Physical Target
Provide Boundry wall construction in Primary school Pasoud	3 m*500m=1500 sqm
Bore well in Gram Panchayat, Angawanbadi and School of Pasoud	10 Nos.
COVID related activity	In Pasoud Village

Grazing Land Development in pasoud village	4000 Sqf
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3. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
4. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**13. Case No 7954/2020 Shri Rasmeet Singh Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP - 461775 Prior Environment Clearance for Sand Quarry in an area of 6.0 ha. (25,000 cum per annum) (Khasra No. 526, 549), Village - Chandrawal, Tehsil - Raipura, Dist. Panna (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 526, 549), Village - Chandrawal, Tehsil - Raipura, Dist. Panna (MP) 6.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1458 dated: 12/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 470<sup>nd</sup> SEAC dated 18/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7821 dated 30/3/2021, which was placed before the committee.

The EIA was presented by the PP and their consultant wherein following details submitted by PP:

- The mine lease of river sand mine on Bearma River is spread over an area of 6.00 ha in Village - Chandrawal, Tehsil - Raipura, Dist. Panna, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Rasmeet Singh Malhotra by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/Ret/2020/488 Bhopal, dated 22/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining office), Panna, Madhya Pradesh vide letter no.1431/11/M/3/6/2020 Panna Dated 07/10/2020 for a production capacity of 25000 m<sup>3</sup> per year.
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

### **Replenishment Capacity- Bearma River**

- Bearma river is one of the major tributary of Sonar river and forms part of the catchment area of Ken river. This river too has got many rivulets and nallhas directly draining into it. The river originates from Bandra RF, in Narasighpur district of Madhya Pradesh at an elevation of about 600 m. It travels through Narasinghpur and Damoh districts and forms border for Damoh and Panna districts before its confluence with Sonar river. The watershed area extends into Sagar district also.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Panna district is 1066 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 830492.34 M. tons/Year.
- The Annual Replenished Sand in Bearma River is 313394 cum. (As Per DSR Panna)
- Hence it is concluded that the annual production capacity (25,000 cum in 6.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

During presentation as per Google image based on coordinates provided by PP, it was observed that the part of the lease is submerged in the water for which PP submitted that no mining shall be carried out from the submerged area as they have proposed only 60 % of the sanctioned area on the available area.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 6.0 ha. (25,000 cum per annum) (Khasra No. 526, 549), Village - Chandrawal, Tehsil - Raipura, Dist. Panna (MP) .subject to the following special conditions and as per Annexure-B:

**(A) PRE-MINING PHASE**

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

10. Mining shall be carried out as per approved mine plan.
11. No intermediate stacking is permitted at the mine site.

12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 9,000 trees shall be planted on barrier zone, along the transportation route & on land provided by Gram Panchayat for the Plantation.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

23. In the proposed EMP, capital cost is Rs. 20.64 Lakh is proposed and Rs. 6.48 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Description	Physical Target	Description
Development of Sanitation & Drinking Water Facility nearby villages, schools and other community areas of nearby villages with the help of gram panchayat.	2 no	Development of Sanitation & Drinking Water Facility nearby villages, schools and other community areas of nearby villages with the help of gram panchayat.
Health checkup camps	2 X 2 Villages	Health checkup camps

Energy conservation awareness through distribution of solar lamps/ Solar cookers.	Near by 2 No. villages	Energy conservation awareness through distribution of solar lamps/ Solar cookers.
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25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**14. Case No 7806/2020 M/s R.K.Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP – 462039 Prior Environment Clearance for Khodu Bharu Sand Quarry in an area of 15.0 ha. (40,000 cum per annum) (Khasra No. 313/1/1/1), Village - Sulgaon, Tehsil - Maheshwar, Dist. Khargone (MP)**

This is case of Khodu Bharu Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 313/1/1/1), Village - Sulgaon, Tehsil - Maheshwar, Dist. Khargone (MP) 15.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2185 dated: 20/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462<sup>nd</sup> SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 05.04.2021 which was forwarded through SEIAA vide letter no. 266 dated 06.04.2021 which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points:

- This is a is Khodu Bharu type mine lease which is more than 350 m away from the river Narmada and having lease area 15 ha. falling in Khasra No. 313/1/1/1), Village - Sulgaon, Tehsil - Maheshwar, Dist. Khargone (MP). The Letter of Intent for the lease has been granted to Project Proponent M/s s R.K.Gupta Contractors and Engineers Pvt. Ltd, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/2483/132/2002/12/1 Bhopal, dated 11/06/2020as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. 2379/ Khargone dated 21/08/25020for a production capacity of 40,000 m<sup>3</sup> per year.
- Opencast Semi-mechanised method for mining by scrapping in 2.50 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

### **Plantation**

- Afforestation will be taken up in the along within lease and lease boundary and Approach road of, Gram Panchayat Bhawan, as per submitted scheme.

PP further submitted that being a Khodu Bharu mine hence, mining will be carried out through semi mechanized open-cast method adopting a system of benches. After presentation and deliberation, PP was asked to submit following information:

1. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 07.04.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP



and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Prior Environment Clearance for Khodu Bharu Sand Quarry in an area of 15.0 ha. (40,000 cum per annum) (Khasra No. 313/1/1/1), Village - Sulgaon, Tehsil - Maheshwar, Dist. Khargone (MP), .subject to the following special conditions and as per Annexure-B:

**(A) PRE-MINING PHASE**

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

11. Mining shall be carried out as per approved mine plan.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 22,500 trees shall be planted on barrier zone, backfilled area, lease boundary and Approach road of, Gram Panchayat Bhawan etc..
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need based and appropriate activity may be taken up in coordination with local panchayat.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provided to the workers during mining operations.
24. The existing and proposed land use plan of the mine is as follows:

<b>Articles</b>	<b>Land use at present</b>	<b>Land use at the end of 3 years in Ha.</b>
A. Lease Area	15.0	15.0
B. Quarrying & allied		4.86
1. Area under pit	---	
2. Area for dumping	--	--
3. Area for road	-	-
4. Area for Infrastructure	-	-
5. Plantation	- - -	1.5ha (along lease boundary)

6. Storage of Mineral	-	-
7. Storage of fines	-	-
8. Crushing unit	-	-
9. Untouched Area	-----	8.64ha
<b>Total</b>	<b>15.0</b>	<b>15.0</b>

**(C) ENTIRE LIFE OF THE PROJECT**

25. In the proposed EMP, capital cost is Rs. 78.10 Lakh is proposed and Rs.28.56Lakh /year as recurring expenses.
26. Under CER activity, following activities are proposed based public hearing issues.
  - To provide 2000L overhead with proper water channelization system  
Construction of 01 toilet for boys and 01 toilet for Girls of Primary School, Sulgaon.
  - Electricity connection for Primary School will be taken by PP.
  - Distribution of Mask & Hand Sanitizer for Gram Panchayat, Sulgaon
  - Development of grazing land at village Sulgaon, Dist. Khargone
27. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
28. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**15. Case No 8448/2021 Shri Banti Prajapati S/o Shri Hargovind Prajapati, Shitla Mata Mandir Ke Pass, Railway Line, Jagirpura, Tehsil - Dabra, Dist. Gwalior, MP Prior Environment Clearance for Soil Quarry in an area of 1.0 ha. (1000 cum per annum) (Khasra No. 727, 1491), Village - Magrora, Tehsil - Dabra, Dist. Gwalior (MP)**

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 727, 1491), Village - Magrora, Tehsil - Dabra, Dist. Gwalior (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 8184 dated: 04/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Soil quarry, where no drilling and blasting is proposed. It was also observed that lease is in two parts to make 1.0 ha as per MP MMR, 1996 and subsequent amendments. PP's submitted that depth restriction shall be upto 2 m. Klin is already installed, which is fixed klin. The ash generated from coal/wood should be re-used in brick making in 1:10 ratio. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 1,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.68Lakh as capital and Rs. 3.45 Lakh/year has proposed.

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Dr. Rubina Chaudhary)**  
**Member**

**(Dr. Sonal Mehta)**  
**Member**

**(Dr. J. P. Shukla)**  
**Member**

**(Dr. Anil Sharma)**  
**Member**

**(A. A. Mishra)**  
**Secretary**

**(Mohd. Kasam Khan)**  
**Chairman**



**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**Annexure- 'B'**

**Standard conditions applicable for the Sand Mine Quarries\***

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon



& in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.

2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire

Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.

19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.

- iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
- v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
- vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
- vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

**Annexure- 'C'**

**Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality

- replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
  15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
  16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
  19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
  20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
  21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
  22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
  23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
  25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
  26. Mining Lease boundary shall be appropriately earmarked with fencing.
  27. A display board with following details of the project is mandatory at the entry to the mine.
    - a. Lease owner's Name, Contact details etc.
    - b. Mining Lease area of the project (in ha.)
    - c. Production capacity of the project.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.

22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**

29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
32. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.