

The 349<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 05<sup>th</sup> March, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Shri Prashant Srivastava, Member.
5. Dr. Jai Prakash Shukla, Member.

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

1. **Case No. - 5696/2018 Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 32, Barwaha, Distt. - Khargone, MP – 451115 Prior Environment Clearances for ISP – Kalisindh Lift Micro Irrigation Scheme Link Project Phase-I, Lifting Point: ISP Reservoir (Back Water) Near Banka Palas Village, Tehsil - Punasa, Distt. - Khandwa (MP). (To irrigate 1,00,000 Ha. of command area in Dewas, Shajapur and Sehore Districts of M.P. by lifting Water from ISP reservoir and delivering it by pressurized pipeline system for micro irrigation with the duty of 0.3204 Ips/hectare)**

This is a River Valley projects involving culturable command area and denies the general conditions falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The salient features of the project are given below:

- In ISP Kalisindh Micro-Irrigation Scheme water will be lifted from ISP Reservoir and distributed by pipeline to meet irrigation water requirement for 1,00,000 Ha (CCA).
- Total 191 villages, of Dewas, Sehore and Shajapur districts, will be benefitted.
- Project is designed for a discharge of 32.04 cumec with total annual utilization of 332.20 MCM.

1	Dewas	Hatpipliya	30
		Sonkachha	90
		Dewas	48
2	Sehore	Aashta	13
3	Shajapur	Shujalpur	10
			191

<b>Type of Project</b>	:	Major Lift Irrigation Project
<b>Project Location</b>		
i) Supply Source	:	Indira Sagar Reservoir
ii) Lifting Point	:	Indira Sagar Reservoir near village Bakapalas in Mathani forest range
iv) Command	:	In Dewas, Sehore, Shajapur districts
<b>River Basin</b>		
a) Name		
i) Lifting	:	Narmada Basin Kalisindh, Chhoti Kalisindh & Newaj
ii) Command	:	Sub Basin of Chambal Basin
b) Located in	:	Madhya Pradesh
C) Submergence due to project	:	No submergence due to project, as it is a lift scheme
<b>Irrigation</b>		
Gross Command Area (GCA)	:	1,44,700 ha
Culturable Command Area (CCA)	:	1,00,000 ha
Crop	:	<b>Rabi - 100% (1,00,000 ha)</b>
<b>Water Utilization</b>		
Discharge	:	32.04 cumec
Annual Utilization	:	332.2 MCM
Estimated life of the project	:	50 Years
Pump Head	:	Total head – 520 m (Maximum head – 124 m)
Pipe System	:	Main Transmission Pipeline – 106 KM
Distribution system	:	Piped distribution up to 2.5 Ha (HDPE/MS Pipe)

Power Requirement	:	140.169 MW
Cost	:	₹ 3489.82 Crore
B. C. Ratio	:	1.94

## Land Requirement

### Permanent:

- The entire micro irrigation system has been aligned in such a way, that it passes through minimum forest area. However, for laying of Rising main, Electrical lines and Establishing Pump Houses in Forest area about 155 hectare will be required.
- For construction of pump houses or where rising main passes through private land, private land of about 2.3 ha shall be required.

### Temporary:

- In private or Govt. land the pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act. Temporary land requirement – 3620 Ha for Pipeline & 210 Ha for Transmission line.

The case was presented by the PP and their consultant in 318<sup>th</sup> SEAC meeting dated 21/06/2018, wherein during presentation it was submitted by the PP that 155 ha. forest land is involved in the project and no submergence is involved in the project. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.

7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. 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.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.
16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Risk factors with their management plan should be discussed in the EIA report.
18. Intensive flora and fauna should be studied as project is in close proximity with Ratapani Wildlife Sanctuary.

PP has submitted EIA/EMP vide letter no. 704 dated 22/02/2019 which was forwarded through SEIAA vide letter no. 2441 dated 01/03/2019.

In this meeting the case was presented by PP and their consultant wherein PP submitted that:

- As per MOEF notification Part II Section – 3(II) dated 1.12.2009 SO 3067 (E) page no 18 under V - Irrigation projects not involving submergence or inter-state domain shall be appraised by SEIAA as Category B project

- Therefore, Scoping Clearance for Kalisindh Lift Irrigation Scheme was issued by SEAC vide letter No. 229/PS-MS/MPPCB/SEAC/TOR(318)/2018 dated 10/07/2018
- Study was conducted during July-September 2018;
- The project is a lift irrigation scheme; consisting of lifting water from ISP reservoir and distribution through a pressurized piped system to cultivators for irrigation during Rabi season.
- Water will be supplied upto 2.5 ha chak size under adequate pressure (minimum 20m head) for drip/sprinkler system to be installed by cultivators.
- The Project consists of following Components:
  - I. Pump Houses (6 numbers)
  - II. Break Pressure Tanks (2 nos.)
  - III. Distribution Chambers (4 nos.)
  - IV. Sub station
  - V. 132/33 KV Transmission line
  - VI. Rising/Gravity main (1 numbers) - MS pipeline (95.4 Km)
  - VII. Branch mains (MS/DI/HDPE) up to 20 ha Chak
  - VIII. Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
  - IX. Flow & Pressure Control Valves, Air valves
- 282 villages will be benefitted covering 1.00 lakh ha of command as:

<b>District</b>	<b>Tehsil</b>	<b>No. of Villages</b>
Dewas	Bagli	12
	Dewas	3
	Hatpipalya	46
	Sonkatch	124
	Tonk Khurd	61

Sehore	Jawar	19
Shajapur	Shajapur	6
	Polaykala (Sujalpur)	6
	Awantipur Badodiya	5
TOTAL		282

PP further stated that, for lying of rising main, electrical lines and establishment of permanent structures, 160.055 ha of forest land will be diverted. Proposal for diversion has been submitted vide reference no. FP/MP/IRRIG/36377/2018 dated 12/10/2018. Part II documents submitted to the respective authority for further process and approval. The Public Hearings were conducted in Dewas, Khandwa, Shajapur and Sehore districts on 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup>, and 15<sup>th</sup> February 2019 respectively.

After presentation PP was asked to submit following informations:

1. Justification for site selection.
2. The project required 4.39 ha private land, PP shall be submitted bifurcation of Government & Private land, R & R cost and details of tenants.
3. Muck disposal plan.
4. Commitment of PP regarding 0.25% i.e. 250 ha. area of the command area shall be planted in the non- forest waste lands.
5. Recurring cost of ambulance shall be added at appropriate place.
6. Revised table of EMP with R & R cost.
7. EHS policy of NVDA.
8. Corrected table of air quality data for PM2.5 & PM 10.
9. Form-2 as per OM of MoEF&CC.
10. Commitment from PP regarding fire fighting equipments will be provided in all the permanent pumping stations.

PP vides letter dtd. 05.03.2019 submitted reply of the above query. The query reply was placed before the committee which was found satisfactory and acceptable hence the case was recommended for grant of prior EC for ISP – Kalisindh Lift Micro Irrigation Scheme Link Project Phase-I, Lifting Point: ISP Reservoir (Back Water) Near Banka Palas Village, Tehsil -

Punasa, Distt. - Khandwa (MP), to irrigate 1,00,000 Ha. of command area in Dewas, Shajapur and Sehore Districts of M.P. by lifting Water from ISP reservoir and delivering it by pressurized pipeline system for micro irrigation with the duty of 0.3204 Ips/hectare, Cat. - 1(c), River Valley Project. with subject to the following special conditions and forest clearance:

**(A) PRE-CONSTRUCTION PHASE**

1. During any construction/pumping station erection, curtaining of site should be carried out to protect nearby areas.
2. Adequate arrangement to prevent incidence of any endemic health problem due to water /soil borne diseases shall be provided.
3. Adequate provisions for re-vegetation, dressing, resurfacing of burrow pits etc. should be ascertained for protecting soil erosion due to runoff during rain.
4. Burning of firewood/fuel by the construction workers for their cooking may have minor impact on the local air quality, which however can be avoided with provision of alternate cooking fuel such as kerosene or LPG gas.
5. For dust mitigation measures following measures shall be adopted:
  - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
  - No excavation of soil shall be carried out without adequate dust mitigation measures in place.
  - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - Wind-breaker of appropriate height minimum 03 meters shall be provided.
  - Water sprinkling system shall be put in place.
  - Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
  - No uncovered vehicles carrying construction material and waste shall be permitted.
  - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. Provisions shall be made for the housing of construction/ pumping station erection labor within the site with all necessary infrastructure and facilities such as mobile

toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**(B) CONSTRUCTION PHASE**

8. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
9. Fire extinguishers should be provided on site during construction/ plant erection period.
10. First-aid facilities should be provided in the all permanent pump house stations and in the shelter home with the first –aid training to the key person.
11. Solar lighting shall be used for auxiliary supply.
12. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
13. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.
14. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
15. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
16. The proposed land use plan of the area is as follows:

<b>Land use/ Land cover Classes</b>	<b>Area (%)</b>
Forest	14.48
Scrub Forest	2.21
Scrub Land	11.14
Agriculture/Fallow Land	68.14
Settlement	1.65
Mining	0.14
Barren Land	0.40



Water body	1.84
Total	100.00

17. Waste construction material should be recycled as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
18. Plantation in patches in suitable land 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
19. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
20. Waste oil & grease generated from the pumps and standby DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016 after obtaining authorization.
21. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

22. Plantation shall be carried out by the NVDA Forest Division in the 0.25% i.e. 250 ha. as per submitted plan in the command area or on available degraded land/ non forest waste land area.
23. The Project consists of 06 -Pump House , 02 -BP Tanks , 04 -Distribution Chambers and Rising/Gravity mains- 01 number – MS pipelines (95.4 KM).
24. Total Power requirement for this project shall be 137.10 MW and Auxiliary- 1.08 MW.
25. In the post-irrigation phase, farmers tend to use more fertilizers and pesticides these may result in soil and water pollution. Hence, it should be essential to use the fertilizers and pesticides in a judicious manner without causing soil and water pollution. Awareness program shall be conducted and experts should interact with the local people who will guide them on the quantity and proper application of fertilizer and Pesticides.
26. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
27. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.

28. Use of Solar Energy with LED light arrangement in the pump house, site, office building should be promoted in the project area where ever possible.
29. An energy audit for energy conservation can be performed in pump site, office building, to reduce energy expense and carbon footprints.
30. All leakages will be cleaned out in the pump house to prevent wastage of water with the prescribe procedures in the regular intervals.
31. The public toilets should be made in optimum numbers so that entire command area and site should be open defecation free (ODF).
32. The project authorities should comply with the provisions made in the Water (Prevention & control) of Pollution Act 1974, and amended, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016, etc.
33. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
34. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
35. The project authorities should comply following provisions/ conditions made in the Construction and Demolition Waste Management Rules, 2016.
36. PP shall be explored for harnessing of wind power.

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

37. A total budgetary provision of Rs. 5045.39 Lakh has made for Environmental Management Plan, out of which 975.00 Lakh for Biodiversity Conservation Plan and 100.00 lakh is for Greenbelt Development.
38. Under CSR activity PP proposed Rs. 50.0 Lakh as capital cost and Rs. 142.0 Lakh as recurring cost for different activity.
39. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
40. 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.
41. All commitments pertaining to public hearing shall be mandatory on part of PP.
42. The environment policy should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.

43. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
44. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
45. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
46. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**2. Case No. - 5706/2018 Executive Engineer, Narmada Development Division No. - 25, Narmada Nagar, Distt. - Khandwa, (M.P.) – 450119. Prior Environment Clearance for ISP - Parwati Phase I & II Micro Lift Irrigation Scheme, Near Village - Piplaya, Tehsil - Satwas, Distt. -Dewas, (M.P.) Cultivable Command Area – 1,00,000 Ha. Of command area in Sehore district of M.P. by lifting water from Indira Sagar Project Reservoir and delivering it by pressurized pipeline system for micro irrigation with the duty of 0.3204 Ips/hectare., (Project covered 03 Districts - Shajapur, Dewas & Sehore), Cat. - 1(c) River Valley and Hydroelectric Projects.**

This is case of Prior Environment Clearance for ISP - Parwati Phase I & II Micro Lift Irrigation Scheme, Near Village - Piplaya, Tehsil - Satwas, Distt. -Dewas, (M.P.) Micro Lift Irrigation Scheme Cultivable Command Area – 1,00,000 Ha. Of command area in Sehore district of M.P. by lifting water from Indira Sagar Project Reservoir and delivering it by pressurized pipeline system for micro irrigation with the duty of 0.3204 Ips/hectare., (Project covered 03 Districts - Shajapur, Dewas & Sehore), and falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was presented by the PP and their consultant wherein during presentation it was submitted by the PP that approximately 60 ha of forest land is involved in this project hence FC clearance should be obtained and same should be submitted in the final EIA report. After

deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. 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.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.
16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Risk factors with their management plan should be discussed in the EIA report.

PP has submitted EIA/EMP vide letter no. 355 dated 27/02/2019 which was forwarded through SEIAA vide letter no. 2443 dated 01/03/2019.

In this meeting the case was presented by PP and their consultant wherein PP submitted that:

- As per MOEF notification Part II Section – 3(II) dated 1.12.2009 SO 3067 (E) page no 18 under V - Irrigation projects not involving submergence or inter-state domain shall be appraised by SEIAA as Category B project.
- Study was conducted during July-September 2018; Public Hearings were conducted in Sehore, Shajapur and Dewas districts on 14<sup>th</sup>, 18<sup>th</sup> and 20<sup>th</sup> February 2019 respectively.
- The project is a lift irrigation scheme; consisting of lifting water from ISP reservoir and distribution through a pressurized piped system to cultivators for irrigation during Rabi season.
- 264 villages will be benefited covering 1.00 lakh ha of command as:

<b>District</b>	<b>Tehsil</b>	<b>No. of Villages</b>
Sehore	Astha	162
	Icchawar	74
	Jawar	24
Shajapur	Kalapeepal	3
	Shajapur	1
<b>TOTAL</b>		<b>264</b>

- Water will be supplied upto 2.5 ha chak size under adequate pressure (minimum 20m head) for drip/sprinkler system to be installed by cultivators.
- The Project consists of following Components:
  - I. Pump Houses (4 No.)
  - II. Break Pressure Tanks (1 No.)
  - III. Distribution Chamber (2 No.)
  - IV. 132/11 KV Sub stations (4 No.)

- V. 132/11 KV Transmission line (76 Km)
- VI. Gravity main (1 number) – Main line (12.86 Km)
- VII. Rising main (5 numbers) - MS pipeline (31.14 Km)
- VIII. Branch mains (MS/HDPE) up to 20 ha Chak
- IX. Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
- X. Flow & Pressure Control Valves, Air valves

PP further stated that, for lying of rising main, electrical lines and establishment of permanent structures, 37.97 ha of forest land will be diverted. Proposals for diversion has been submitted vide reference no. FP/MP/IRRIG/35849/2018 dated 12/09/2018. The Forest clearance case has been cleared in the Regional Empowered Committee Meeting held on 1<sup>st</sup> Mar'2019.

Sl No.	Division	Forest Land (ha.)	Legal Status
1	Sehore(T)	14.113	Reserved Forest
2	Dewas(T)	23.857	Reserved Forest
Total		37.97	

- 132 kv transmission lines will be brought from Handia, Satwas and Ashta sub stations to pump houses,
- Total length of the 132kv transmission line is worked out 76 km. 16.7 ha of forest land shall be acquired for lying of transmission line.
- About 4.08 Ha of Govt. / Private land shall be required temporarily.
- The pipe shall be laid 1.00 m below average ground level and land will be restored immediately on completion of the work. Wherever, the pipeline/ transmission line will be passing through private land, temporary land acquisition will be done as per the applicable law. Total temporary land requirement is worked out as 3990 ha.
- NWDT assessed utilizable quantum of waters of Narmada at Sardar Sarovar Dam on the basis of 75% dependability was assessed on 34537.44 Mcum (28 MAF).
- Out of balance water available, several schemes have designed. Major schemes include Parwati and Kalisindh Irrigation projects each utilizing 0.27 MAF. Utilization of water for Narmada Kshipra is 0.21 MAF, which will still leave a balance of 5.4 MAF for various other schemes.

After presentation PP was asked to submit following informations:

1. Justification for site selection.
2. The project required 4.95 ha private land, PP shall be submitted bifurcation of Government & Private land, R & R cost and details of tenants.
3. Muck disposal plan.
4. Commitment of PP regarding 0.25% i.e. 250 ha. area of the command area shall be planted in the non- forest waste lands.
5. Recurring cost of ambulance shall be added at appropriate place.
6. Revised table of EMP with R & R cost.
7. EHS policy of NVDA.
8. Corrected table of air quality data for PM2.5 & PM 10.
9. Form-2 as per OM of MoEF&CC.
10. Commitment from PP regarding fire fighting equipments will be provided in all the permanent pumping stations.

PP vides letter dtd. 05.03.2019 submitted reply of the above query. The query reply was placed before the committee which was found satisfactory and acceptable hence the case was recommended for grant of prior EC for ISP - Parwati Phase I & II Micro Lift Irrigation Scheme, Near Village - Piplaya, Tehsil - Satwas, Distt. -Dewas, (M.P.) Cultivable Command Area – 1,00,000 Ha. of command area in Sehore district of M.P. by lifting water from Indira Sagar Project Reservoir and delivering it by pressurized pipeline system for micro irrigation with the duty of 0.3204 Ips/hectare., (Project covered 03 Districts - Shajapur, Dewas & Sehore), Cat. - 1(c) River Valley and Hydroelectric Projects. Cat. - 1(c), River Valley Project. with subject to the following special conditions and forest clearance:

**(A) PRE-CONSTRUCTION PHASE**

1. During any construction/pumping station erection, curtaining of site should be carried out to protect nearby areas.
2. Adequate arrangement to prevent incidence of any endemic health problem due to water /soil borne diseases shall be provided.
3. Adequate provisions for re-vegetation, dressing, resurfacing of burrow pits etc. should be ascertained for protecting soil erosion due to runoff during rain.
4. Burning of firewood/fuel by the construction workers for their cooking may have minor impact on the local air quality, which however can be avoided with provision of alternate cooking fuel such as kerosene or LPG gas.

5. For dust mitigation measures following measures shall be adopted:
  - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
  - No excavation of soil shall be carried out without adequate dust mitigation measures in place.
  - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - Wind-breaker of appropriate height minimum 03 meters shall be provided.
  - Water sprinkling system shall be put in place.
  - Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
  - No uncovered vehicles carrying construction material and waste shall be permitted.
  - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. Provisions shall be made for the housing of construction/ pumping station erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**(B) CONSTRUCTION PHASE**

8. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
9. Fire extinguishers should be provided on site during construction/ plant erection period.
10. First-aid facilities should be provided in the all permanent pump house stations and in the shelter home with the first –aid training to the key person.
11. Solar lighting shall be used for auxiliary supply.
12. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
13. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.



14. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
15. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
16. The proposed land use plan of the area is as follows:

<b>Land use/ Land cover Classes</b>	<b>Area (%)</b>
Deciduous Forest	3.37
Scrub Forest	1.86
Scrub Land	5.90
Agriculture/ Fallow Land	85.78
Settlement	1.40
Water body	1.69
Total	100.00

17. Waste construction material should be recycled as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
18. Plantation in patches in suitable land 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
19. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
20. Waste oil & grease generated from the pumps and standby DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016 after obtaining authorization.
21. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

22. Plantation shall be carried out by the NVDA forest division in the 0.25% i.e. 250 ha., as per submitted plan in the command area or on available degraded land/ non forest waste land area.

23. The Project consists of 04 -Pump House , 01 -BP Tanks , 02 -Distribution Chambers and 05- Rising mains - MS pipeline (31.14 Km), Gravity mains- 01 number – Main line (12.86 Km)
24. Total Power requirement for this project shall be 140.07 MW and – Auxiliary- 1.095 MW.
25. In the post-irrigation phase, farmers tend to use more fertilizers and pesticides these may result in soil and water pollution. Hence, it should be essential to use the fertilizers and pesticides in a judicious manner without causing soil and water pollution. Awareness program shall be conducted and experts should interact with the local people who will guide them on the quantity and proper application of fertilizer and Pesticides.
26. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
27. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
28. Use of Solar Energy with LED light arrangement in the pump house, site, office building should be promoted in the project area where ever possible.
29. An energy audit for energy conservation can be performed in pump site, office building, to reduce energy expense and carbon footprints.
30. All leakages will be cleaned out in the pump house to prevent wastage of water with the prescribe procedures in the regular intervals.
31. The public toilets should be made in optimum numbers so that entire command area and site should be open defecation free (ODF).
32. The project authorities should comply with the provisions made in the Water (Prevention & control) of Pollution Act 1974, and amended, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016, etc.
33. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
34. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
35. The project authorities should comply following provisions/ conditions made in the Construction and Demolition Waste Management Rules, 2016.
36. PP shall be explored for harnessing of wind power.

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

37. A total budgetary provision of Rs. 2888.42 Lakh has made for Environmental Management Plan, out of which 975.00 Lakh for Biodiversity Conservation Plan and 100.00 lakh is for Greenbelt Development.
  38. Under CSR activity PP proposed Rs. 50.0 Lakh as capital cost and Rs. 142.0 Lakh as recurring cost for different activity.
  39. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
  40. 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.
  41. All commitments pertaining to public hearing shall be mandatory on part of PP.
  42. The environment policy should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
  43. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
  44. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
  45. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  46. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
3. **Case No. - 5727/2018 Executive Engineer, Narmada Development Division No. 8, Sanawad, Distt.- Kargone, (M.P.) 450119.Reference No. for online tracking of project Details SIA/MP/RIV/21389/2017. Prior Environment Clearance for Narmada - Kshipra Link Multipurpose Project at Khasra No. 355, Village - Bakhatgarh, Dewas, Tarana, Ghatiya and Shajapur, Distt. - Ujjain, Shajapur, Dewas & Khandwa District**

**of Malwa Region. in 162 Villages. (M.P.) Capacity – 30,000 Hact. of land. Cat. - 1(c)  
River Valley and Hydroelectric Projects.**

This is a River Valley projects involving < 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

Salient features of the project, proposed TOR and other details of the project were presented before the SEAC by the PP and his consultant, which reveals following:

Overview:

Madhya Pradesh (MP) is the State of India having a geographical area of 30.8 million hectares. The state is predominantly agriculture-oriented as 80% of its population is dependent on agriculture. The net sown area of the state is 14.96 million hectares. In Narmada Valley 29 Major Projects are proposed for construction by the State with irrigation potential of 14.174 lacs hectares and installed capacity of 2434.50 MW for power generation, out of which potential of 5.74 lacs hectares has already been created by completed 5 major projects, 16 medium projects and 893 minor projects. The Govt. of M. P. under Narmada Valley Development plans has emphasized on irrigated agriculture.

Objective:

The objective of the project is to increase production of agriculture and improve the living standard of farmers in the designed command area of Ujjain, Shajapur&Dewasdistrict - Nagda area (Madhya Pradesh), by constructing Distribution Network for Micro-irrigation and also providing outlets for drinking and industrial use in Malwa region. This will lead to the utilization of limited water resources efficiently and ensure equitable assured water supply to the command area.

Project Details:

Name of the Project : Narmada-Kshipra Multipurpose Project  
Type of Project : Lift Irrigation Project  
Project Location  
i) Supply Source : Omkareshwar Reservoir

- ii) Lifting Point : Omkareshwar Reservoir in Khargone district near village Badel in forest range
- iii) Feeder : Proposed Junction structure near village Dewas Tehsil & Reservoir District Dewas
- iv) Command : In Ujjain and Shajapur districts

#### River Basin

- a) Name
- i) Lifting : Narmada Basin
- ii) Command : Sub Basin of Chambal Basin
- b) Located in : Madhya Pradesh

#### Irrigation

- Gross Command Area (GCA) : 56,774 ha
- Culturable Command Area (CCA): 30,000 ha
- Crop : Rabi - 100% (30,000ha)

#### Water Utilization

- Discharge : 15 cumec
- Annual Utilization : 0.21 MAF (261 MCM)

Estimated life of the project : 50 Years

Pump Head : Total lifting head – 497m

Pipe System : Main transmission pipeline – 69.5 km

Distribution system : piped distribution up to 2.5 Ha (HDPE/MS Pipe)

Power Requirement : 89 MW

Cost : 2215.64 Crore

B. C. Ratio : 1.95

The case was presented by the PP and their consultant in 325th SEAC meeting dated 20/08/2018, wherein during presentation it was submitted by the PP that 100 ha forest land is involved in the project, committee recommended that the application made by the PP for the FC clearance shall be submitted within 60 days and no submergence is involved in the project. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs and as per Annexure-D.:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. 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.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents with 60 days.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to

be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.

16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Risk factors with their management plan should be discussed in the EIA report.
18. Intensive flora and fauna should be studied as project is in close proximity with Ratapani Wildlife Sanctuary.

PP vide letter no 3778 dated 24/12/2018 has submit a request for amendment in TOR and also submitted revised from-1 through SEIAA vide letter dated 28/12/2018 and thus the case was placed in the meeting.

The case was presented by the PP and their consultant wherein PP submitted that previously the TOR application was submitted during the contract finalization in which lifting point was taken near village Bakhatgarh Distt- Khandwa. However during detailed investigation, it was observed that intake point is more suitable near village Badel of Khargone District instead of Bakhatgarh at Khandwa District & some part of pipeline is also passing through Indore district for which they have submitted the revised Form-I and requested that in place of districts Khandwa, Ujjain, Shajapur and Dewas revised TOR may be issued for Khargone, Indore, Dewas, Ujjain and Shajapur. The committee after deliberations accepted the request of PP considering that with the proposed revision about 10.00 ha of forest area will be saved and recommends that the revised TOR may be issued for district Khargone, Indore, Dewas, Ujjain and Shajapur as per revised from-1 and presentation made by PP.

PP has submitted EIA/EMP vide letter no. 660 dated 26/02/2019 which was forwarded through SEIAA vide letter no. 2445 dated 01/03/2019.

The case was presented by PP and their consultant wherein PP submitted that:

- As per EIA Notification of September 2006 and subsequent amendments, Irrigation Projects, listed at item 1(c) of Schedule, having culturable command area (CCA) greater than or equal to 10,000 ha and less than 50,000 ha are considered as category B1 project; and are therefore be appraised by the SEIAA.
- The project area lies in Khargone, Indore, Dewas, Ujjain and Shajapur Districts.
- The supply source is Omkareshwar Reservoir near Badel village of Khargone District

- Command area lies in Tarana & Ghatiya tehsils of Ujjain district and Shajapur tehsil of Shajapur district.
- Narmada-Kshipra Link Multipurpose Project with CCA of 30000 ha, therefore, will be appraised by SEAC.
- Study was conducted during October-December 2018; Public Hearings were conducted in Ujjain, Dewas, Shajapur, Indore and Khargone districts during February 2019.
- For lying of rising main, electrical lines and establishment of permanent structures, 79.934 ha of forest land will be diverted. Proposal for diversion has been submitted vide reference no. FP/MP/IRRIG/36595/2018 dated 22/10/2018. Part II documents submitted to the respective authority for further process and approval.
- In the proposed scheme, 15.0 cumec water from existing OSP reservoir will be lifted using 6 pumps through various combinations of Rising Mains and Gravity Mains of over 200 Km length. Out of 15 cumec discharge, 10 cumec is planned to be utilized for irrigation purpose and balance 5 cumec is planned to be utilized for drinking water and industrial use.

**100 villages will be benefitted:**

- I. 78 villages of Tarana tehsil of Ujjain district
- II. 14 villages of Ghatiya tehsil of Ujjain district,
- III. 8 villages of Shajapur tehsil of Shajapur district

- Water will be supplied during Rabi season upto 2.5 ha chak size under adequate pressure (minimum 20m head) for drip/sprinkler system to be installed by cultivators.
- The Project consists of following Components:
  - I. Pump Houses (6 numbers)
  - II. Break Pressure Tanks (3 nos.)
  - III. Distribution Chambers (2 nos.)
  - IV. Sub stations (5 nos.)
  - V. 132 KV and 33 KV Transmission lines
  - VI. Rising and Gravity Main - MS pipeline (204.35 Km)
  - VII. Distribution Network (MS/DI/HDPE) up to 20 ha Chak
  - VIII. Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak



IX. Flow & Pressure Control Valves, Air valves

After presentation PP was asked to submit following informations:

1. Justification for site selection.
2. The project required 3.08 ha private land, PP shall be submitted bifurcation of Government & Private land, R & R cost and details of tenants.
3. Muck disposal plan.
4. Commitment of PP regarding 0.25% i.e. 250 ha., area of the command area shall be planted in the non- forest waste lands.
5. Recurring cost of ambulance shall be added at appropriate place.
6. Revised table of EMP with R & R cost.
7. EHS policy of NVDA.
8. Corrected table of air quality data for PM2.5 & PM 10.
9. Form-2 as per OM of MoEF&CC.
10. Commitment from PP regarding fire fighting equipments will be provided in all the permanent pumping stations.

PP vides letter dtd. 05.03.2019 submitted reply of the above query. The query reply was placed before the committee which was found satisfactory and acceptable hence the case was recommended for grant of prior EC for Narmada - Kshipra Link Multipurpose Project at Khasra No. 355, Village - Bakhatgarh, Dewas, Tarana, Ghatiya and Shajapur, Distt. - Ujjain, Shajapur, Dewas & Khandwa District of Malwa Region. in 162 Villages. (M.P.) Capacity – 30,000 Hact. of land. Cat. - 1(c) River Valley and Hydroelectric Projects Cat. - 1(c) River Valley and Hydroelectric Projects with subject to the following special conditions and forest clearance:

**(A) PRE-CONSTRUCTION PHASE**

1. During any construction/pumping station erection, curtaining of site should be carried out to protect nearby areas.
2. Adequate arrangement to prevent incidence of any endemic health problem due to water /soil borne diseases shall be provided.
3. Adequate provisions for re-vegetation, dressing, resurfacing of burrow pits etc. should be ascertained for protecting soil erosion due to runoff during rain.
4. Burning of firewood/fuel by the construction workers for their cooking may have minor impact on the local air quality, which however can be avoided with provision of alternate cooking fuel such as kerosene or LPG gas.

5. For dust mitigation measures following measures shall be adopted:
  - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
  - No excavation of soil shall be carried out without adequate dust mitigation measures in place.
  - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - Wind-breaker of appropriate height minimum 03 meters shall be provided.
  - Water sprinkling system shall be put in place.
  - Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
  - No uncovered vehicles carrying construction material and waste shall be permitted.
  - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. Provisions shall be made for the housing of construction/ pumping station erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**(B) CONSTRUCTION PHASE**

8. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
9. Fire extinguishers should be provided on site during construction/ plant erection period.
10. First-aid facilities should be provided in the all permanent pump house stations and in the shelter home with the first –aid training to the key person.
11. Solar lighting shall be used for auxiliary supply.
12. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
13. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.

14. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
15. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
16. The proposed land use plan of the area is as follows:

<b>Land use/ Land cover Classes</b>	<b>Area (%)</b>
Deciduous Forest	6.09
Scrub Forest	1.87
Scrub Land	9.99
Agriculture/ Fallow Land	76.95
Settlement	3.98
Mining	0.26
Water body	0.86
Total	100.00

17. Waste construction material should be recycled as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
18. Plantation in patches in suitable land 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
19. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
20. Waste oil & grease generated from the pumps and standby DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016 after obtaining authorization.
21. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

22. Plantation shall be carried out by the NVDA forest division in the 0.25% i.e. 75 ha. as per submitted plan in the command area or on available degraded land/ non forest waste land area.

23. The Project consists of 06 -Pump House , 03 -BP Tanks , 02 -Distribution Chambers and Rising and Gravity Main - MS pipeline (204.35 Km). Sub stations (5 nos.)
24. Total Power requirement for this project shall be 86.95 MW and – Auxiliary- 0.962 MW.
25. In the post-irrigation phase, farmers tend to use more fertilizers and pesticides these may result in soil and water pollution. Hence, it should be essential to use the fertilizers and pesticides in a judicious manner without causing soil and water pollution. Awareness program shall be conducted and experts should interact with the local people who will guide them on the quantity and proper application of fertilizer and Pesticides.
26. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
27. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
28. Use of Solar Energy with LED light arrangement in the pump house, site, office building should be promoted in the project area where ever possible.
29. An energy audit for energy conservation can be performed in pump site, office building, to reduce energy expense and carbon footprints.
30. All leakages will be cleaned out in the pump house to prevent wastage of water with the prescribe procedures in the regular intervals.
31. The public toilets should be made in optimum numbers so that entire command area and site should be open defecation free (ODF).
32. The project authorities should comply with the provisions made in the Water (Prevention & control) of Pollution Act 1974, and amended, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016, etc.
33. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
34. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
35. The project authorities should comply following provisions/ conditions made in the Construction and Demolition Waste Management Rules, 2016.
36. PP shall be explored for harnessing of wind power.

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

37. A total budgetary provision of Rs. 2519.46 Lakh has made for Environmental Management Plan, out of which 250.00 Lakh for Biodiversity Conservation Plan and 37.50 lakh is for Greenbelt Development.

38. Under CSR activity PP proposed Rs. 39.0 Lakh as capital cost and Rs. 86.0 Lakh as recurring cost for different activity.
  39. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
  40. 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.
  41. All commitments pertaining to public hearing shall be mandatory on part of PP.
  42. The environment policy should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
  43. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
  44. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
  45. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  46. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
- 4. Case No. - 5884/2019 Shri Priyank Agrawal, Kamania, Gate Gali, Malviyaganj ward, Murwara, Dist. Katni, MP – 483501 Prior Environment Clearance for Laterite & Ochre Mines in an area of 26.0 Ha. (Laterite - 162792 tonne per annum & Ochre - 28915.2 tonne per annum) (Khasra No. 34), Village- Dundi, Tehsil - Dhimarkheda Taluka, Dist. Katni (MP)**

This is case of Laterite & Ochre Mines. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 34), Village- Dundi, Tehsil - Dhimarkheda Taluka, Dist. Katni (MP) 26.0 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 vide letter No. 203 dated: nil, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

In this meeting the PP and their consultants presented the case wherein: committee after presentation decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

1. R.L. wise geological vertical litho- log upto a water table level.
  2. Land use Plan in the five years break-up as per mining plan.
  3. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
  4. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
  5. Permission from Gram Sabha shall be required.
  6. Some houses are seeing within the lease area hence, detailed R&R plan shall be required.
  7. Transportation plan & traffic management plan should be discussed in the EIA report.
  8. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
  9. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
  10. At least 08 stations should be selected for monitoring with two stations on transportation route and results should be discussed in the EIA report.
  11. Hydro- geological study should be carried out if ground water intersection is proposed.
  12. Top soil management plan should be addressed in EIA report.
  13. Input data of modeling should be addressed in EIA along with this all back up calculation.
  14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
  15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
  16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
  17. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
5. **Case No. - 5889/2019 Shri Bhanu Gupta S/o Shri Ashok Gupta, Geeta Colony, Dal Bajar, Dist. Gwalior, MP – 474009 Prior Environment Clearance for Sand Mine in an**

**area of 1.333 Ha. (25,573 cum per annum) (Khasra No. 331/1/1), Village- Rampurghat, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 331/1/1), Village- Rampurghat, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.333 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 vide letter No. 410 dated: 21/1/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.333 ha including this mine.

The case was presented by the PP and their consultant. The PP stated that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence of flood in Ken River in the long course of time. PP further stated that, this lease was obtained under temporary permit (TP) for two years period & the method of mining will be open cast semi mechanized. During presentation, committee observed that as per the Google image (Dec. 2017) a village and village is in existence in the south – west direction approximately 200 meters away for which PP submitted that road and village are sufficiently away from the lease.

After presentation the committee asked to submit following details:

- Revised plantation scheme for 175 plants/year.
- Method of mining for 03 meter depth.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget (as capital & recurring) suggested by the committee

PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 after deliberation found that The EMS 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 'C':

- Production of Sand as per mine plan with quantity not exceeding 25,573 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 175 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs.4.48 Lakh as capital and Rs. 0.84 lakh/year as recurring cost.
- 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.
- Under CSR Rs. 0.30 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

**6. Case No. - 5900/2019 Shri Jaykumar Sanodiya S/o Shri Ramansinh Sanodiya, Prathviraj Chouhan Ward, Bhairavganj, Tehsil & Dist. Seoni, MP – 480661 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.40 Ha. (9034 cum per annum) (Khasra No. 852 Part & 856), Village- Banki, Tehsil - Seoni, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 852 Part & 856), Village- Banki, Tehsil - Seoni, Dist. Seoni (MP) 1.40 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 vide letter No. 1985 dated: 05/2/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.87 ha including this mine.

The case was presented by the PP and their consultant wherein it was observed from the Google image (Dec. 2018) that a Pakka Road is in existence on the southern side of the lease at a distance of approx. 200 meters and canal in the north side which is approx. : 90 meters. It was further observed that a village is also in existence at a distance of > 400 meters on western direction at from the lease. The Committee also suggested that PP shall be submitted revised production plan/execution plan of mine in which mine advancement approach shall be east to west and mine face will be from north to south direction to prevent any sorts of fly rocks to reach into the road/village. Further 10 meter setback shall be left as non mining area from the canal in the north side of the lease.

After presentation the committee asked to submit following details:

- Revised plantation scheme @ 280 plants/ year as suggested by committee.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget suggested by the committee.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 9,034 cum/annum.
2. 10 meter setback shall be left during mining from the canal in the north side of the lease.
3. The lease area should be clearly distinguished and permanent earmarked at the site.
4. Thick plantation shall be carryout in the periphery of the lease.
5. Six monthly occupational health survey shall be carryout
6. PP should explore possibility of using solar lights in office /rest areas.

7. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
8. No overcharging during blasting to avoid vibration.
9. Muffle blasting shall be adopted.
10. Water body in the south-western and southern side of the lease so proper fencing /precaution should be taken.
11. Mine water should not come out from the lease.
12. No explosive will be stored at mine site.
13. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
14. No dump shall be stacked outside the lease area.
15. Top soil shall be simultaneously used for the plantation.
16. 280 trees shall be planted by the PP in five years, at mine's safety barrier, approach road and at village road.
17. A budgetary provision for Environmental management Plan of Rs. 3.88 Lakh as capital and Rs. 2.36 lakh as recurring is proposed.
18. Under CSR Rs. 90,000 /year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**7. Case No. - 5908/2019 Shri Haneesh Suri, C-3, Samadhiya Colony, Lashkar, Dist. Gwalior, MP – 474003 Prior Environment Clearance for Flag Stone – 11250 Cum/Year, Gitty Stone – 33750 Cum/Year and Dust – 67500 Cum/Year in an area of 1.618 Ha. (11250 cum per annum) (Khasra No. 229/2, 245/2), Village- Agarbhatpura, Tehsil - Gwalior, Dist. Gwalior (MP)**

This is case of Flag Stone, Gitty and Dust Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 229/2, 245/2), Village- Agarbhatpura, Tehsil - Gwalior, Dist. Gwalior (MP) 1.618 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 vide letter No. ML86 dated: 08/1/2019 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (Dec. 2018) that a natural nallah is in existence on the southern-eastern side of the lease at a distance of approx. 200 meters , village road at a distance 10 meters approx. at north direction from the lease. PP also stated that the mine is on Basaltic formation and this will be loose by regular drilling and no blasting is proposed. This will be transport from pit bottoms to surface by manually or mechanically by using poclain machine and transported by Truck, Dumper.

After presentation the committee asked to submit following details:

- Revised plantation scheme for 1300 plantations as suggested by committee.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised size and nos. of settling tanks as suggested 25 (L)X 4(W)X 2.5 (D).
- Revised CSR activities with appropriate budget suggested by the committee

**8. Case No. - 5910/2019 M/s Longjian - Jitendra Jain, 107, Sacret Ward, North Block, Jagtap Chouck, Banori, Pune, MH – 411040 Prior Environment Clearance for Stone Quarry (As per Form -1) in an area of 1.0 Ha. (43,430 cum per annum) (Khasra No. 59), Village- Koyal Buddi, Tehsil - Shahpur, Dist. Betul (MP) (Temporary Permit)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 59), Village- Koyal Buddi, Tehsil - Shahpur, Dist. Betul (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 (Ekal Praman Patra) vide letter No. 330 dated: 05/2/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 1.9 ha including this mine.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (Jan. 2019) that a natural nallah is in existence on the northern - side

of the lease at a distance of approx. > 200 meters and village road at a distance 100 meters approx at Southern direction from from the lease. PP further stated that, this lease was obtained under temporary permit (TP) with two years validity & the method of mining will be open cast semi mechanized.

After presentation the committee asked to submit following details:

- Revised bench specification as suggested by committee.
- Revised plantation scheme for 900 plants/year.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 43,430 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Water body in the south-western and southern side of the lease so proper fencing /precaution should be taken.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.

15. 900 trees shall be planted by the PP in six years, at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 5,84,250=00 as capital cost and Rs. 1,61,000=00 as recurring cost.
17. Under CSR Rs. 0.20 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
18. Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
19. It being a case of TP, PP has to ensure the execution of closure plan.

**9. Case No. - 5868/2019 Shri Ramesh Prasad Rai S/o Shri Phoolchand Rai, Vill. Shrinagar, Tehsil and Dist. Tikamgarh, MP – 472001 Prior Environment Clearance for Crusher Stone Quarry in an area of 2.70 Ha. (16,530 cum per annum) (Khasra No. 146), Village- Parsuwa, Tehsil - Tikamgarh, Dist. Tikamgarh (MP)**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 146), Village- Parsuwa, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 2.70 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 of sensitive fetures within 500 meters radius, information of approved/operative mines within 500 meters of the lease and other requisite information have mentioned in the lease's Endt. no. 16132 - 34, dated 17.08.2017 wherein it is mentioned that no approved/operative mines within 500 meters of this lease.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (June 2017) that a Pucca road is in existence on the northern side of the lease at a distance of approx. 200 meters and natural stream in the south-east side at < 200 meters and is sufficiently away from the lease.

After presentation the committee asked to submit following details:

- Revised plantation nos.

- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget suggested by the committee.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 16,530 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Water body in the south-western and southern side of the lease so proper fencing /precaution should be taken.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.
15. 420 trees/ year shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 4,80,500 as capital cost and Rs. 1,45,000 as recurring cost.
17. Under CSR Rs. 70,000 /year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR

activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**10. Case No. - 5869/2019 Shri Mahendra Kumar Dubey, S/o Shri Tulsi Dutt Dubey, Village - Mukanwara, Post - Ghat Pipariya, Tehsil & Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Stone Quarry in an area of 0.780 Ha. (15000 cum per annum) (Khasra No. 234, 235 Part), Village- Mukanwara, Tehsil - Jabalpur, Dist. Jabalpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234, 235 Part), Village- Mukanwara, Tehsil - Jabalpur, Dist. Jabalpur (MP) 0.780 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 vide letter No. 3323 dated: 27/9/2018 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.15 ha including this mine.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (April 2018) that, a Pakkaa road is in existence on the southern-eastern side of the lease at a distance of approx. 55 meters and a village settlement in the north -east side at < 135 meters and is sufficiently away from the lease.

After presentation the committee asked to submit following details:

- Revised bench configuration as suggested by the committee.
- Revised plantation nos.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget (as capital & recurring) suggested by the committee.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 15,000 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Water body in the south-western and southern side of the lease so proper fencing /precaution should be taken.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.
15. 350 trees / year shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 4,64,500 as capital cost and Rs. 1,44,500 as recurring cost.
17. Under CSR Rs. 50,000 /year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**11. Case No. - 5870/2019 Shri Ankit Jain S/o Shri Santosh Kumar Jain, 917, Narayan Vihar, Gol Bazar, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Stone Mines in an area of 1.370 Ha. (23466 cum per annum) (Khasra No. 232), Village-Mukanwara, Tehsil - Jabalpur, Dist. Jabalpur (MP)**



This is case of Stone Mines. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 232), Village- Mukanwara, Tehsil - Jabalpur, Dist. Jabalpur (MP) 1.370 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 vide letter No. 3322 dated: 27/9/2018 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.15 ha including this mine.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (April 2018) that a Pakka road is in existence on the southern-eastern side of the lease at a distance of approx. 35 meters and a village settlement in the north -east side at > 200 meters and is sufficiently away from the lease.

After presentation the committee asked to submit following details:

- Revised plantation nos.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget (as capital & recurring) suggested by the committee.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 23,466 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.

6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Water body in the south-western and southern side of the lease so proper fencing /precaution should be taken.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.
15. 350 trees / year shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 4,64,500 as capital cost and Rs. 1,44,500 as recurring cost.
17. Under CSR Rs. 50,000 /year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**12. Case No. - 5872/2019 Shri Virendra Singh Solanki S/o Shri Prahlad Singh, Prahlad Puram, Manjratkha Jhansi Road, Dist. Tikamgarh, MP – 472001 Prior Environment Clearance for Crusher Stone Quarry in an area of 4.0 Ha. (90,000 cum per annum) (Khasra No. 268/1/kha/2, 268/1/kha/3, 268/1/kha/4, 268/1/kha/5, 268/1/kha/6, 268/1/kha/7), Village- Gidkhini, Tehsil - Nivari, Dist. Tikamgarh (MP)**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 268/1/kha/2, 268/1/kha/3, 268/1/kha/4, 268/1/kha/5, 268/1/kha/6, 268/1/kha/7), Village- Gidkhini, Tehsil - Nivari, Dist. Tikamgarh (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 vide letter No. - dated: 04/2/2019 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed from the Google image (October 2018) that a kachha road is in existence on the southern- side of the lease at a distance of approx. 12 meters and a village settlement in the north –west side at > 400 meters and is sufficiently away from the lease.

After presentation the committee asked to submit following details:

- Revised plantation scheme for 3200 plants.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Size of settling tank.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 90,000 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Mine water should not come out from the lease.
10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. 3200 trees shall be planted by the PP in six years, at mine’s safety barrier, approach road and at village road.

15. A budgetary provision for Environmental management Plan of Rs. 23.22 Lakh as capital cost and Rs. 2.45Lakh as recurring cost,.
16. Under CSR Rs. 1.25 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**13. Case No. - 5883/2019 Shri Manish Chandravanshi S/o Shri Virendra Singh Chandravanshi, Ashta Road, Bypass Chauraha, Infront of HP Petrol Pump, Dist. Sujalpur, MP – 466001 Prior Environment Clearance for Crusher Stone quarry in an area of 1.0 Ha. (4500 cum per annum) (Khasra No. 14/2, 15/2), Village- Chhaprimiya, Tehsil - Ichhawar, Dist. Sehore (MP)**

This is case of Crusher Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 14/2, 15/2), Village- Chhaprimiya, Tehsil - Ichhawar, Dist. Sehore (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 vide letter No. 9367 dated: 02/1/2019 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant wherein it was observed from the Google image (December 2018) that a kachha road is in existence on the southern-eastern side of the lease at a distance of approx. 40 meters and other features are sufficiently away from the lease. PP also stated that crusher is proposed north – east corner of the lease and from this site village road from the crusher is 90 meters committee asked PP to set back 10 meters from the road side.

After presentation the committee asked to submit following details:

- Revised plantation scheme for 720 plants.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Size of settling tank.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 4,500 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. The proposed crusher should be covered with 3 meters height of M.S. sheet to arrest dust pollutants. The crusher shall be installed minimum 100 meters away from the road for which 10 meters setback shall be left as non mining area.
5. Six monthly occupational health survey shall be carryout
6. PP should explore possibility of using solar lights in office /rest areas.
7. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
8. No overcharging during blasting to avoid vibration.
9. Muffle blasting shall be adopted.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.
15. 720 trees shall be planted by the PP in six years, at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 7.40 Lakh as capital cost and Rs. 1.25 Lakh as recurring cost.
17. Under CSR Rs. 0.30 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**14. Case No. - 5863/2019 M/s Shivay Minerals, Shri Nitin Dubey, Partner, AN-37, Ekta Nagar, Nepanagar, Dist. Burhanpur, MP – 450331 Prior Environment Clearance for**

**Marble Quarry in an area of 2.10 Ha. (2025 cum per annum) (Khasra No. 83, 85),  
Village- Agrabujurg, Tehsil - Udainagar, Dist. Dewas (MP)**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 83, 85), Village- Agrabujurg, Tehsil - Udainagar, Dist. Dewas (MP) 2.10 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 vide letter No. NIL dated: NIL has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation it was observed by committee that in the DFO letter no. DM/2017/99, Dtd. 04.01.02019 mentioned that lease area which is a part of 5.0 ha., of survey no. 77, 78, 83, 85 is 110 meters distance from the Forest Parcel no. 572 but the forest department after verification found that this land is under encroachment and utilized for agriculture uses from last few years, hence forest department recommended the case to Divisional Level Committee. In this context, Office of the District Mining Officer Vide letter 247/ Khanij/2016-17, Dated 07.02.2019 enclosed the minutes of the divisional level committee meeting held on 06.02.2017 in which the survey no. 77, 78, 83, 85 were issued conditional prospecting license.

In the Google image (Sep. 2018) that a kachha road is in existence on the southern- eastern side of the lease at a distance of approx. 150 meters and another kachha road is approx. 22.5 meters in the eastern side. PP stated that a few trees in the eastern end falling in the non- mineralized area and these shall not be uprooted.

After presentation, PP was asked to submit information on following:

1. Commitment of PP that no tree shall be uprooted.
2. The Marble slurry handling and management plan.
3. Revised plantation schemes as suggested during meeting for 850 plants.
4. Details of garland drains and settling tanks.
5. Revised EMP budget with include cost of occupational health survey & cost of PPEs.

PP has submitted the response of above quarries vide letter dated 05.03.2019 which was placed before the committee and the same was found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence

committee decided to recommend the case for Marble Quarry in an area of 2.10 Ha. (2025 cum per annum) (Khasra No. 83, 85), Village- Agrabujurg, Tehsil - Udainagar, Dist. Dewas (MP), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. 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.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. Retaining wall along with drain shall be provided all around the natural drain.
9. 50 meters area shall be left as non-mining area on the both sides of the natural drain.
10. Slurry tank specification (L 40 feet X W 25 feet X D 08) feet should be provided to avoid slurry discharge from the mining lease area and settling pits shall be provided for proper sedimentation and supernatant water shall be recycled back.
11. The slurry generated during mining should be stored at a designated place in the lease area in concrete tank. Dried slurry shall not be disposed off out side of the lease area.
12. PP shall explore the possibility of utilizing this dried slurry for other beneficial purposes.
13. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) & natural drain 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 850 no's of trees will be planted in the five years in the 0.462 ha., area of the lease. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
15. Transportation of material shall be done in covered vehicles through tar road.
  16. Transportation of minerals shall not be carried out through forest area.
  17. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
  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. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
  21. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

22. In the EMP Rs.8.07 lakh is proposed as capital cost and Rs. 1.70 laks as recurring cost.
23. Under CSR activity, Rs. 0.70 Lakh /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
24. 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.
25. 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.
26. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
27. PP will comply with all the commitments made vide letter dated 31.01.2019.
28. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.



**15. Case No. - 5866/2019 Shri Ashu Jain S/o Shri Rajesh Jain, Individual, 82, Ashta Road, Tehsil - Kannod, Dist. Dewas, MP – 455332 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.17 Ha. (8100 cum per annum) (Khasra No. 240/1, 240/2/2), Village- Muhai, Tehsil - Kanood, Dist. Dewas (MP)**

This is case of Crusher Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 240/1, 240/2/2), Village- Muhai, Tehsil - Kanood, Dist. Dewas (MP) 1.17 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 vide letter No. 1710 dated: 31.12.2018 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed from the Google image (November 2016) that a Pakka road is in existence on the northern – eastern side of the lease at a distance of approx. 50 meters and a natural drain in the south –west side at > 100 meters and is sufficiently away from the lease. PP stated that crusher is also proposed within the lease for which committee suggested that the crusher shall be located minimum 100 meters away from the road.

After presentation the committee asked to submit following details:

- Revised plantation scheme for 750 plants.
- Commitment of PP that crusher will be located minimum 100 meters away from the road.
- Size of garland drain.
- Revised EMP with inclusion of budget for Over-head Sprinkling System (OHS), PPE, Fire-fighting equipments, MSW disposal, first-aid, occupational health survey, and Shelter home for labours etc.
- Revised CSR activities with appropriate budget (as capital & recurring) suggested by the committee.

The PP has submitted the response of above quarries same date vide letter dated 05.03.2019, 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 shall be as per mine plan with quantity not exceeding for Stone 8,100 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. The proposed crusher should be covered with 3 meters height of M.S. tin shed to arrest dust pollutants. The crusher shall be installed minimum 100 meters away from the road.
4. Thick plantation shall be carryout in the periphery of the lease.
5. Six monthly occupational health survey shall be carryout
6. PP should explore possibility of using solar lights in office /rest areas.
7. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
8. No overcharging during blasting to avoid vibration.
9. Muffle blasting shall be adopted.
10. Mine water should not come out from the lease.
11. No explosive will be stored at mine site.
12. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
13. No dump shall be stacked outside the lease area.
14. Top soil shall be simultaneously used for the plantation.
15. 750 trees shall be planted by the PP in six years, at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 7.80 Lakh as capital cost and Rs. 1.70 Lakh as recurring cost.
17. Under CSR Rs. 40,000 /year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**16. Delisting of TOR as their validity has expired/ PP has not submitted the desired information.**

TOR's were issued to the following cases and till date neither the EIA is submitted by PP nor PP has submitted any request for TOR's validity extension and the validity of TOR is expired. Hence committee after deliberations decided that these cases may be sent to SEIAA for delisting:

<b>SN</b>	<b>Case No. Activity</b>	<b>SEAC Meeting details</b>	<b>ToR Validity</b>
1.	Case No.4714/15 Shri Tejendra Singh, M/s Digiana Industries Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Limited, G-1, M-3, Sapna Chambers, 12/1, South Tukoganj, Indore Prior Environment Clearance for Sand Mine in an area of 24.291 ha. (2,42,910 cum/year) at Khasra No.-222, Village-Ambajdeed, Tehsil-Nasrullaganj, District-Sehore (MP)	ToR Recommended in 05 <sup>th</sup> SEAC meeting date 17/02/16.	ToR Valid up to 16/02/2019.
2.	Case No.4718/15 Shri Tejendra Singh, M/s Digiana Industries Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Limited, G-1, M-3, Sapna Chambers, 12/1, South Tukoganj, Indore Prior Environment Clearance for Sand Mine in an area of 20.00 ha. (2,00,000 cum/year) at Khasra No.-223, Village-Ambajdeed, Tehsil-Nasrullaganj, District-Sehore (MP)	ToR Recommended in 05 <sup>th</sup> SEAC meeting date 17/02/16.	ToR Valid up to 16/02/2019.
3.	Case No. - 4259/2015 Shri Achin Aggarwal, Chief Executive Officer, M/s Prime Gold – SAIL JVC Ltd., 701, New Delhi House, Barakhamba Road, Cannought Place, New Delhi-110001 Prior Environment Clearance for approval of expansion of Bars & Billets Manufacturing Unit, Expansions Capacity of TMT Bars- 2,50,000 MTPA, Billets – 2,00,000 MTPA Processing Area – 12,204 M2 Project Size Area – 1,41,639.98 M2 (Existing Capacity of TMT Bars Manuf. - 28,000 MTPA, Processing Area – 12,204 M2 ) at Khasra No.- 3623, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)	ToR Recommended in 269 <sup>th</sup> SEAC meeting date 29/02/16.	ToR Valid up to 28/02/2019.
4.	Case No. - 5728/2018 M/s Lalajee Minerals, Shri Nirmal Kumar Agrawal, 96, CSA Marg, Ranapur, Dist. Jhabua, MP – 457661 Prior Environment Clearance for Manganese (Psilomelane) mining in an area of 4.99 Ha. (975 ton per annum) (Survey no. 546) at Village- Negariya, Tehsil - Jhabua, Dist. Jhabua (MP).	In the SEAC 332th meeting dated: 26/10/2018, the case was presented by PP and their consultant presented, Committee after deliberations decided that PP may submit a fresh certificate issued by the competent district authority	PP has not submitted the desired information since long. Letter was issued to PP vide No. 345 dated 19/11/2018. Reminder was also issued vide letter no. 47 dated 15/02/2019. PP has not submitted the desired

		for the distance from the lease to the Gujarat interstate boundary for further consideration of the project.	information till date thus case is recommended for delisting as per MoEF&CC OM No. J-11013/5/2009-IA-II (Part) Dated 30/10/2012.
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## **QUERY REPLY DISCUSSIONS**

**17. Case No. - 5798/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, G-13, First Floor, MIG Colony, Behind Christian Eminent School, Indore, (M.P.) – 474001. SIA/MP/NCP/84990/2018. Prior Environment Clearance for Construction of (48 + 192) High-Rise Quarters (Total Plot Area = 46225.37 sqm., Total Built-up Area = 23924.83 sqm) No. of DU's – 240 No., Number of Building Blocks- 03 No., at Khasra No. - 69, 71, GRP Land, Village - Bicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of (48 + 192) High-Rise Quarters (Total Plot Area = 46225.37 sqm. Total Built-up Area = 23924.83 sqm) No. of DU's – 240 No., Number of Building Blocks- 03 No., at Khasra No. - 69, 71, GRP Land, Village - Bicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 338<sup>th</sup> SEAC meeting dated 02/01/2019 and during presentation following details were provided.

### **Salient Features of the project:**

#### **1. Name of the Project & its location:**

Proposed Construction of (48+192) High-Rise Qtrs. at GRP Land, BicholiHapsi, Indore, Madhya Pradesh is being developed by M.P. Police Housing & Infrastructure Development Corporation Ltd. having registered address G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore (M.P.).

#### **2. Name of the Company, Address Tele No. & E-mail:**

M.P. Police Housing & Infrastructure Development Corporation Ltd.

G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore, M.P-252001

Tele. No: 0731-2422422, 7049100801

E-mail: cofirstbn@gmail.com

**3. Latitude & Longitude of the project:**

The latitude and longitude of the project of plot boundary follows:

S.NO.	Latitude	Longitude
A	22°42'54.80"N	75°55'08.02"E
B	22°42'54.61"N	75°55'13.60"E
C	22°42'53.65"N	75°55'14.42"E
D	22°42'43.09"N	75°55'06.79"E
E	22°42'43.18"N	75°55'06.39"E
F	22°42'53.17"N	75°55'06.39"E

**4. If a Joint venture, the names & addresses of the JV partners including their share.**

NA

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

Proposed Construction of (48+192) High-Rise Qtrs. at GRP Land, BicholiHapsi, Indore, Madhya Pradesh. Total project will be developed on plot area of 46225.37 sq. m. Which is part of existing police housing complex on total plot area 56220 sq. m., the built-up area of the proposed development is 23924.83 sq. m.

The site is proposed to be connected to NH-3: 0.95 KM (East), NH-59: 0.96 KM (South), NH-59A: 4.25 KM (North East) and SH-27: 5.62 KM (South East).

**6. Cost of the project:**

The total cost of the project is 36Crores.

**7. Whether the project is in Critically Polluted area.**

NA

**8. If the project is for EC under EIA Notification, 2006**

- a) For the first time appraisal by EAC
  - (i) Date of ToR: NA
  - (ii) Date of Public Hearing, location: NA
  - (iii) Major issues raised during PH and response of PP: NA
- b) Second appraisal
  - (i) Date of first /earlier appraisal: NA
  - (ii) Details of the information sought by the EAC with the response of the PP: NA

**9. If the project involves diversion of forest land**

- (i) Extend of the forest land: NA
- (ii) Status of forest clearance: NA

**10. If the project falls within 10 km of eco- sensitive area**

- (i) Name of eco- sensitive area and distance from the project site: Ralamandal wildlife sanctuary 9.76 KM (South East).
- (ii) Status of clearance from National Board for wild life: NA

**11. Waste Management**

**(i) Water requirement, source, status of clearance:** Total water demand of the project is 128 KLD out of which the fresh water demand will be 71 KLD and sourced by Nagar Palika Nigam, Indore. Treated water will be met through on site STP.

**(ii) Waste water quantity, treatment capacity, detail:** Total waste water generated from the project is 82 KLD, which will be treated on site STP having capacity of 100 KLD.

**(iii) Recycling / reuse of treated water and disposal:** 57 KLD recycled waste water will be used for flushing, DG cooling and green belt development and rest 8 KLD treated water will be discharged into public sewer.

**(iv) Solid Waste Management:** 0.61 TPD solid wastes will be generated from the proposed project and will be disposed through Nagar Palika Nigam, Indore.

**(v) Hazardous Waste Management:** Nominal amount of hazardous waste will be generated from the DG operation and will be disposed through authorized vendor.

**12. Other details**

- (i) Noise modeling with noise control measures for airports:** NA
- (ii) Details of water bodies, impact on drainage if any:** NA
- (iii) Details of tree cutting:** Not involved

(iv) **Energy conservation measures with estimated saving:** Solar energy will be used for Street and parks lighting.

(v) **Green beltdevelopment (20 % of construction projects and 33 % for others):** Proposed Green area will be 8884sqm.

(vi) **Parking requirement with provision made:** Total proposed parking is 258 ECS

### **13. If the project involves foreshore facilities**

(i) Shoreline study: NA

(ii) Dredging details, disposal of dredge material: NA

(iii) Reclamation: NA

(iv) Cargo handling with dust control measures: NA

(v) Oil Spill Contingent Management Plan: NA

### **14. If the project involves Marine disposal**

(i) NOC from PCB in case of marine disposal: NA

(ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters: NA

(iii) Location of intake / outfall. Quantity: NA

(iv) Detail of monitoring at outfall: NA

(v) Any other relevant information: NA

### **15. Other information**

(i) Investment/Cost of the project is Rs. 36(in crore).

(ii) Employment potential: About 100 labours will be employed during the construction of the project.

#### **(iii) Benefits of the project:**

- Employment will be generated during construction phase.

**16. Date of Ground water clearance: NA**

**17. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost:**

EMP costs of the project during operation phase are following.

COMPONENT	CAPITAL COST (Rs in Lacs)	RECURRING COST (Rs in Lacs)/Annum
Sewage treatment plant ( 100 kld)	18	6.6
Rain water harvesting system (3 no)	12	3
Solid waste composter (Organic Waste Converter 0.4 tpd)	7	3.5
Horticulture development	8	3.5
Roof top spv plant (8 kwp)	6.4	0.4
Environment monitoring		1.5
<b>TOTAL</b>	<b>51.4</b>	<b>18.5</b>

**18. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions: As per Form-1.**

**19. River/Nallha flowing near or adjacent to the proposed mine. If yes, please give details: Saraswati River, 6.18 KM (North East) of the proposed project.**

**Project details:**

SN	Description	Particulars	Unit
<b>GENERAL</b>			
1	Total Plot Area	56220	SQM
2	Net Plot Area	46225.37	SQM
3	Proposed Built Up Area	23924.83	SQM
4	Number of Building Blocks	03	NOS
5	Total no of DU's	240	NOS
6	Max Height of Building	42	M
7	Max No of Floors	(S+12), (B+S+6)	NOS



8	Cost of Project	36	CR
9	Expected Population	1210	PERSONS
10	Proposed Ground Coverage Area (5.14 %)	2378.06	SQM
11	Permissible FAR Area	92450.74	SQM
12	Proposed FAR Area (@ 0.33)	15315.48	SQM
13	Non FAR, & Other areas	8609.35	SQM
14	Proposed Built Up Area	23924.83	SQM
<b>WATER</b>			
15	Total Water Requirement	128	KLD
16	Fresh water requirement	71	KLD
17	Waste water Generation	81	KLD
18	Proposed STP Capacity	100	KLD
19	Treated Water Available for Reuse	65	KLD
20	Recycled Water	57	KLD
21	Surplus treated water	8	KLD
<b>RAIN WATER HARVESTING</b>			
22	No of RWH of Pits Proposed	3	NOS
<b>PARKING</b>			
23	Total Parking Required as / Building Bye Laws	258	Cars
24	Total Proposed Parking	258	Cars
25	Proposed Surface & Stilt Parking	221	Cars
26	Proposed Basement Parking	37	Cars
<b>GREEN AREAS</b>			
27	Required Green Area	4622.54	SQM
28	Proposed Green Area (19.22 % of Plot Area)	8884	SQM
<b>WASTE GENERATION</b>			

29	Municipal Solid Waste Generation	0.61	TPD
30	Quantity of E-Waste Generation-Kg/Day	3.9	KG/DAY
31	Quantity of Hazardous waste Generation	0.5	LTS/DAY
32	Quantity of Sludge Generated from STP	118	KG/DAY
<b>POWER</b>			
33	Total Power Requirement	720	KVA
34	DG set backup	160	KVA

This case was presented by the PP and their consultant in 338<sup>th</sup> SEAC meeting dated 02/01/2019, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009.

PP vide letter no. 14 dated 05/01/2019 has submitted the copy of online application submitted for WL Clearance. PP has applied online for wild life clearance with proposal no. FP/MP/Others/3772/2019 and date of submission is 04/01/2019 and thus the case was placed in agenda for appraisal.

In the SEAC 339<sup>th</sup> meeting dated 29.01.2019 this case was scheduled for the presentation and discussion 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 of SEAC for appraisal.

After presentation and discussion PP was asked to submit response on following:

1. Questionnaire for environmental appraisal along with the list of documents to be attached with the questionnaire.
2. Ornogram of the Environment Policy of the Company.
3. Since EC is for (48 + 192) high rise quarters hence necessary NOC for height clearance from Airport Authority of India is to be submitted by the PP.
4. Line diagram with its dimensions and cross section of storm water layout and domestic drain is to be submitted.

5. Revised CSR as suggested during presentation.

PP vide letter dated 19/02/2019 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Construction of (48 + 192) High-Rise Quarters (Total Plot Area = 46225.37 sqm., Total Built-up Area = 23924.83 sqm) No. of DU's – 240 No., Number of Building Blocks- 03 No., at Khasra No. - 69, 71, GRP Land, Village - Bicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.) .Category: 8(a) Building & Construction Project subject to the following special conditions and NBWL clearance:

**I. Statutory Compliance**

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain clearance from the National Board for wildlife, as project lies within the 10 kms radius of Ralamandal Abhayaran.
- iv. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- v. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vi. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vii. All other statutory clearances such as the approvals for storage of diesel from Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- viii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- ix. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

**II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Total Power Requirement for the proposed project is 720 KVA.
- v. Diesel power generating sets proposed (Capacity – 160 KVA) as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG Sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel shall be used on DG Sets. The location of the DG sets may be decided with in consultation with MP Pollution Control Board.
- vi. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vii. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- viii. Wet jet shall be provided for grinding and stone cutting.
- ix. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- x. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- xi. The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality, the ventilation provisions as per National Building Code of India shall be provided.

### III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed 71 KLD, and treated water available for reuse 65KLD.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be monitored and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. PP should explore the possibility of providing water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. Rain water harvesting recharge pits 3 nos. shall be provided for ground water recharging as per the CGWB norms.
- xii. All recharge should be limited to shallow aquifer.
- xiii. No ground water shall be used during construction phase of the project.

- xiv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xv. Sewage shall be treated in the STP 100 KLD with tertiary treatment. The treated effluent of 65 KLD from STP shall be recycled/re-used for flushing and gardening. The 8.0 KLD treated surplus water shall only be disposed in to municipal drain after having approval from the competent authority.
- xvi. No sewage or untreated effluent water would be discharged through storm water drains.
- xvii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problems from STP.
- xviii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets (Capacity– 160 KVA), noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

- iv. Solar, wind or other Renewable Energy shall be installed in meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-law's requirement, whichever is higher.
- v. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

## **VI. Waste Management**

- i. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- ii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.61TPD) shall be segregated into wet garbage and inert materials.
- iii. Organic waste (0.4 TPD) Converter within the premises with a minimum capacity of 0.3 Kg/person/day must be installed.
- iv. E-waste (3.9 Kg/d) should properly dispose of through authorized vendors.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the MP Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs, TFLs and other e-waste should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid contamination.

## **VII. Green Cover**

- i. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory

- authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii. 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 plantation scheme minimum of 1842 no's of trees to be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
  - iii. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  - iv. The 8884 sq. meters (19.22%) of total area shall be provided for green belt development as per the details provided in the project document.
  - v. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
  - vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

### **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's for 248 Nos. as proposed by PP out of which 37 are in basement and 221 surface & stilt parking.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other



agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation, provisions as per National Building Code of India shall be provided.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporation Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. In the EMP PP has proposed Rs. 12.50 lakh as capital cost and Rs. 10.85 lakh/year for recurring expenses in the construction phase of the proposed project where as Rs. 44.4.50 lakh as capital cost and Rs. 15.0 lakh/year for recurring expenses in the operation phase.
- iii. Under CER different activities the PP proposed Rs, 73.0 Lakh.
- iv. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.

- v. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

**XI. Miscellaneous**

- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iii. The proposed land use of the project is as follows:

1	Total Plot Area	56220	sq. m
2	Net Plot Area	46225.37	sq. m
	<b>Net Plot Area-Landuse Breakup</b>		
A	Open Parking Area	2200	sq. m
B	Green Area	8884	sq. m
C	Circulation Area	5347.94	sq. m
D	Ground Coverage	2378.06	sq. m
E	Undisturbed Area	27415.37	sq. m
	Total (A+B+C+D+E)	46225.37	sq. m

- iv. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other

Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

**18. Case No. - 5799/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, G-13, First Floor, MIG Colony, Behind Christian Eminent School, Indore, (M.P.) – 474001. SIA/MP/NCP/84995/2018. Prior Environment Clearance for Construction of (12 + 480) High-Rise Quarters at 1st Battalion, S.A.F., Indore, No. of DU's – 492 No., Number of Building Blocks - 06 No., (Total Plot Area = 227790 sqm., Total Built-up Area = 43474.34 sqm) at Khasra No. – 36, Village - Kashwa, Tehsil - Malharganj & Indore, (M.P.). Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of (12 + 480) High-Rise Quarters at 1<sup>st</sup> Battalion, S.A.F., Indore, No. of DU's – 492 No., Number of Building Blocks - 06 No., (Total Plot Area = 227790 sqm., Total Built-up Area = 43474.34 sqm) at Khasra No. – 36, Village - Kashwa, Tehsil - Malharganj & Dist.-Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 338<sup>th</sup> SEAC meeting dated 02/01/2019 and during presentation following details were provided.

**Salient Features of the project:**

**1. Name of the Project & its location:**

Proposed Construction of (12+480) High-Rise Qtrs. at 1st Battalion, Sadar Bazar, Indore, Madhya Pradesh is being developed by M.P. Police Housing & Infrastructure Development Corporation Ltd. having registered address G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore (M.P.).

**2. Name of the Company, Address Tele No. & E-mail:**

M.P. Police Housing & Infrastructure Development Corporation Ltd.

G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore, M.P-252001

Tele. No: 0731-2422422, 7049100801

E-mail: cofirstbn@gmail.com

**3. Latitude & Longitude of the project:**

The latitude and longitude of the project of plot boundary follows:

S.NO.	Latitude	Longitude
A	22°43'55.25"N	75°51'01.88"E
B	22°43'55.85"N	75°51'07.17"E
C	22°44'01.96"N	75°51'05.68"E
D	22°44'01.97"N	75°51'07.60"E
E	22°44'03.52"N	75°51'07.48"E
F	22°44'04.36"N	75°51'25.52"E
G	22°43'50.80"N	75°51'26.07"E
H	22°43'50.68"N	75°51'17.50"E
I	22°43'45.13"N	75°51'16.99"E
J	22°43'45.02"N	75°51'16.96"E

**4. If a Joint venture, the names & addresses of the JV partners including their share.**

NA

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

Proposed Construction of (12+480) High-Rise Qtrs. at 1st Battalion, Sadar Bazar, Indore, Madhya Pradesh. Total project will be developed on plot area of 224667 sq. m which is part of existing police housing complex on total plot area 227790 sq. m. the built-up area of the proposed development is 43474.34 sq. m.

The site is proposed to be connected to NH-3: 7.75 KM (East), NH-59: 1.47 KM (South), NH-59A:6.05 KM (South East) and SH-27: 0.01 KM (West).

**6. Cost of the project:**

The total cost of the project is 65Crores.

**7. Whether the project is in Critically Polluted area.**

NA

### **8. If the project is for EC under EIA Notification, 2006**

a) For the first time appraisal by EAC

(i) Date of ToR: NA

(ii) Date of Public Hearing, location: NA

(iii) Major issues raised during PH and response of PP: NA

b) Second appraisal

(i) Date of first /earlier appraisal: NA

(ii) Details of the information sought by the EAC with the response of the PP:  
NA

### **9. If the project involves diversion of forest land**

(i) Extend of the forest land: NA

(ii) Status of forest clearance: NA

### **10. If the project falls within 10 km of eco- sensitive area**

(i) Name of eco- sensitive area and distance from the project site: Ralamandal wildlife sanctuary 6.48 KM (South)

(ii) Status of clearance from National Board for wild life: NA

### **11. Waste Management**

**(i) Water requirement, source, status of clearance:** Total water demand of the project is 282 KLD out of which the fresh water demand will be 151 KLD and sourced by Nagar Palika Nigam, Indore. Treated water will be met through on site STP.

**(ii) Waste water quantity, treatment capacity, detail:** Total waste water generated from the project is 164 KLD, which will be treated on site STP having capacity of 200 KLD.

**(iii) Recycling / reuse of treated water and disposal:** 131 KLD recycled waste water will be used for flushing, DG cooling and green belt development.

**(iv) Solid Waste Management:** 1.23 TPD solid waste will be generated from the proposed project and will be disposed through Nagar Palika Nigam, Indore.

**(v) Hazardous Waste Management:** Nominal amount of hazardous waste will be generated from the DG operation and will be disposed through authorized vendor.

## **12. Other details**

**(i) Noise modeling with noise control measures for airports:** NA

**(ii) Details of water bodies, impact on drainage if any:** NA

**(iii) Details of tree cutting:** Not Involved

**(iv) Energy conservation measures with estimated saving:** Solar energy will be used for Street and parks lighting.

**(v) Green belt development (20 % of construction projects and 33 % for others):**  
Proposed Green Area will be 24648 sqm.

**(vi) Parking requirement with provision made:** Total proposed parking is 878 ECS

## **13. If the project involves foreshore facilities**

(i) Shoreline study: NA

(ii) Dredging details, disposal of dredge material: NA

(iii) Reclamation: NA

(iv) Cargo handling with dust control measures: NA

(v) Oil Spill Contingent Management Plan: NA

## **14. If the project involves Marine disposal**

(i) NOC from PCB in case of marine disposal: NA

(ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters: NA

(iii) Location of intake / outfall. Quantity: NA

(iv) Detail of monitoring at outfall: NA

(v) Any other relevant information: NA

**15. Other information**

(i) Investment/Cost of the project is Rs. 65(in crore).

(ii) Employment potential: About 100 labours will be employed during the construction of the project.

**(iii) Benefits of the project:**

Employment will be generated during construction phase.

**16. Date of Ground water clearance: NA**

**17. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost:**

EMP costs of the project during operation phase are following.

<b>Component</b>	<b>Capital cost (rs in lacs)</b>	<b>Recurring cost (rs in lacs)/annum</b>
Sewage treatment plant ( 200 kld)	25	7.2
Rain water harvesting system (6 no)	24	3
Solid waste composter (organic waste converter 0.7 tpd)	10	4.3
Horticulture development	12	5.4
Roof top spv plant (15 kwp)	12	0.75
Environment monitoring		1.5
<b>Total</b>	<b>83</b>	<b>22.15</b>

**18. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions:**

S.NO.	PLANT BOTANICAL NAME	COMMON NAME	HEIGHT (MM)	QUANTITY
1	DELONIX REGIA	GULMOHUR	4.60	30
2	CASSIA FISTULA	AMALTAS	2.40	10
3	JACARANDA MIMOSIFOLIA	BLUE JACARANDA	3.00	17
4	ERYTHRINA INDICA	INDIAN CORAL TREE	3.00	10
5	PLUMERIA ALBA	CHAMPA	2.40	31
6	CASSIA GRANDIS	BRAZILIAN CASSIA	2.40	32
7	BAUHINIA BLAKEANA	HONGKONG ORCHID TREE	2.40	12
8	TABEBUIA AVELLANEDAE	PINK TABEBUIA	3.00	8
9	SPATHODEA CAMPANULATA	AFRICAN TULIP TREE	4.60	32
10	SARACA THAIPINGENSIS	YELLOW ASHOKA	2.40	57
11	PHOENIX DACTYLIFERA	DATE PALMS	4.60	16
12	FICUS BENJAMINA	WEeping FIG	3.60	4
13	MIMUSOPS ELENGI	MAULSARI/ BAKUL	2.40	7
14	AZADIRACHTA INDICA	NEEM TREE	3.00	15
Total				120

S.no.	Plant botanical name	Common name	Height (mm)	Quantity
1	Tecoma gaudi chaudi (t.g.c.)	Gaudi chaudi	0.90	185
2	Bougainvillea		0.90	761
3	Enermi	Glory bower	0.90	235
4	Pandanus	Screw pine	0.60	55
5	Thevetia peruviana	Pilli kaner	0.90	39
6	Cestrum nocturnum	Raat ki rani	0.60	37
7	Jasminum sambac	Mogra	0.45	65
8	Pennisetum setaceum	Fountain grass	0.45	28
9	Hymenocallis littoralis	Spider lilies	0.45	50
10	Washingtonia filifera	Desert fan palm	1.80	9
11	Tmc (tabernaemontana c.)			147
12	Nerium indicum	Pink kaner	0.90	108
13	Ixora singaporensis	Ixora	0.45	13
14	Galphimia	Slender goldshower	0.45	80
15	Hamelia	Firebush	0.60	120
16	Bignonia venusta	Flamevine	0.45	12
17	Rhapis palm	Lady palm	0.75	14
18	Cycus palm	Sago palm	1.20	7
19	Grass ground cover			62
20	Wedelias ground cover	Creeping-		52



		oxeyes		
Total				2079

**19. Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details:**

Saraswatiriver 0.27 KM (East) of the proposed project.

**Project salient features**

SN	Description	Particulars	Unit
<b>GENERAL</b>			
1	Total Plot Area	227790	SQM
2	Net Plot Area	224667	SQM
3	Pocket Area	25420	SQM
4	Proposed Built Up Area	43474.34	SQM
5	Number of Building Blocks	6	NOS
6	Total no of DU's	492	NOS
7	Max Height of Building	42	M
8	Max No of Floors	(S+12), (G+2)	NOS
9	Cost of Project	65	CR
10	Expected Population	2454	PERSONS
11	Proposed Ground Coverage Area (1.86%)	4184.98	SQM
12	Permissible FAR Area	449334.00	SQM
13	Proposed FAR Area (@ 0.13)	28923.84	SQM
14	Non FAR, & Other areas	14550.50	SQM
15	Proposed Built Up Area	43474.34	SQM
<b>WATER</b>			
16	Total Water Requirement	282	KLD
17	Fresh water requirement	151	KLD
18	Waste water Generation	164	KLD
19	Proposed STP Capacity	200	KLD

20	Treated Water Available for Reuse	131	KLD
21	Recycled Water	131	KLD
SN	Description	Particulars	Unit
<b>RAIN WATER HARVESTING</b>			
22	No of RWH of Pits Proposed	6	NOS
<b>PARKING</b>			
23	Total Parking Required as / Building Bye Laws	865	Cars
24	Total Proposed Parking	878	Cars
25	Proposed Surface	816	Cars
26	Proposed Stilt Parking	62	Cars
<b>GREEN AREAS</b>			
27	Required Green Area	22466.7	SQM
28	Proposed Green Area (10.97)	24648	SQM
<b>WASTE GENERATION</b>			
29	Municipal Solid Waste Generation	1.23	TPD
30	Quantity of E-Waste Generation- Kg/Day	8.0	KG/DAY
31	Quantity of Hazardous waste Generation	0.9	LTS/DAY
32	Quantity of Sludge Generated from STP	170	KG/DAY
<b>POWER</b>			
33	Total Power Requirement	1476	KVA
34	DG set backup	320	KVA

This case was presented by the PP and their consultant in 338<sup>th</sup> SEAC meeting dated 02/01/2019, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009.

PP vide letter no. 15 dated 05/01/2019 has submitted the copy of online application submitted for WL Clearance. PP has applied online for wild life clearance with proposal no.

FP/MP/Others/3773/2019 and date of submission is 04/01/2019 and thus the case was placed in agenda for appraisal.

This case was scheduled for the presentation and discussion 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 of SEAC for appraisal.

In this meeting, this case was presented by the PP and their consultant, after presentation and discussion PP was asked to submit response on following:

1. Questionnaire for environmental appraisal along with the list of documents to be attached with the questionnaire.
2. Ornoqram of the Environment Policy of the Company.
3. Since EC is for (12 + 480) high rise quarters hence necessary NOC for height clearance from Airport Authority of India is to be submitted by the PP.
4. Line diagram with its dimensions and cross section of storm water layout and domestic drain is to be submitted.
5. Revised CSR as suggested during presentation.

PP vide letter dated 19/02/2019 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for construction of (12 + 480) High-Rise Quarters at 1st Battalion, S.A.F., Indore, No. of DU's – 492 No., Number of Building Blocks - 06 No., (Total Plot Area = 227790 sqm., Total Built-up Area = 43474.34 sqm) at Khasra No. – 36, Village - Kashwa, Tehsil - Malharganj & Indore, (M.P.). Category: 8 (a) Building & Construction Project subject to the following special conditions and NBWL clearance:

#### **I. Statutory Compliance**

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain clearance from the National Board for wildlife, as project lies within the 10 kms radius of Ralamandal Abhayaran.

- iv. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- v. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vi. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vii. All other statutory clearances such as the approvals for storage of diesel from Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- viii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- ix. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

## **II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Total Power Requirement for the proposed project is 1476 KVA.
- v. Diesel power generating sets proposed (Capacity – 320 KVA (02 x 160 KVA)) as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG Sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel shall be used on DG Sets. The location of the DG sets may be decided with in consultation with MP Pollution Control Board.
- vi. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and

- other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vii. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  - viii. Wet jet shall be provided for grinding and stone cutting.
  - ix. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
  - x. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
  - xi. The gaseous emission from DG (320 KVA (02 x 160 KVA)) set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  - xii. For indoor air quality, the ventilation provisions as per National Building Code of India shall be provided.

### **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed 151 KLD.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be monitored and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.

- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. PP should explore the possibility of providing water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. Rain water harvesting recharge pits 6 nos. shall be provided for ground water recharging as per the CGWB norms.
- xii. All recharge should be limited to shallow aquifer.
- xiii. No ground water shall be used during construction phase of the project.
- xiv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xv. Sewage shall be treated in the STP 200 KLD with tertiary treatment. The treated effluent of 131 KLD from STP shall be recycled/re-used for flushing and gardening.
- xvi. No sewage or untreated effluent water would be discharged through storm water drains.
- xvii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problems from STP.
- xviii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets (Capacity– 320 KVA), noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- iv. Solar, wind or other Renewable Energy shall be installed in meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-law's requirement, whichever is higher.
- v. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

#### **VI. Waste Management**

- i. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- ii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (1.123 TPD) shall be segregated into wet garbage and inert materials.
- iii. Organic waste (0.7 TPD) Converter within the premises with a minimum capacity of 0.3 Kg/person/day must be installed.
- iv. E-waste (8.0Kg/d) should properly disposed of through authorized vendors.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the MP Pollution Control Board.

- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs, TFLs and other e-waste should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid contamination.

## **VII. Green Cover**

- i. Not a tree can be felled/transplanted unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
- iii. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Total 2199 trees shall be planted by the PP, which is area wise 24648 sq. meters (10.97%) of total area shall be provided for green belt development as per the details provided in the project document.
- v. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network.



Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.

- e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - f. Traffic calming measures.
  - g. Proper design of entry and exit points.
  - h. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's for 878 Nos. as proposed by PP out of which surface & 62 stilt parking.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

#### **IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation, provisions as per National Building Code of India shall be provided.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporation Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry’s OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. In the EMP PP has proposed Rs. 14.50 lakh as capital cost and Rs. 11.85 lakh/year for recurring expenses in the construction phase of the proposed project where as Rs. 73.00 lakh as capital cost and Rs. 17.85 lakh/year for recurring expenses in the operation phase.
- iii. Under CER different activities the PP proposed Rs, 1,58,90,461.00 Lakh.
- iv. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- v. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

**XI. Miscellaneous**

- i. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ii. The proposed land use of the project is as follows:

1	Total Plot Area	227790	sq. m
2	Net Plot Area	224667	sq. m

3	Undisturbed Area (2-4)	199247	sq. m
4	Pocket Area (Area Under Development)	25420	sq. m
	Pocket Area-Landuse Breakup		
A	Open Parking Area	8475	sq. m
B	Green Area	6500	sq. m
C	Circulation Area	6260.02	sq. m
D	Ground Coverage	4184.98	sq. m
	Total (A+B+C+D)	25420	sq. m

- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

## **DISCUSSIONS BASED ON SITE INSPECTION REPORTS**

19. **Case No. - 5729/2018 Shri Narendra Kumar Mishra S/o Shri Ashok Kumar Mishra, Behind Circuit House Chattarpur, Dist. Chattarpur, MP – 471001 Pyrophyllite & Diaspore Mining in an area of 10.0 Ha. Capacity 15,447 tones at Khasra no. 687 Village-Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP).**

### **Background:**

This is case of Pyrophyllite & Diaspore mining of 10.00 ha area, located at Khasra no. 687 Village- Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP). Earlier, the Case was discussed in

332<sup>nd</sup> SEAC meeting dated 26<sup>th</sup> October 2018 wherein after presentation committee asked PP to submit an undertaking for mining operations considering the close proximity of village with response on some other issues such as OB management, Plantation, first aid & risqué operations etc. PP vide letter dated 05/10/2018 has submitted the query reply with an undertaking which is as follows and then case was recommended for EC:

1. Sufficient warning by signal is given over the entire area falling within the danger zone & ensures that all persons within such area have taken proper shelter.
2. Wet drilling is to be done in hand holes & as well as jack hammer drilling /wagon drill.
3. Suitable air respirator will be provided to drillers.
4. Drilling blasting controlled blasting well be done and not more than six holes will be blasted at a time and no hole will be charged with more than six holes will be charged with more than 350/450g of explosive at a time.
5. Muffle blasting will done to prevent flying fragments, which may cause injury to local inhabitations within danger zone.
6. Muffle blasting will be carried out by keeping sand filled bags on wire net placed in holes.

The case was appraised by SEIAA in their 512<sup>th</sup> meeting dated 12/12/2018 wherein SEIAA decided that SEAC to carryout site visit of this project as follows:

*“After deliberation the case was discussed in depth and it was found that mining is proposed to be carried out on plateau area and human habitation is located on foot hill in close vicinity of project site. PP has proposed controlled blasting for mining of minerals. There is possibility of adverse impact on human habitation due to mining. Hence, it is decided to send the case file to SEAC for site visit to verify the factual status of the site and accordingly re-appraise the case”.*

As decided, a sub- committee of SEAC, Dr. Moh. Akram Khan, Member and Shri Prashant Shrivastava, Member S visited the site on 02/02/2019. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, M.P. Pollution Control Board, Bhopal and Shri Anoop Chaturvedi, Mine Representative, accompanied the SEAC sub-committee.

### **Salient features of the project:**

The mine is for Pyrophyllite & Diaspore production located at Khasra No. 687 of Area: 10.0 Ha, Village: Paretha, Tehsil: Nowgaon, District: Chhatarpur, Madhya Pradesh. Lease area is 10.00 Ha. The proposed project site is about 43.2 km away from Chhatarpur City. Mining area is 8.6 km away from tar Road (State Highway- 42). The lease area falls under village Paretha and the nearest railway station is at Ghutai Railway Station 3.8 Km towards NE from the lease area.

During site visit, it was observed by the committee that the lease is marked by boundary pillars and village is located on the foot hill of the lease on the south-western side. No mining activities were observed during the inspection and also there were no signs of any previous mining activities. The site inspection panchnama was also made in the presence of 02 local villagers Mr. Devendra Tiwari and Mr. Lokesh Malviya which is annexed as Annexure-1. During inspection only mine representative was present and was unable to provide response to the queries of the sub-committee. Thus after detailed discussion sub-committee asked PP to provide following additional information:

1. Distance of nearest houses with their numbers from mining lease area.
2. Details of drilling & blasting proposed.
3. Revised operational plan showing safety wall towards nearby habitation on map.
4. Provision of approach and exit road with water sprinkler systems.

The IR was placed before the committee. After perusal of IR and discussion, committee observed that so far PP has not submitted the information desired by the sub-committee for consideration of the project. Committee decided that PP may be given another 30 days time to submit the information for its appraisal as per the observations of SEIAA.

20. **Case No. - 5793/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, 1558, Rishi Cottage Ratan Colony, Narmada Road, Katanga, Jabalpur, (M.P.) 482001. Prior Environment Clearance for Construction of Staff Housing for M.P. Police Housing Project “Police Department” (Total Area = 1,79,880.66 sqm. (44.45 Acres), Total Built-up Area = 73,106.56 sqm) at Khasra No. 9/5, 9/6, 9/7, 9/8, Village - Karondi, Pat. H.No. 2, Halka, Ranjhi/Chandra Shekhar Azad Ward Revenue Circle, Tehsil & Dist. - Jabalpur,(M.P.) Cat. 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of Staff Housing for M.P. Police Housing Project “Police Department” (Total Area = 1,79,880.66 sqm. (44.45 Acres), Total Built-up Area = 73,106.56 sqm) at Khasra No. 9/5, 9/6, 9/7, 9/8, Village - Karondi, Pat. H.No. 2, Halka, Ranjhi/Chandra Shekhar Azad Ward Revenue Circle, Tehsil & Dist. - Jabalpur,(M.P.)Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The Case was discussed in 337<sup>th</sup> SEAC Meeting dated 01<sup>st</sup> January 2019’ wherein committee after deliberation recommended EC to SEIAA. Later the case was discussed in the 519<sup>th</sup> SEIAA meeting dated 16/01/2019 wherein it is recorded that:-

*“The case was discussed in SEAC meeting 337<sup>th</sup> dated 01/01/19 and is recommended for grant of prior EC subject to 41 special conditions. During Presentation Committee observed “from*

*the Google image that some construction and developmental activities are going on the project site for which PP submitted that these construction & developmental activities area on western side of the project and are not the part of this project which is also evident from the location map and recent photographs attached with the project and in the presentation slides. PP further submitted that they have also submitted commitment that no construction is done at the proposed site vide letter dated 05/10/2018 which is part of the file and given till date there is no construction & development at this project site, PP further submitted that an old building is in existence within the project site with total construction area <20,000 sq meter and thus does not falls within the violation. It was also observed from the Google image that a water body is in existence near the project site for which PP submitted that this water body "Gokpur Lake" which is > 150 meters away from the nearest point of the project site and thus suitable away from the 50 meters away from the nearest point of the project site and thus suitably away from the 50 meters restriction imposed by NGT in their order dated 08/04/2013 from FRL of lake. PP further submitted that no tree cutting is proposed in this project as only shrubs/vegetation is in existence which is not failing in the tree criteria and it's an open barren land PP submitted that no litigation is pending in court of law for this project and same has been mentioned in the Form-1 submitted by them, PP also submitted that the proposed site is earmarked for residential developmental as per Jabalpur master plan, 2031*

*It is noted Hon'ble NGT Central Bench Bhopal has issued notice regarding original application no. 41/2018 Jaimanglam Jabali Foundation Vs. State of MP & Ohters. The PIL case was filed in NGT (Case NO. 41/2018 Jaimanglam Jabali Foundation V/s State of MP & Others) regarding violation of EIA Notification 2006 by PP SEIAA is respondent NO.2 in the aforesaid case.*

*Since the matter is sub-judice in Hon;ble NGT in OA 41/s018 – Jaimanglam Jabali Foundation V/s State of MP & Others, hence authority decided to visit the site by SEAC on issues raised in above petition (OA 41/2018) to verify the factual status of the project site so that authority case take necessary decision accordingly.*

*In light of above, you are requested to visit the site for verification of status of the project area. The technical file also sends to SEAC for further action".*

As per the above instructions of SEIAA, a sub-committee of SEAC comprising of Dr. Moh. Akram Khan, Member SEAC and Shri Prashant Shrivastav, Member SEAC visited the site on 03/02/2019. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, M.P. Pollution

Control Board, Bhopal and Shri Sudhir Shrivastava, Project Engineer, Shri M.P. Singh, Quarter Master (6<sup>th</sup> Batalion), Shri R. K. Haldhkar, Assistant Engineer, Shri Pankaj Wadia, Assistant Engineer, Shri Mazhar Aalam Khan, Junior Engineer, Shri Rohit Pal, Architect (Arch. Plan), Shri Shani Kumar R/o Ranjhi Basti, Jabalpur, Shri Shani Kumar R/o Ranjhi Basti, Jabalpur, Shri Akhilesh Kumar Singh R/o Ranjhi Basti, Jabalpur from the project side accompanied the SEAC team to the site.

The site inspection panchnama was also made in the presence of 02 local residenats Mr. Shani Kumar and Mr. Akhilesh Kumar Singh, Ranjhi Basti, Jabalpur which is annexed as Annexure-2.

In response to Letter No. 2026/SEIAA/2019 dated 16.01.2019 issued by SEIAA, M.P. pertaining to pending litigation before Hon'ble NGT New Delhi a Sub-Committee visited the site on 03.02.2019 and the observations are as below:

1. It was found by the sub-committee that at the site some earthwork (digging and excavation) has been done by the project proponent. The volume of excavation has been submitted by the PP and has been enclosed. Excavated stone boulders in large number and big size were found dumped along the road near the project site.

It was informed by the PP that the earthwork was done to carry out necessary geotechnical investigations to finalize the technical part of project work and its cost estimation and the stacked stone boulders were part of earlier activities not associated with this project.

2. During the site visit, PP was asked to clarify whether the project site was part of Bajrang Nagar Pahadi range to which it was informed that the land of project site belongs to MPPHC and for which they have submitted necessary revenue land records and are enclosed.
3. The sub-committee ensured during the visit and discussion that the natural drainage pattern should remain unaltered by volume and by direction at the post-construction phase. Necessary documents (drawings and design) for the storm water drain have been submitted by the PP.

4. During the visit, no permanent construction was found at site and no heavy earth moving machines were found at site. However, visible marks of bucket teeth of excavator were found clearly at the face of the hillock.
5. The proposed site has been fenced properly by barricading using the sheets. Further, it was informed that due to existence of many of their facilities like admin. Building, residential houses, parade ground and training centre etc. this particular site has been selected for construction of housing blocks.
6. During the site visit, it was found that a dense residential habitat and public road already exists in the area between the proposed site and Gokulpur Talab.
7. By observing physical site and site plan, sub-committee advised them to protect the hilltop and all its peripheral sloping sides and its foot-toe should be kept intact and unaltered. To this, the PP was asked to submitted revised location plan preserving the hilltop and by shifting one of their construction blocks towards the outer periphery of site. Necessary documents have been enclosed.

PP vide letter No. 1644 dated 13/02/2019 has submitted the information desired by the sub-committee. PP has also submitted an undertaking which is as follows:

1. निर्माण कार्य में अभी तक भूमि सर्वेक्षण (Geotechnical Testing) हेतु खुदाई का कार्य किया गया है ताकि भवनों की स्ट्रेक्चरल डिजाइन को अंतिम रूप दिया जा सके । इस कार्य हेतु बैंक हो लोडर (जे.सी.बी.) पोकलेन इत्यादि का उपयोग किया गया था जिन्हें स्थगन उपरांत कार्य योजना स्थल से हटा लिया गया है । वर्तमान में कोई भी मशीन कार्य योजना स्थल पर नहीं है । भू-सर्वेक्षण कार्य हेतु किसी भी प्रकार की ब्लास्टिंग का उपयोग नहीं किया गया है। भविष्य में भी निर्माण कार्य के दौरान ब्लास्टिंग का उपयोग से नहीं किया जावेगा ।
2. निर्माण कार्य में कार्य योजना स्थल में एनजीटी द्वारा 18/12/18 को दिये स्थगन उपरांत व पहले किसी भी प्रकार का स्थाई निर्माण कार्य नहीं किया गया है एवं स्थगन हटने तक कोई भी कार्य नहीं किया जायेगा ।
3. दक्षिण पश्चिम स्थित (पूर्व में निर्मित) हॉस्टल बिल्डिंग का निर्माण वर्ष 2016 में पूर्ण किया जा चुका है, जो कि कार्ययोजना स्थल में शामिल नहीं है ।
4. निर्माण कार्य योजना स्थल के चारों तरफ सुरक्षा की दृष्टि से बेरिकेटिंग का कार्य किया गया है । निर्माण परियोजना (Green Building Rating) ग्राह (GRIHA) में पंजीकृत है जिसके मापदण्डों में परियोजना स्थल को बेरिकेटिंग किया जाना अनिवार्य है ।
5. भविष्य में खुदाई में निकली मिट्टी एवं पत्थर का उपयोग वाहिनी के क्षेत्र में ही किया जावेगा । खुदाई निकले पत्थरों से रिटेनिंग वॉल, वाउण्ड्रीबॉल एवं पिचिंग का निर्माण कार्य प्रस्तावित है ।
6. निर्माण स्थल का भू-स्वामित्व एवं रूप वाहिनी के स्थापना के समय से पुलिस विभाग के अधिकार क्षेत्र में हैं ।
7. कार्य योजना की बाउण्ड्री के 500 मीटर दायरे में पूर्ण विकसित रहवासी कालोनियों निर्मित है ।
8. आपके द्वारा मौखिक चर्चानुसार स्थल की चोटी को सुरक्षित रखते हुए निर्माण की रूपरेखा में आंशिक परिवर्तन किया गया है । प्रस्तावित पुनरीक्षित मानचित्र की प्रति संलग्न है ।



9. दक्षिण-पश्चिम में स्थित गोकलपुर तालाब के Catchment Area का स्रोत, निर्माण के बाद भी वैसा ही रखा जावेगा, जैसा कि था उस पर कोई प्रभाव नहीं पड़ेगा ।
10. निर्माण स्थल की खुदाई से भू-जल स्तर पर कोई प्रभाव नहीं पड़ेगा ।

प्रोजेक्ट प्रापोनेंट ने नायब तहसीलदार, रांझी, जबलपुर का पत्र क्रमांक 96 दिनांक 06/2/19 भी अपने जबाब के साथ प्रस्तुत किया है जिसमें तहसीलदार द्वारा यह उल्लेखित किया गया है कि

“ न्यायालय के आदेशानुसार ग्राम करौंदी नं. बं. 504 खसरा नं. 9/5, 9/6, 9/7, 9/8 का शासकीय अभिलेख चालू वर्ष व प्रचलित नक्शाशीट वर्ष 1909-10 का मिलान किया, जिसके अनुसार ग्राम करौंदी खसरा नं. 9/5, 9/6, 9/7, 9/8 का रकबा क्रमशः 9.612 हे., 9.612 हे., 4.808 हे., 4.808 हे., एस.ए.एफ. पुलिस विभाग रांझी भू-स्वामी चालू वर्ष खसरा में दर्ज है । शासकीय अभिलेख में बजरंग नगर पहाड़ी के नाम से चालू वर्ष खसरा में कोई प्रविष्ट उक्त खसरा नम्बरों में दर्ज नहीं है । प्रचलित नक्शाशीट में भी उक्त नम्बरों में पहाड़ अलामता अंकित नहीं है” ।

Based on the above points and the facts observed during the site and after deliberate discussion on the visit, the Sub-Committee concludes that earthwork (digging and excavation) has been done by the project proponent prior to the environment clearance. Excavated stone boulders in large number and big size were found dumped along the road near the project site.

The above report of sub-committee was placed before the committee. Committee on perusal of the inspection report and after deliberations observed that the PP has started site/land preparing work by carried out earth work (digging and excavation) at site prior EC and recommends that the report may be sent to SEIAA.

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

**(Dr. A.K. Sharma)**  
**Member**

**(Shri Prashant Srivastava)**  
**Member**

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

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

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

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

**Annexure- 'A'**

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

1. 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'B'**

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

1. The amount towards reclamation of the 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
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 depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'C'**

**Standard conditions applicable for the Khodu Bharu sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. NOC of gram panchayat should be obtained for the water requirement.
12. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
13. The mining shall be carried out strictly as per the approved mining plan.

**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. 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.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.

9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
10. 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.
11. 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.
12. Grant of TOR does not mean grant of EC.
13. 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.
14. 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.
15. 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.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. The EIA report should clearly mention activity wise EMP and CSR 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 CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. 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.
21. 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.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

**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.**

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. 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.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.