

The 297th meeting of the State Expert Appraisal Committee (SEAC) was held on 08th November, 2017 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. Rubina Chaudhary, Member.
4. Dr. Sonal Mehta, Member.
5. Shri Prasant Srivastava, Member.
6. 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. - 5524/2017 Saagar MSW Solutions Private Limited, 6-3-1089/G/10 & 11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad – 500082 Prior Environment Clearance for Development of an Integrated MSW Processing and Disposal Facility at Maswasi Grant Village, Distt. - Sagar, (M.P.) Cat. -7(i) Project. Env. Cons.- Ramky Enviro Engineers Ltd. Hyderabad.**

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Sagar town and ten (10) other surrounding Urban Local Bodies, ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) currently does not comply with Solid Waste Management Rules, 2016. Government of Madhya Pradesh (GoMP), realizing the necessity of efficient waste management system, wanted to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership (PPP) basis for management of MSW generated in Sagar Town and 10 other surrounding ULBs.

Sagar Municipal Corporation, with an objective to set up an “Integrated Municipal Solid Waste Management Project” on regional basis through private participation on Design Build, part-Finance, Operate and Transfer (the “DBpFOT”) basis, adopted a one stage online competitive bidding process, and selected “Saagar MSW Solutions Private Limited

(SMSWSPL)”, for management of MSW generated in Sagar town and 10 other surrounding ULBs. Considering the population projection, the SMSWSPL proposes to establish a **350 TPD Integrated MSW Processing and Disposal Facility** in Maswasi Grant Village, Sagar District with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility (for recovery of recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Sanitary Landfill (for disposal of inerts) and Incinerator for leachate treatment/disposal, RDF disposal, and for animal carcass.

The proposed Integrated Waste Management Facility will be established in a land of about **14.38 hectares** located within Sagar town. No alternative sites were considered for development of this facility. Site Features are :

| | |
|-------------------------|---|
| Nature of the Project | Integrated MSW Processing and Disposal Facility |
| Location | Maswasi Grant Village, Sagar (23°55'38.28" N, 78°43'29.88" E) |
| Land Area | 14.38 Hectares (35.53 Acres approximately) |
| Nearest Town | Sagar Town (8 km) |
| Nearest Railway Station | Saugor railway station (8 km) |
| Nearest Airport | Dhana Airport (22 km) |
| Nearest Highway | AH 43 (0.6 km) |

Based on the waste characteristics, proposed process consists of Dry Fermentation (*anaerobic digestion*), Compost Plant (*aerobic digestion*), Refuse Derived Fuel (RDF) Facility, and Material Recovery Facility (MRF) etc.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Sagar Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is

about 0.5 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

It is estimated that it will take up to 15 months for execution of the proposed project (Integrated MSW Processing and Disposal Facility) with all the facilities proposed. Operations will continue for a minimum of about 17.5 years at this facility and will be further extended by another 5 to 10 years. The approximate cost estimate for the proposed facility is about INR 49.5 Crores. About 25 full time employees and 30 contractual employees will be employed for project operation. About 200 indirect employment will be generated for primary/secondary collection, transportation etc.

The case was presented by the PP and representatives of M/s Sagar MSW Solutions Private Limited, Hyderabad and Ramky Enviro, Hyderabad in 288th SEAC meeting dated 30/03/2017 wherein during presentation PP informed that they have started collecting the baseline data from the December, 2016. Committee after deliberations recommends to issue standard TOR as prescribed by the MoEF & CC for conducting EIA studies along with following additional TOR's:

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
2. Since the proposed site is only 100 meters away from the village road, thick green belt of 50 meters should be developed towards the road side and proposed administrative building should be atleast 200 meters away from the village road to avoid odour and revised layout and plantation scheme should be submitted with the EIA report.
3. Considering the leachates generation, geohydrological studies should be conducted and reported with the EIA report.
4. All the sensitive features and activities within 05 kms of site which will have the impact of this facility should be studied and discussed in the EIA report.
5. How the leachates will be handled be discussed in the EIA.
6. It is proposed that "animal caracals" will be incinerated. Is it possible to recover bones and utilize for other purpose?
7. MSW handling technology should be frezed for all the wastes and worst case scenario be studied and discussed in the EIA.
8. The proposed site is close to railway station, the probable impact be discussed in EIA and mitigative measures should form the part of EMP.

9. Preventive measures that will be taken to avoid occurrence of fire due to methane generation be discussed in the EIA.
10. PP and their consultant informed that they have already started EIA study including data collection, survey, monitoring etc and requested to use the same. The committee agreed to their request.

PP has submitted the EIA report vide letter dated 30/10/2017, which was forwarded by the SEIAA vide letter no. 1087 dated 31/10/2017.

The case was presented by the PP and their consultant wherein PP submitted that the proposed Development is an Integrated MSW processing and Disposal facility at Maswasi Grant village, Sagar District, Madhya Pradesh will be established in a land of about 14.38 Hectares (35.53 Acres) Maswasi Grant Village, Sagar Dist., MP . The proposal is 'New' and is for establishing an Integrated MSW Processing and Disposal Facility (350 TPD) at Maswasi Grant Village, Sagar District, Madhya Pradesh. The proposed facility will cater to Sagar town and ten (10) other surrounding ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur). The proposed facility will be established in an area of about 14.38 hectares (35.53 acres) located approximately 8 km from Sagar town. The land is provided by Nagar Palika Nigam Sagar. The nearest railway station from the site is Saugor Railway Station (8 km S) and nearest airport is Dhana Airport (23 km SE). NH-26 is approximately 600 m S from the proposed site.

There are few reserved forests near the site but there are no ecologically sensitive areas. The reserve forest present within 10 km of radius of the project site, namely Ranipura RF – 1 km (NW), Chitoli RF – 2 km (NE), Amakhurd RF – 2km (SE), Bharkera RF – 4 km (SW), Pagara RF – 6 km (SW), Lalakpatan RF – 7 km (SW), Matiya RF – 9 km (NE), Dhakuli RF – 9 km (NW), Pipariailai RF – 10 km (N), HanotaDuhaga RF – 10 km (NW). There are no known rare, endangered or ecologically significant animal and plant species, except few wild species of plants, grasses and animals that are very commonly spotted in any rural environment. Letter from forest department confirms the same.

Based on the waste characteristics, proposed process capacities consists of Dry Fermentation (anaerobic digestion) – 80 TPD, Compost Plant (aerobic digestion) – 80 TPD, Refuse Derived Fuel (RDF) Facility – 160 TPD, and Material Recovery Facility (MRF) – 30 TPD, Landfill – 70 TPD, Animal Carcass Incinerator – 5 TPD.

The water requirement for operating the proposed Integrated MSW Processing and Disposal Facility is estimated to be about 25 KLD. The water requirement during construction is

expected to be about 10 KLD. It is expected that Sagar Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers.

The total quantity of waste water generated 12 KLD. The wastewater shall be treated in treatment plant and the treated wastewater shall be reused in incinerator/landfill/greenbelt etc. As the plant is designed with a closed windrow, and best practices are followed during landfill operation, minimum quantity of leachate will be generated which either will be circulated to landfill, sprayed on landfill for dust control, use to keep the windrows moist. Any excess leachate that accumulates after following the above mentioned activities will be utilized in spray drier connected to the incinerator to bring down the high temperature of the flue gases before passing through scrubbers and other air pollution control devices. All the project solid waste will be treated in the proposed MSW facility. There will not be any hazardous waste entering into the proposed MSW facility. However, waste oil from DG set will be sent to local approved recyclers.

As Zero Liquid Discharge (ZLD) system is proposed, neither surface water nor ground water will have any impact. No negative impacts on water bodies/ rivers/ ponds have been envisaged. Runoff water from the site gets collected in a tank and if there is any overflow will be diverted to greenbelt. Leachate/runoff water will not be let out from the premises. Internal lighting shall be solar powered. Equipment to be utilized shall be energy efficient. Appropriate area allocated for vehicle parking, details are given in the Project Layout. Proposed land is virgin land, clearance of existing vegetation (bushes) is envisaged and no trees will be cut. Green belt 33% shall be maintained in the proposed land with native species.

The Public Hearing was conducted on 07.09.2017 at 11:00 am at the project site in Maswasi Grant Village, Sagar District, Madhya Pradesh. The issues of public hearing were also discussed in length as several issues of concern were raised during public hearing but facility is proposed in remote location approx 08.00 kms away from Sagar city, one km from nearby village, landfill is provided with 1.5 mm thick HDPE liners, Geo-textile media, Drainage media, Gas evacuation system and leachate collection system, proper control systems/equipments are proposed in incinerator and adequate lechate collection and disposal system from landfill site are proposed by facility operator which seems to be adequate to control pollution if operated and maintained regularly.

After presentation, PP was asked to submit response on following issues:

1. Quantification details of PPE's proposed for this facility should be provided.
2. An undertaking that "Ecosorb" will be used to control odour nuisance.

3. Revised plantation scheme as suggested during presentation.
4. An undertaking that “Zero liquid discharge” condition will be maintained.
5. An undertaking that incinerator for animal carcass shall be as per the CPCB guidelines.
6. Flow chart of “Environmental Monitoring Cell”.

PP has submitted the response to the above queries same day vide letter no. SMSWSPL/EC/2016-17/RQ/01 dated 08/11/2017 and the same was placed before the committee for perusal and necessary action. The response submitted by the PP was found adequate and satisfactory with the EIA/EMP which was presented by the PP and their consultant hence committee decided to recommend the case for grant of prior EC for proposed Development of an Integrated MSW processing and Disposal facility at Maswasi Grant village, Sagar District, Madhya Pradesh will be established in a land of about 14.38 Hectares (35.53 Acres) Maswasi Grant Village, Sagar Dist., MP subject to the following special conditions:

1. The EC shall be valid for establishing an Integrated MSW Processing and Disposal Facility (350 TPD) at Maswasi Grant Village, Sagar District, Madhya Pradesh for efficient processing and disposal of 350 TPD of waste generated from Sagar and 10 other surrounding ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) with following facilities:
 - Material Recovery Facility (30 TPD)
 - Dry Fermentation (80 TPD)
 - Aerobic Composting (80 TPD)
 - Refuse Derived Fuel (RDF) Facility (160 TPD)
 - Sanitary Landfill (70 TPD)
 - Animal Carcass Incineration (5 TPD)

(A) PRE-CONSTRUCTION PHASE

2. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
3. For dust suppression, regular sprinkling of water should be undertaken.
4. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during construction work.
5. PP will obtain other necessary clearances/NOC from respective authorities.
6. Provisions shall be made for the housing of construction/plant 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

7. PPE's such as helmet, ear muffs etc should be provide to the workers.
8. Fire extinguishers should be provided on site during construction period.
9. Black carpet road should be provided to reduce dust suppression.
10. All vehicles carrying raw material should be covered with tarpaulin and unloading/loading activities should be stopped during windy period.
11. During construction phase, a settling tank should be provided and settled water should be reused for construction purpose.
12. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
13. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
14. The landfill facility shall be developed as per the proposal submitted by PP with 1.5 mm thick HDPE liners, Geo-textile media, Drainage media, Gas evacuation system and leachate collection system. For disposal of animal carcass, an incinerator of 05TPD should be provided. Incinerator (for animal carcass), sanitary landfill and all other facilities shall be installed/developed as per the CPCB guidelines.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP 11.73 acer's area will be developed as green belt. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
16. CFL/LED should be preferred over of tube lights. PP should explore the possibility of providing solar street light.
17. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
18. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

19. Fresh water requirement for the project shall not exceed 319 KLD.
20. Land use breakup details as proposed by PP for this facility are as follows:

| S. No | Description | Area in acres | Percentage % |
|-------------------------------|-----------------------------|---------------|--------------|
| 1. | Landfill (Phase – I) | 2.92 | 8.22 |
| 2. | Landfill (Future Expansion) | 10.93 | 30.73 |
| 3. | Compost Plant/RDF Facility | 3.39 | 9.55 |
| 4. | Supporting Infrastructure | 0.76 | 2.15 |
| 6. | Roads and Drains | 2.53 | 7.11 |
| 7. | Green Belt | 11.73 | 33.00 |
| 8. | Open Area | 3.27 | 9.24 |
| Total Area of Facility | | 35.53 | 100 |

21. As proposed, the sewage and waste water shall be treated in STP and treated waste water should be used in green belt.
22. The PP will establish the adequate leachate treatment facilities to achieve the M.P. Pollution Control Board (MPPCB) zero discharge norms. As proposed, no effluent/leachate from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
23. Treated leachate shall be sprayed on landfill for dust control, keep the windrows dry and excess leachates shall be utilized in spray drier. Regular leachate quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the MPPCB.
24. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the MPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPPCB.
25. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odour

nuisance.

26. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to MPPCB regularly.
27. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
28. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
29. No hazardous and biomedical waste should be disposed off in this facility.
30. As proposed, 11.73 acer's of the project area shall be developed as green belt within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
31. All the commitments made in the Public Hearing shall be implemented by PP.
32. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
33. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

(D) ENTIRE LIFE OF THE PROJECT

34. The proposed EMP cost is Rs. 04.00 Crores and Rs. 00.36 Crores/year are proposed as recurring expenses out of which Rs. 00.50 Crores is proposed for green belt development and Rs. 00.06 Crores /year for recurring expenses for plantation in the proposed EMP of this project.
35. Under CSR activity, Rs. 30 lacks are proposed for the next 03 years in different activities and same should be implemented through respective committees.
36. 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.
37. Regular monitoring of Air, Noise, Waste Water, Solid Waste/Hazardous Waste, Ground Water and Soil etc. shall be carried out as per the norms prescribed by the M. P. Pollution Control Board.
38. 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.

39. The environmental policy with Environmental Management Cell should be prepared with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
40. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
41. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
42. In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure.
43. For avoiding vehicle congestion /traffic jam within facility premises or outside road proper turning and parking space be provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
44. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations and data should also be displayed on the main entry gate of the facility. The ambient air quality shall also be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
45. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
46. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
47. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
48. Peripheral plantation of 10 meter all around the project boundary shall be carried out using tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings. As proposed

by the PP, 110 meters front area of facility phasing road should be developed as green belt.

49. The PP should also explore the possibility of Vermicomposting within the premises.
50. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
51. 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.
52. 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. 1407/13 M/s K.C.Bagaria Sons, Prop. Sh. Madhusudan Bagaria, Station Road, P.O. & Distt. Katni (M.P.) PIN – 483501. Prior Environmental Clearance for approval of Amehta Limestone & Dolomite Mine (7.52 Ha.) production capacity-2,00,000 MTPA(Expansion) at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P). EIA Consultant: Grass Roots Research and Creation India Pvt. Ltd.

This is case of for Amehta Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P) 7.52 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in the 36th SEAC-II meeting dated 04/07/2016 wherein it was recorded that the TOR was approved in the 130th SEAC meeting dated 07/05/2013 and the same was issued to the PP vide letter no. 544 dated 29/06/2013. The validity of TOR expired on 28/06/2015. SEIAA vide their letter no. 11767 dated 11/03/2016 has sent the file for extending the validity of TOR extent. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 28/06/16. PP vide letter dated 15/06/2016 has again requested for extension in validity of TOR for one more year as twice their public hearing has been cancelled referring letter dated 25/08/2015 wherein PP has requested for TOR validity extension for two years. PP further submitted that against their request of two year extension TOR validity was extended only for one year. Committee after

deliberations recommends that the TOR validity may be extended for one year with validity up to 27/06/2017.

PP has submitted the EIA report vide letter dated 22.06.2017, which was forwarded by the SEIAA vide letter no. 884 dated 24.06.2017, in this meeting EIA was presented by the PP and their consultant. Following observation made -

The Mining Lease has been granted in favour of M/s K.C. Bagaria Sons by the State Government of M.P. for a period of 20 years w.e.f. 27.03.1995 to 26.03.2015 over an area of 7.52 Ha. The mine lease has been extended for 50 years as per MM (D&R) Amendment Act 2015 from date of grant of mine lease upto 26.03.2045. The Mining Plan along with progressive mine closure plan under rule 24(A), MCR, 1960 was approved by IBM Vide Letter No. - MP/Katni/Limestone/MPLN/R-29/2014-15 dated 25.06.2015. The ToR was granted vide letter No. 544/PS-MS/MPPCB/SEAC/TOR(130)/2013 dated 29-06-2013. The cost of proposed project is about Rs. 1.5 Crore. Environmental Study: October to December 2014. Public Hearing for the project was completed on 15.07.2016 .

Salient Feature of the Project

| | |
|--|--|
| Total Mining Lease area | 7.52 ha |
| Geographical Co-ordinates | Latitude : 24° 00'45.2" to 24° 00'54.9" North Longitude : 80°32'21" to 80°32'32.2" East |
| Probable Mineral Reserve (122) Pre-Feasibility Mineral Resource (222) | 18,82,191 tons 3,02,788 tons |
| Production Capacity | 2,00,000 TPA |
| Mining Method | Opencast other than fully mechanized method of mining. |
| Life of mine | 12 Years |
| Use of Mineral | The Limestone will be used in the steel, cement plants and lime kiln while dolomite is mainly used for calcinations in kilns for making dolo lime. |
| Required Man Power | 50 |

The reclamation plan, post mine land use and progressive greenbelt development plan

| S.No. | Particular | Existing | After Five Year | Lease Period |
|-------|---|----------|-----------------|--------------|
| 1 | Total area excavated (broken) | 3.44 | 4.80 | (6.62) |
| 2 | Area fully mined out (out of 1) | Nil | - | (6.62) |
| 3 | Area fully reclaimed (Backfilled out of 2) | Nil | - | (1.62) |
| 4 | Area rehabilitated out of 3 by afforestation | NA | - | 1.62 |
| 5 | Area reclaimed by water harvesting | Nil | - | 5.0 |
| 6 | Total area under dumps | 1.21 | 1.70 | Nil |
| 7 | Area under active dumps | 1.21 | - | Nil |
| 8 | Area under mineral stack | Nil | - | Nil |
| 9 | Area under Road | 0.30 | 0.10 | Nil |
| 10 | Area under Green belt (i.e. plantation on area other than dump and backfilled area) | 0.07 | 0.50 | 0.90 |
| 11 | Area under infrastructure | 0.02 | 0.02 | Nil |
| 12 | Undisturbed area | 2.48 | - | Nil |
| | Total | 7.52 | | 7.52 |

Site elevation, working depth, groundwater table should be provided both in AMSL and BGL.

| | |
|----------------|-----------------------------|
| Site Elevation | 383m–381m RL |
| Working Depth | 28m BGL or 355m RL |
| Water Table | 40-50 m BGL or 330-340 m RL |

During Mine operation

| | |
|--|---------------------------------------|
| Total Capacity of mine | : 2,00,000 TPA |
| No. of working days | : 275 days |
| Total Capacity of mine/day | : 727.2 TPD |
| Truck Capacity | : 16 tonnes approx. |
| No of Trucks deployed per day | : $727.2/16 = 46$ trucks |
| No of Trucks deployed /day to and fro | : $46*2 = 92$ |
| Frequency of dumpers deployed/hr and fro | : 6(approx.) one way or 12 dumpers to |

Impact of Traffic movement:

It has been estimated that there will be a total of 12 trips by 16 T dumpers per hour for transport of mineral to the destination. Other than this, no other additional vehicles are envisaged at site on a regular basis. The present road leading to the mines of length 600m will have to be strengthened and maintained for the movement of trucks and metlled at own cast by the lessee along with other mine owners.

Evacuation Route:

- 0.60km Haul roads out side ML area will be sprinkled with water to keep the dust suppressed.
- It is ensured that the covered vehicle will be used during mining operation for transport of minerals.
- Proper route management of the traffic will be done for smooth traffic movement.
- On the both side of approach road plantation will be done.
- Only PUC certified vehicle will be use.
- In 0.3 km internal road , fixed type dust sprinkler will be provided.

Total Water requirement for Dust Suppression on 0.6km approach road\out side ML area by Water tanker fitted with sprinkler –

Total length of the road is 600 meter and width = 6m

Total area of the road is $600m \times 6m = 3600$ sqm

Total water required for the 600m Road

$$= 3600\text{sqm} \times 1.2 \text{ ltr/sqm}$$

$$\text{Total water required} = 3600 \text{ sqm} \times 1.2 \text{ ltr/sqm} = 4.32 \text{ KLD.}$$

Total Water requirement for Dust Suppression in 0.3 km haul road within the ML area by fixed type sprinkler -

Total length of the road is 300 meter and width = 6m

$$\text{Total area of the road is } 300\text{m} \times 6\text{m} = 1800 \text{ sqm}$$

Total water required for the 0.30 km Road

$$= 1800\text{sqm} \times 1.2 \text{ ltr/sqm}$$

(on the assumption of 0.4 liter /sqm in one round and total spraying thrice a day)

$$\text{Hence Total water required} = 1800 \text{ sqm} \times 1.2 \text{ ltr/sqm} = 2.16 \text{ KLD}$$

Total water required for the 0.30 km Road

$$= 1800\text{sqm} \times 1.2 \text{ ltr/sqm}$$

(on the assumption of 0.4 liter /sqm in one round and total spraying thrice a day)

$$\text{Total water required} = 1800 \text{ sqm} \times 1.2 \text{ ltr/sqm} = 2.16 \text{ KLD}$$

Surface Water Management:

There is no source of surface water such as river or nalla in the lease area. There is an only seasonal water course, Tons river besides non-perennial seasonal nallas is in the buffer zone. Garland drain has been made towards northern & southern side of the ML area to prevent erosion, sedimentation, and siltation. Since there is no river or any perennial water course in the applied area, diversion will not be required. There is no toxic element in and around the applied area or in OB or ore. Hence contamination of expected for surface or any ground water source.

Design of Rain Water Harvesting system at peak rainfall value during monsoon period

Peak Rainfall in Past 10 years in monsoon period was 1800 mm

Peak rainfall on any day = 200 mm

Hence, Runoff potential on any day= 75200 m² x 0.2m x 0.2 (runoff Coeff) = **3008 m³**

| RWH Potential Calculations | | | | |
|-----------------------------------|----------------------|---------------------------|---------------------|--|
| Particulars | Area (Sq. m.) | Runoff coefficient | Rainfall (m) | Run Off Potential (m³ in monsoon period) |
| lease Area | 75200 | 0.2 | 1.80 | 27072 |

Total Capacity of Garland Drain = Area of garland Drain (m²) x Depth (m)
= 1600 sqm x 1.5m = **2400 cum**

Sump, capacity = 60m x 40m x 4m = **9600 m³**

Considering 60 rainy days

Quantum of water need to be stored due to peak rainfall on any day = 27072/60 = 452 m³

The sump will be used for storage of water and reuse in the mine area for dust suppression on road and watering of plants.

Hence Total Storage of Drain and sump on any day due to peak rain fall =

2400m³ + 9600 m³ = **12000 m³** which is much more than the rain fall on any peak rainfall day i.e. 3008 m³.

The case was presented by the PP and their consultant. During presentation it was suggested by the committee that mine should be properly fenced and recovered top soil shall be simultaneously used for the plantation. It was instructed to the PP that regular monitoring of noise and vibration should be carried out by the PP. After presentation PP was asked to submit following information and also needs to present the case again for EC as PP so far has not submitted the EC compliance report. For EC compliance report, PP submitted that they have requested long back but till dated compliance report is not issued by the MoEF&CC. PP as per recent circular of MoEF&CC issued vice letter no. J-11013/6/2010-1A II (Part) dated 07/09/2017 requested to write a letter to regional office of MoEF&CC for submission of EC compliance report within 30 days:

- Revised details of mining equipments.
- Inventory of existing plantation within the lease area.

- Management plan of top soil and details of it's stacking.
- Commitment of PP that mine should be properly fenced, recovered top soil shall be simultaneously used for the plantation and regular monitoring of noise and vibration should be carried out.
- Actual details of Reserve/Protected forest from the ML area as there are variations in the distance mentioned in EIA report on page no. 1/6,1/9 and 3/42.
- Revised EMP considering the cost of road demand made in public hearing.
- Revised top soil management plan.
- Details of minable reserves compatible to the mine life.
- Revised CSR as suggested by the committee.
- PP commitment regarding occupational health survey should be conducted every six months as per norms and over head sprinklers shall be provided for dust suppression.

3. Case No. – 1698/2013 - Shri Ajay Kumar Pathak, Semariya Chowk, Chanakyapuri, P.O. & Distt - Satna (M.P), Pin Code-485001 Environment Clearance for approval of 8.094 Ha Limestone Mine at Village - Rampurchourasi, Tehsil - Raghuraj Nagar, District - Satna, (MP).

This is a mining project pertaining to mining of limestone in an area of 13.759 Ha. Production capacity proposed is 50,000 TPA of Limestone & 25,000 TPA of Reject stone. Application was forwarded by SEIAA to SEAC for scoping so as to determine TOT to carry out EIA and prepare effective EMP for the project.

Earlier this case was scheduled in the 45th SEAC-II meeting dated 09/08/2016 wherein it was recorded that the TOR was approved in the 137th SEAC meeting dated 24/07/2013 and the same was issued to the PP vide letter no. 759 dated 22/10/2013. The validity of TOR expired on 21/10/2015. PP vide their letter dated 20.08.15 has requested for TOR extension. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 21/10/16 in the 239th SEAC meeting dated 04/11/2015.

PP vide letter dated 20/07/2016 has again requested for extension in validity of TOR for one more year as draft EIA/EMP report of the project is complete which was placed before the committee. The committee observed that the TOR validity was once extended for one year in the 239th SEAC meeting dated 04/11/2015 with validity up to 21/10/2016 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority. The Committee recommends that since PP has applied for the TOR validity extension on dated 20/07/2016, the TOR's validity can be

further extended for one more year with validity up to 20/10/2017 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

PP has submitted the EIA report vide letter dated 16/10/2017, which was forwarded by the SEIAA vide letter no. 1074 dated 25/10/2017.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP vide letter dated 07/11/2017 has requested that due to unavoidable circumstances he is not in apposition to present the case and another opportunity may be given to him. Committee after deliberations decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

4. Case No. - 2513/2015 Shri Kailash Jain Chouradiya, HIG-11, Deendayalpuram, Civil Lines, Balaghat (M.P.) Environment Clearance for approval of Miragpur Manganese Ore Mine Lease Area - 9.311 ha., Capacity- 5,000 MTPA at Khasra No. 273/1-8, 274, 275, 276/1, 276/2, 277, Vill.-Miragpur, Th.--Khairlanji, Dist-Balaghat (M.P.)

This is a Mining Project comprising mining of Manganese Ore in a lease area of 9.311 Ha. The project is proposed at Khasra No. 273/1-8, 274, 275, 276/1, 276/2, 277, Vill.-Miragpur, Th.--Khairlanji, Dist-Balaghat (M.P.). The Open-cast and Mechanized Mining is proposed in the project. Proposed production capacity in the project is 5000 MTPA.

Earlier this case was discussed in 59th SEAC-II meeting dated-11/11/2016 wherein it was observed that: *this case was discussed in 191th SEAC meeting dated-07/05/2015 wherein it was observed that: “The Open-cast and Mechanized Mining is proposed in the project. Proposed production capacity in the project is 5000 MTPA. After deliberations Committee agreed to issue TOR with inclusion of following points in the EIA / EMP in addition to standard:*

- *Plan for the waste storage / disposal with details of the height of dumps, their slopes and stabilization.*
- *Cumulative impacts to be evaluated considering the other operating / proposed mines in the area.*
- *Appropriate Evacuation plan has to be prepared and presented with road map for transport of the material from the mining site up to the main trunk.*
- *All environmental monitoring shall be conducted through approved Laboratories.*
- *EIA shall be prepared only by Accredited Consultants in the field of Mining.”*

Today this case was again placed in agenda as PP has submitted the request letter dated-10/10/2016 for amendment in the TOR with respect to capacity for Manganese Ore mine from 5000 TPA to 400 TPA only as Mining plan was approved for only 400 TPA by the IBM. Committee after perusal and discussion recommends amending the capacity in TOR from the 5000TPA to 400 TPA as per the mine plan approved by the IBM. Committee also recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

- 1. Inventory of operating / proposed mines within 2 Km around the said mine.*
- 2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.*
- 3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power considering all the existing mines within 500 meters radius.*
- 4. Any alternate route avoiding the nearby habitations.*
- 5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.*
- 6. Top soil management plan be discussed in the EIA.*

PP has submitted the EIA report vide letter dated 19/06/2017, which was forwarded by the SEIAA vide letter no. 847 dated 23/06/2017,

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 after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

5. Case No. 5241/16 M/s Metal & Minerals, MIG-II-14, Opp. Jain Temple, Housing Board Colony, Katni, and MP. Prior Environment Clearance for Manganese Mine Project in an area of 4.906 ha. (10800 T ha.) at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP)

This is case of Manganese Mine Project. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-150/1, Village-Selwa, Tehsil

- Katangi, Dist. Balaghat (MP) 4.906 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by the PP and their consultant in 35th SEAC-II meeting dated 03/07/2016 wherein it was recorded that *It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-*

1. *Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.*
2. *As per the Google image a shed is in existence very near to the ML area thus its protection plan be discussed in the EIA report.*
3. *Top soil management plan be discussed in the EIA report.*
4. *Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.*
5. *Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.*
6. *Any alternate route avoiding the nearby habitations (if any).*

PP has submitted the EIA report vide letter dated 17/10/2017 which was forwarded by the SEIAA vide letter no. 1066 dated 24/10/2017.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP vide letter dated 07/11/2017 has requested that due to unavoidable circumstances he is not in apposition to present the case and another opportunity may be given to him. Committee after deliberations decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

6. Case No. 5540/17 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1, South Tukoganj, Indore, MP (SIA/MP/MIN/62976/2017). Prior Environment Clearance for River Sand Deposit in an area of 5.600 ha. (1,20,000 cum per annum) (Khasra no. 671) at Village- Barua, Tehsil - Gourihar, Dist. Chhatarpur (MP)

This is case of River Sand Deposit quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 671) at Village- Barua, Tehsil -

Gourihar, Dist. Chhatarpur (MP) 5.600 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vide letter no.516, dated: -04/03/2017, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was presented by the PP and their consultant in the 72nd SEAC-II meeting dated 11/04/2017 *wherein during presentation it was observed as per the Google image of Jan, 2017 based on the co-ordinates provided by the PP that > 90 % of the lease area is submerged in river water. Hence after presentation, PP was asked to submit revised operational production (mine working) plan of the lease area with recent photographs of the site.*

PP has submitted the revised operational production (mine working) plan of the lease area with recent photographs of the site vide letter dated 19/06/2017 which was placed before the committee

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 after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

7. Case No. - 5583/2017 Executive Engineer, Water Resources Department, Water Resources Division No. 1, Sagar, (M.P.) Reference No. for online tracking of project details FP/MP/IRRIG/23086/2016 Prior Environment Clearance for Kadan Medium Irrigation Project at Village Ekpana Basona, Distt. - Sagar, (M.P.) CCA – 9990 ha. Cat. 1(c) River Valley Projects.

This is a River Valley projects involving < 10,000 ha. of 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.

Location Details

| S.No. | Item | Details |
|-------|--|--|
| 1 | Name of the project & its location: | Kadan Medium Irrigation Project Tehsil: Sagar, District: Sagar |
| 2 | Name of the Company, Address Tele No. & E-mail: | Madhya Pradesh, Water Resources Department O/o Executive Engineer, Water Resources Division No.1, Sagar Tele No: 07582-223809 E-Mail: eewrdno1sgr@gmail.com |
| 3 | Latitude and Longitude of the project. | 23 ^o 53' 18" N 78 ^o 39' 04" 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. | Irrigation Project New Total Land to be acquired- 754.78 Ha Total land proposed to be irrigated- 9990Ha Dam, Waste Weir, Sluice, Pressurized Pipe System At a distance of 25 Km from Sagar. |
| 6 | Cost of the project. | Rs. 385.79 crores |
| 7 | Whether the project is in Critically Polluted area. | No |
| 8 | If the project is for EC under EIA Notification, 2006 a) For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP | Applied for ToR for EC under EIA Notification, 2006. |

| | | |
|----|--|--|
| | <p>Second appraisal</p> <p>(i) Date of first /earlier appraisal</p> <p>(ii) Details of the information sought by the EAC with the response of the PP.</p> | |
| 9 | <p>If the project involves diversion of forest land:</p> <p>(i) Extend of the forest land</p> <p>(ii) Status of forest clearance.</p> | <p>248.76 Ha</p> <p>Online application for forest clearance has been made with file no FP/MP/IRRIG/23086/2016</p> |
| 10 | <p>If the project falls within 10 km of eco- sensitive area</p> <p>(i) Name of eco- sensitive area and distance from the project site</p> <p>(ii) Status of clearance from National Board for wild life.</p> | <p>No National Park/Wild Life Sanctuary/Biosphere, Eco sensitive zone or Critically/ severely polluted areas within 15Km</p> |
| 11 | <p>Waste Management</p> <p>(i) Water requirement, source, status of clearance</p> <p>(ii) Waste water quantity, treatment capacity, detail</p> <p>(iii) Recycling / reuse of treated water and disposal</p> <p>(iv) Solid Waste Management</p> <p>(v) Hazardous Waste Management</p> | <p>Waste Management shall be discussed in detail in EIA/EMP</p> |
| 12 | <p>Other details</p> <p>(i) Noise Modeling with noise control measures for airports</p> <p>(ii) Details of water bodies, impact on drainage if and</p> | <p>Noise Modeling, details of other water bodies, impact on drainage, energy conservation measures, details of tree cutting, green belt development and other details shall be discussed in detailed EIA/EMP</p> |

| | | |
|----|---|---------------|
| | <ul style="list-style-type: none"> (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made | |
| 13 | <p>If the project involves foreshore facilities</p> <ul style="list-style-type: none"> (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan | NA |
| 14 | <p>If the project involves Marine disposal</p> <ul style="list-style-type: none"> (i) NOC from PCB in case of marine disposal (ii) Details of modeling study details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 (iii) Location of intake/outfall. Quantity, (iv) Detail of monitoring at outfall (v) Any other relevant information | NA |
| 15 | Other information | 385.79 |

| | | |
|----|--|--|
| | (i) Investment/Cost of the project (in crore). (ii) Employment Potential (iii) Benefits of the project | 130000 Man Day Creation Irrigation Potential 9990 Ha. |
| 16 | Date of Ground water clearance: | NA |
| 17 | Date of mine closure approval | NA |
| 18 | Any river/Nalla flowing near or adjacent to the proposed mine. If yes, please give details. | NA |

Necessity & Project Benefits

- To provide Irrigation facility to 9990 hectares of land.
- During summer season, the ground water table lowers down substantially and the region suffers from acute shortage of water.
- Creation of reservoir will result in recharge of ground water, improvement in the ecology and will have a great positive impact on the environment of the region.

BRIEF DESCRIPTION OF THE PROJECT

- KADAN Medium Irrigation Project is proposed on River KADAN near Ekpana Basona village of Tehsil Sagar, District Sagar located at Latitude 23^o53'18" and Longitude 78^o39'04"
- The Project is envisaged to have a live storage capacity of 40.05 MCM, 0.5 MCM is reserved for drinking water and 0.5MCM is reserved for E-FLOW
- Total CCA of the Project is 9990 Ha, benefitting 42 Villages of District Sagar.
- Total Estimated cost of the project is Rs. 385.79 crores.

Hydrology

- Total catchment area of the river at dam site is 181.25 Sq km.

- 75% dependable runoff for gross catchment of project site (181.25 sq km.) has been computed as 61.10 MCM, the net available yield at project site is 42.66 MCM.
- The proposed project is located in ZONE II, as per Seismic Zoning Map of India (IS 1893:2002). There are no records of earthquakes, landslides etc. in the area.

SALIENT FEATURES OF DAM

| S.No | Particulars | Value |
|-------------|-------------------------|---|
| 1. | Top of Bund Level | R.L. 495.20 M |
| 2. | M W L | R.L. 491.65 M |
| 3. | Full Reservoir Level | R.L. 491.65 M |
| 4. | Dead Storage Level | R.L. 481.80 M |
| 5. | Deepest River Bed Level | R.L. 471.50 M |
| 6. | Top Width of Dam | 6.00 M |
| 7. | Height of Dam | 23.70 M |
| 8. | Gross storage | 42.66 MCM |
| 9. | Live storage | 40.05 MCM |
| 10. | Dead storage | 2.61 MCM |
| 11. | Length of main Dam | 2915 M |
| 12. | Length of Spillway | Spillway – 96.00 M |
| 13. | No. of Gates | 7 Nos. Radial Gate Size (11000mm x 6000mm) |

VILLAGES UNDER SUBMERGENCE

- The project requires acquisition of 754.78 Ha of land out of which private land is 439.32 Ha & forest land is 248.76 Ha and Government land is 66.70 Ha.
- Total 9 (Nine) nos. Villages are coming under submergence. Out of which 1 (One) nos. villages Named Khanpur is coming under full submergence.

RESETTLEMENT AND REHABILITATION PLAN

- Total cost of the project is Rs 385.79 Crores in which a provision for Land Acquisition and Rehabilitation is made for Rs. 149.06 Cr. In the estimate.
- Land compensation and facilities will be provided to affected families as per the “Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013”.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Since project involves 248.76 ha forest area, FC clearance should be obtained. PP should indicate the status of FC clearance in EIA report. PP has submitted the online application with reference no. FP/MP/IRRIG/23086/2016 Dated 18/08/2017 and submitted the copy of the same.
2. Detailed survey and impact on wild life and flora & founa should be studied and reported in the EIA report.
3. Safety measures for workers during construction phase shall be reported in the EIA report.
4. Details of land acquisition (754.78 ha) with documentary evidence should be submitted with EIA report.
5. Financial implication of R&R with its commitments and source of funding should be produced in the EIA.
6. Since in this project R&R is involved, primary survey of land acquisition with details of PEP's should be submitted.
7. Cost benefit analysis including environmental factors should be given in the EIA report. Environment cost benefit analysis should also be carriedout.
8. Green belt plan and catchment area treatment plan be provided in the EIA report.

9. Inventory of existing trees and their management should be provided in the EIA report.
 10. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
 11. Impact of blasting and fly rocks during dam construction should be studied and discussed in the EIA report.
 12. RF and PF under submergence with compartment number should be provided in the EIA report.
 13. Complete layout and details of proposed roads should be discussed in the EIA report.
 14. The potential risks and threats associated with the dam when it reaches FTL to the nearby villages should be discussed in the EIA.
 15. Approved Environmental policy with provision of Environmental Cell for execution and monitoring of CSR activities.
 16. The EIA report should clearly mention activitywise 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.
 17. 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.
 18. 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.
8. **Case No. - 5584/2017 Executive Engineer, Water Resources Department, Water Resources Division, Khandwa, (M.P.) Reference No. for online tracking of project details (SIA/MP/RIV/2038/2017) Prior Environment Clearance for Aulliya Medium Irrigation Project at Village Roshani/Aulliya, Distt. - Khandwa, (M.P.) CCA – 5000 ha. Cat. 1(c) River Valley Projects.**

This is a River Valley project involving < 10,000 ha. of culturable command area and hence the general conditions fall 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.

Location Details

| S.No. | Details | AULLIYA MEDIUM IRRIGATION PROJECT |
|-------|----------------|---|
| 1 | Latitude | 21 ⁰ 53' 57" N |
| 2 | Longitude | 76 ⁰ 56' 03" E |
| 3 | State | Madhya Pradesh |
| 4 | District | Khandwa |
| 5 | Tehsil / Block | Khalwa / Khalwa |
| 6. | River | Ghorapachhar |
| 7. | Accessibility | At a distance of 70 Km from Khandwa and 2 km. from Roshani village. |

SALIENT FEATURES OF PROJECT

| S.No | Particulars | Value |
|------|-------------------------|----------|
| 1. | Top of Bund Level | 358.00 M |
| 2. | M W L | 355.00 M |
| 3. | Full Reservoir Level | 355.00 M |
| 4. | Dead Storage Level | 346.10 M |
| 5. | Deepest River Bed Level | 337.50 M |
| 6. | Top Width of Dam | 5.00 M |

| | | |
|-----|--------------------|-----------------------------------|
| 7. | Height of Dam | 20.80 M |
| 8. | Gross storage | 26.246 MCM |
| 9. | Live storage | 22.199 MCM |
| 10. | Dead storage | 0.785 MCM |
| 11. | Length of main Dam | 1782 M. (Including Spill and NoF) |
| 12. | Length of Spillway | 72.50 M Central Spillway |
| 13. | No. of Gates | 06 No.(10000 mm x 5000 mm) |

Other Details

| | | |
|---|--|--|
| 1 | Existing infrastructure | <ul style="list-style-type: none"> • Rail Connectivity – Chhanera (40 Km.) • NH Accessibility – NH 59A 100 km. • Airport facility – Indore (200 Km.) |
| 2 | Resources Availability | <ul style="list-style-type: none"> • Water– From Ghorapachhar River • Cement / Steel – Chhanera (35 Km.) • Metal – Roshani (05 Km.) • Sand - Ghorapachhar Nalla (11 Km.) • Soil for Earthen Dam – From the Submergence area (1.90 Km) • Human Resource for Concrete Work – Locally Available |
| 3 | Environmental consideration (within 10 km radius from proposed | <ul style="list-style-type: none"> • No National Park/Wild Life Sanctuary/ Biosphere Reserve/ Protected area. • No Eco sensitive zone |

| | | |
|--|---------------|--|
| | project site) | <ul style="list-style-type: none"> • No Critically/ severely polluted areas • No Interstate boundary |
|--|---------------|--|

Necessity & Project Benefits

- Khalwa is DPAP block of MP and during summer season, the ground water table lowers down substantially and the region suffers from acute shortage of water.
- Habitants of Khalwa are tribes.
- Percentage irrigation of the block is around 12.9%.
- Scheme is proposed to provide Irrigation facility to 5000 hectares of land.
- Project will help in up gradation of the socio-economic status of the area.
- As Khalwa is covered with forest cover, creation of reservoir will result in recharge of ground water, improvement in the ecology and will have a great positive impact on the environment of the region.

Brief Description of The Project

- Aulliya Medium Irrigation Project is proposed on River Ghorapachhar near Roshani village of Tehsil Khalwa, District Khandwa located at Latitude 21^o53'57"N and Longitude 76^o56'03"E.
- The Project is envisaged to have a live storage capacity of 22.199 MCM.
- Total CCA of the Project is 5000 Ha, benefitting 21 nos. villages of District Khandwa.
- Total Estimated cost of the project is Rs. 165.08 crores.

HYDROLOGY

- Total catchment area of the river at dam site is 108.208 Sq km.
- 75% dependable runoff for gross catchment of project site (108.208 sq km.) has been computed as 23.235 MCM which is net available yield as there is no upstream use.
- Hydrology of the dam has been approved by the CE, BODHI Bhopal Vide Endt no.42/Bodhi/Hyd/497-Y/13 Bhopal Dated 06/02/2013 .
- The proposed project is located in ZONE III, as per Seismic Zoning Map of India (IS 1893:2002). Seismic factors shall be used in design of the project.

DETAILS OF SUBMERGENCE AREA

- Total area affected in the project : 487.06 Ha
- Forest in submergence- : 54.60 Ha
- Culturable land in submergence- : 384.44 Ha
- Revenue land in submergence- : 48.02 Ha

VILLAGES UNDER SUBMERGENCE

- Total 04 nos. Villages are coming under partial submergence. (Pipliyabhoju, Roshani, Barakund, Bhojudhana)
- 30 Nos. kachcha houses of Barakund village are coming under submergence.
- Total cost of the project is Rs 165.08 Crores in which a provision for Land Acquisition and Rehabilitation is made for Rs. 71.93 Crores in the estimate.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Since project involves 54.60 ha forest area, FC clearance should be obtained. PP should indicate the status of FC clearance in EIA report. PP has submitted the online application with reference no. FP/MP/IRRIG/29552/2017 and submitted the copy of the same.
2. Detailed survey and impact on wild life and flora & founa should be studied and reported in the EIA report.
3. Safety measures for workers during construction phase shall be reported in the EIA report.
4. Details of land acquisition with documentary evidence should be submitted with EIA report.
5. Financial implication of R&R with its commitments and source of funding should be produced in the EIA.
6. Since in this project R&R is involved, primary survey of land acquisition with details of PEP's should be submitted.
7. Cost benefit analysis including environmental factors should be given in the EIA report. Environment cost benefit analysis should also be carriedout.
8. Green belt plan and catchment area treatment plan be provided in the EIA report.
9. Inventory of existing trees and their management should be provided in the EIA report.

10. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
 11. Impact of blasting and fly rocks during dam construction should be studied and discussed in the EIA report.
 12. RF and PF under submergence with compartment number should be provided in the EIA report.
 13. Complete layout and details of proposed roads should be discussed in the EIA report.
 14. The potential risks and threats associated with the dam when it reaches FTL to the nearby villages should be discussed in the EIA.
 15. Approved Environmental policy with provision of Environmental Cell for execution and monitoring of CSR activities.
 16. The EIA report should clearly mention activitywise 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.
 17. 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.
 18. 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.
9. **Case No. – 2844/2015 Shri Suresh Kumar Dubey, DGM (Geology), M.P. State Mining Corporation Ltd., Vanshroop Ward, Bhatatha Mohalla, Katni (MP)-483501 Sand Quarry Lease Area- 4.049 ha.Capacity - 1,50,000 cum/year, at Khasra No. – 29, 117, Vill.-Salaiya, Teh.-Manpur, District-Umariya (MP)**

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. – 29, 117, Vill.-Salaiya, Teh.-Manpur, District-Umariya (MP) 4.049 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO.

The case was earlier discussed in the 71st SEAC-II meeting dated 10/04/2017 wherein during deliberations *the case was discussed in the 242nd SEAC meeting dated 07/11/2015 wherein during deliberations PP informed that they have submitted revised mine plan with*

reduction in capacity and thus their case be considered only after the receipt of the same. Considering the same, the case has been deferred till receipt of the same through SEIAA.

SEIAA vides their letter no. 11771/SEIAA/16 dated 11/03/2016 have forwarded the replenishment plan of the above lease along with revised mine plan received in SEIAA on dated 01/01/2016 wherein as per the approved mine plan the sanctioned capacity is reduced from 1,50,000 cum/year to 40,490 cum/year. PP has also submitted combined single certificate of collector Umaria stating no mine within 1000 meter radius of this mine.

Committee observed that in certain cases revised mine plans duly approved by competent authority are submitted by the concerned project proponents, where in the volume of sand to be evacuated is considerably reduced without providing technical reasons in the sanctioning letter. This will directly result in reduction in revenue to the Govt. SEIAA may like to take up this matter with the concerned authorities.

As above, the case was presented by the PP and their consultant wherein it was observed that a kachha road is passing through the lease area which is probably used by the villagers for crossing and thus committee decided that atleast 25 meter area on both side of the lease be left by the PP.

During presentation, it was also observed that as per the certificate issued by the DFO, bandhavgarh Tiger Reserve is at a distance of 5.6 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/317/2015 and date of submission is 06/11/2015.

The submission made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- *Production of Sand as per mine plan with quantity not exceeding 40,490 cum/year.*
- *District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.*
- *Evacuation of sand should not be allowed through the roads passing through the villages.*
- *Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.*
- *If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.*

- *The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.*
- *No diversion of active channel should be allowed for mining.*
- *The grant of Environmental Clearance should be subject necessary Wild Life Clearance from NBWL to be obtained by PP.*

The EC was granted to this lease as per the decision taken in the 317th SEIAA meeting dated 12/04/2016. SEIAA vide letter no. 5681/SEIAA/17 dated 25/03/2017 has sent the file back to SEAC stating that ED, MP State Mining Corporation has submitted a letter no. 1218 dated 15/02/2017 mentioning that in the gazette of India published on 14/12/2016, the Eco-sensitive zone in case of Bandhavgarh Tiger Reserve has been fixed with an extent of 2.00 kms from the boundary of the Bandhavgarh national Park and desired that the specific condition of wild life clearance from NBWL should be withdrawn which was kept before the committee.

The case was scheduled for the presentation and discussion toady wherein PP remains absent. On perusal of the case file it was observed by the committee that as per the certificate issued vide letter no. 3199 dated 05/08/2015 by the Dy. Director, Bandhavgarh Tiger Reserve, Umaria stating that the lease is at a distance of 5.6 kms (a Notified PA) from core zone and 2.70 kms from the buffer zone of Bandhavgarh Tiger Reserve. However in the gazette of India SO No. 4027 (E) published on 14/12/2016, the Eco-sensitive zone in case of Bandhavgarh Tiger Reserve has been fixed with an extent of 2.00 kms from the boundary of the Bandhavgarh National Park. Since the certificate issued by the Dy. Director, Bandhavgarh Tiger Reserve, Umaria stating that the lease is at a distance of 5.6 kms (a Notified PA) from core zone and 2.70 kms from the buffer zone of Bandhavgarh Tiger Reserve is becomes inconclusive as the distance is desired from the boundary of Bandhavgarh National Park not from the core zone or the buffer zone. Thus committee after deliberations decided that PP may be asked to obtain revised certificate from the competent authority stating the actual distance of the lease form the boundary of the Bandhavgarh National Park in accordance with the gazette of India SO No. 4027 (E) published on 14/12/2016 for further consideration of the representative submitted by them.

The case was presented by the PP (OIC, Sub-regional office, The MP State Mining Corporation, Katni) wherein PP informed that (vide letter dated 03/11/2017 received on

08/11/2017) Joint Director, Bandhavgarh Tiger Reserve, Umaria has issued fresh certificate vide letter no. 4461 dtd. 28.08.2017 in which the distance of QL area from core zone of Bandhavgarh Tiger Reserve is 4.78 km and from buffer zone is 2.77 km. PP further submitted that Joint Director, Bandhavgarh Tiger Reserve, Umaria has stated in the same letter that they have no objection for renewal/sanction of this mining lease.

Based on above submission of PP, committee observed that GOI, MoEF&CC vide notification in Gazette of India SO No. 4027 (E) published on 13/12/2016 has demarcated the Eco-sensitive zone in case of Bandhavgarh Tiger Reserve with an extent of 2.00 kms from the boundary of the Bandhavgarh national Park. Since the QL is 2.77 kms away from the buffer zone of Bandhavgarh Tiger Reserve and Joint Director, Bandhavgarh Tiger Reserve, Umaria have no objection for renewal/sanction of mining lease, committee after deliberations recommends that the condition “*The grant of Environmental Clearance should be subject necessary Wild Life Clearance from NBWL to be obtained by PP*”, imposed in the 71st SEAC meeting dated 10/04/2017 may be delete on the basis of documents submitted by the PP. The other conditions shall remain unchanged.

10. Case No. – 2853/2015 Shri Mukul Khampariya, Mahagawan Road, Khitola, Post-Sihora, Jabalpur (MP)-483225 – For TOR Bijiyani Iron Ore & Manganese Deposit Lease Area- 27.610 ha., Capacity – 1,59,992 TPA, at Khasra No. – 101, Village-Bijiyani, Tehsil-Sihora, District-Jabalpur (MP)

This is a case of mining of Bijiyani Iron Ore & Manganese Deposit and beneficiation of the ore within the lease area. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the proposed project. The salient features of the project, PFR and proposed TOR were presented by the PP and his consultant before the committee in this meeting. It is revealed that, the proposed site is located Khasra No. – 101, Village-Bijiyani, Tehsil-Sihora, District-Jabalpur (MP) - 27.610 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was discussed in the 209th SEAC meeting dated 24/07/2015 wherein after deliberations committee approved *standard TOR in prescribed by MoEF & CC with addition of following points:*

1. *Contour study with mitigation plan for protection of water bodies within 10 Km radius around the site to be dealt in detail.*

2. *Evacuation plan to be detailed out with protection / mitigation measures where ever required.*
3. *Special plan for house keeping with special reference to the drainage management plan with in the lease area supported with maps and drawings.*
4. *Plans for controlling the fugitive emissions from the project.*
5. *Satellite imagery with high resolution to be furnished.*

PP vide letter dated 24/06/2017 has requested for amendment in TOR submitting that in Form-1, PFR and TOR presentation the production capacity of Iron Ore was 1,54,683 TPA and Manganese Ore was 5309 TPA with total capacity of 1,59,992 with beneficiation plant of 5,00,000 TPA while in the TOR letter issued to was issued to him only for 1,54,683 TPA.

The case was presented by the PP wherein PP submitted that their total quantity should be amended from 1,54,683 TPA to 1,59,992 TPA for Iron and Manganese ore. The committee on perusal of case files, presentation made by the PP earlier, minutes of 209th SEAC meeting dated 24/07/2015 and TOR letter issued by the SEAC vide letter no. 1401 dated 09/09/2015 observed that it's a typographical error and amended TOR may be issued to PP for Iron Ore 1,54,683 TPA and Manganese Ore 5309 TPA with total capacity of 1,59,992 alongwith beneficiation plant of 5,00,000 TPA.

DISCUSSION ON QUERY RESPONSE SUBMITTED BY PP OR THE PROJECT ISSUES RECEIVED FROM SEIAA / PENDING FROM A LONG TIME FOR WANT OF DESIRED INFORMATION

11. Case No.-5508/2017 M/s Digiana Industries Pvt Ltd, G-1, Sapna Chambers, 12/1, South Tukoganj, Indore, MP – 460001 (SIA/MP/MIN/62148/2017). Prior Environment Clearance for Sand Deposit Quarry in an area of 8.0 ha. (75,000 cum per annum) (Khasra no. 01) at Village- Pratapur, Tehsil - Sounsar, Dist. Chhindwara (MP) Letter No. 218 dated: 31/3/2017 and Reminder letter no. 483 dated: 29/6/2017

This is case of Sand Auction Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 01) at Village- Pratapur, Tehsil - Sounsar, Dist. Chhindwara (MP) 8.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-patr vide letter no. 316 dated: 27/02/2016 has reported that there are no more mines operating or proposed within 500 meters.

The case was presented by the PP and their consultant in the 69th SEAC-II meeting dated 07/03/2017 wherein during presentation it was observed that as per the Google image of January, 2017 a road bridge is in existence in the middle of the lease and thus 250 mts area is to be left from the both side of the bridge and approx. 50 % lease area will become non minable. Hence committee after discussion asked PP to submit revised Operational Production Plan of the lease leaving 250 meter area from the both side of the road bridge as non mining zone for further consideration of this project.

PP was also informed to submit above information vide letter No. 218 dated: 31/3/2017 and Reminder letter no. 483 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

12. Case No. - 1383/2013- M/s Jindutt Minerals Pvt. Ltd., 6th km Sagar Road, Dhadari, P.O. & Distt. – Chhatarpur (M.P.) - 471001 For -ToR Bajna Dolomite Mine at Survey No. – 442/1, Village - Bajna, Tehsil- Bijawar, Distt. – Chhatarpur (M.P.). Lease Area – 10.0 Ha. Capacity – 1, 00,000 TPA, Lease Period – 20 Year. Env. Consultant: GRC India (P) Ltd. Noida)

This is a case of mining in an area of 10 hectare. Mining of dolomite with production capacity to the tune of 1.0 lack TPA is proposed in the project. The project is covered under EIA Notification and mentioned at SN 1 (a). It is reported that the project do not attract the general conditions therefore falls under category 'B' and thus requires prior EC from SEIAA. The application and relevant documents were forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA study and prepare EMP for the project.

Earlier this case was scheduled in 23rd SEAC-II meeting dated 06/05/2016 wherein it was recorded that the TOR was approved in the 128th SEAC meeting dated 26/04/2013 and the

same was issued to the PP vide letter no. 712 dated 25/09/2013. The validity of TOR expired on 24/09/2015. PP vide their letter dated 22.12.15 has requested for TOR extension. As per MoEF&CC OM No. J-11011/41/2006-IA.II (I) (Part) dated 20/03/2015 the validity of TORs is extended up to three years which can further be extended by a maximum period of one year provided application is made by the PP at least 03 months before the expiry of the validity period. PP has submitted the application for the same on 22/12/2015. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 23/09/17 as per MoEF&CC OM No. J-11011/41/2006-IA.II (I) (Part) dated 20/03/2015.

The above case was placed before the committee as the TOR validity has expired on 23/09/17 as per MoEF&CC OM No. J-11011/41/2006-IA.II (I) (Part) dated 20/03/2015. The committee observed that PP has neither submitted the EIA report nor has applied for the extension of TOR's validity period and thus decided that this case may be recommended for delisting to SEIAA as TOR's validity has expired.

13. Case No.-5267/2016 M.P.State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor Jail Road, Bhopal. Prior Environment Clearance for River Sand Quarry in an area of 22.500 ha. (4,50,000 cum/year) at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP). (EIA Consultant: M/s SFRI, Jabalpur)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) 22.500 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. NIL dated: 13/4/16 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine.

Earlier this case was scheduled in 68th SEAC-II meeting dated 06/03/2017 wherein it was recorded that *the case was presented by the PP and their consultant in the 39th SEAC II meeting dated 14/07/2016 wherein during presentation, it was observed that as per the certificate issued by the DFO, Wild Life Sanctuary is at a distance of 8.4 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application*

made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. During presentation it was also observed that concerned mining officer vide letter no. NIL dated: 13/4/16 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine. It being a case of cluster where the total area is > 25 ha it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

- 1. Detailed evacuation plan is to be discussed in the EIA report.*
- 2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.*
- 3. Photographs and maps depicting all the mines present in the cluster.*
- 4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.*
- 5. The date and duration of carrying out the base line data collection and monitoring be informed to the concerned Regional Officer of the M. P. Pollution Control Board.*
- 6. Photographs of individual mine during EIA process with date.*
- 7. Justify the production from each mine and also justify the duration when mining is possible.*
- 8. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.*
- 9. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.*
- 10. Discuss and assess impacts of sand mining on pisciculture.*
- 11. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.*
- 12. Discuss the measures that will be adopted for the bank erosion.*
- 13. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.*
- 14. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.*

15. *If a habitation is in close vicinity of ML area then possible impacts & mitigation measures be addressed in EIA. Additional monitoring stations should be established nearby the habitations.*

PP has submitted the EIA report on dated 01/02/2017 which was forwarded by the SEIAA vide letter no. 5232/SEIAA/17 dated 08/02/2017.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the co-ordinates mentioned in the mining plan are different than the co-ordinate mentioned in the EIA report. PP submitted that the co-ordinates mentioned in the mine plan are incorrect and thus they have obtained revised co-ordinates through concerned mining officer vide their letter no. 185 dated 01/03/2017. It was also observed by the committee that there are three mines in the cluster as details given below:

| Sl. No. | Case No. | Mine Name | Area in ha. | Capacity in cubic meter |
|----------------|-----------------|------------------|--------------------|--------------------------------|
| 1. | 5267/2016 | Gwadikala | 22.500 | 4,50,000 |
| 2. | 5268/2016 | Gwadikala | 18.543 | 3,69,060 |
| 3. | 2728/2015 | Gwadikala | 4.000 | 1,15,000 |
| TOTAL | | | 45.043 | 9,34,060 |

Out of above three mines, one case is transferred to DEIAA (2728/2015) as the lease is of <5.00 ha and it was sanctioned prior to 09/09/2013 on submission of necessary documents by MPSC, Bhopal as per the recommendations of 47th SEAC II meeting dated 27/08/2016. It was further observed that as per the certificate issued by the DFO, Wild Life Sanctuary is within 10 kms (a Notified PA) radius of site and thus clearance from NBWL is needed for which PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. Thus the grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

During discussion it was observed by the committee that evacuation of 9,34,060 cubic meter of sand (including all three mines in cluster) is proposed through Gwadikala village and the same issue was also raised during public hearing wherein it was committed by the PP that bypass road has been proposed and responsibility of its construction and maintenance is

entrusted to the concerned contractor & included in the EMP. After presentation, PP was asked to submit response on following:

- 7. As committed during public hearing, PP should submit the details of alternate road bypassing the village with its dimensions such as length, width etc considering the evacuation of 9,34,060 cubic meter of sand and traffic load.*
- 8. Revised plantation scheme as suggested by the committee during presentation with number and their species their distribution on river bank, village road and evacuation road and other possible places.*
- 9. Revised EMP incorporating the cost of alternate road bypassing the village.*

PP was also informed to submit above information vide Letter No. 212 dated: 31/3/17 and Reminder letter no. 485 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

14. Case No.-5268/2016 M.P.State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor Jail Road, Bhopal. Prior Environment Clearance for River Sand Quarry in an area of 18.543 ha. (3,69,060 cum/year) at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) (EIA Consultant: M/s SFRI, Jabalpur)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) 18.543 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 68th SEAC-II meeting dated 06/03/2017 wherein it was recorded that the case was presented by the PP and their consultant in the 39th SEAC II meeting dated 14/07/2016 wherein during presentation, it was observed that as per the certificate issued by the DFO, Wild Life Sanctuary is at a distance of 8.4 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/740/2016 and date of submission is 20/06/2016. During presentation it was also observed that concerned mining officer vide letter no. NIL dated: 13/4/16 has reported that there are 02 more mines operating

or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine. It being a case of cluster where the total area is > 25 ha it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Detailed evacuation plan is to be discussed in the EIA report.
2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.
3. Photographs and maps depicting all the mines present in the cluster.
4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.
5. The date and duration of carrying out the base line data collection and monitoring be informed to the concerned Regional Officer of the M. P. Pollution Control Board.
6. Photographs of individual mine during EIA process with date.
7. Justify the production from each mine and also justify the duration when mining is possible.
8. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
9. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
10. Discuss and assess impacts of sand mining on pisciculture.
11. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.
12. Discuss the measures that will be adopted for the bank erosion.
13. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.
14. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
15. If a habitation is in close vicinity of ML area then possible impacts & mitigation measures be addressed in EIA. Additional monitoring stations should be established nearby the habitations.

PP has submitted the EIA report on dated 01/02/2017 which was forwarded by the SEIAA vide letter no. 5232/SEIAA/17 dated 08/02/2017.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the co-ordinates mentioned in the mining plan are different than the co-ordinate mentioned in the EIA report. PP submitted that the co-ordinates

mentioned in the mine plan are incorrect and thus they have obtained revised co-ordinates through concerned mining officer vide their letter no. 185 dated 01/03/2017. It was also observed by the committee that there are three mines in the cluster as details given below:

| Sl. No. | Case No. | Mine Name | Area in ha. | Capacity in cubic meter |
|--------------|-----------|-----------|---------------|-------------------------|
| 1. | 5267/2016 | Gwadikala | 22.500 | 4,50,000 |
| 2. | 5268/2016 | Gwadikala | 18.543 | 3,69,060 |
| 3. | 2728/2015 | Gwadikala | 4.000 | 1,15,000 |
| TOTAL | | | 45.043 | 9,34,060 |

Out of above three mines, one case is transferred to DEIAA (2728/2015) as the lease is of <5.00 ha and it was sanctioned prior to 09/09/2013 on submission of necessary documents by MPSMC, Bhopal as per the recommendations of 47th SEAC II meeting dated 27/08/2016. It was further observed that as per the certificate issued by the DFO, Wild Life Sanctuary is within 10 kms (a Notified PA) radius of site and thus clearance from NBWL is needed for which PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. Thus the grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

During discussion it was observed by the committee that evacuation of 9,34,060 cubic meter of sand (including all three mines in cluster) is proposed through Gwadikala village and the same issue was also raised during public hearing wherein it was committed by the PP that bypass road has been proposed and responsibility of its construction and maintenance is entrusted to the concerned contractor & included in the EMP. After presentation, PP was asked to submit response on following:

1. As committed during public hearing, PP should submit the details of alternate road bypassing the village with its dimensions such as length, width etc considering the evacuation of 9,34,060 cubic meter of sand and traffic load.
2. Revised plantation scheme as suggested by the committee during presentation with number and their species their distribution on river bank, village road and evacuation road and other possible places.

3. Revised EMP incorporating the cost of alternate road bypassing the village.

PP was also informed to submit above information vide Letter No. 214 dated: 31/3/17 and Reminder letter no. 487 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

15. Case No. - 3092/15 - Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12, Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP). Prior E.C for approval of Baghwad River Sand Quarry in Lease Area -16.00 ha. Capacity 1,50,000 cum/year at Khasra No.-192/1, 136, Vill.-Baghwad, Teh.-Timarani, District-Harda (MP)

This is case of Baghwad River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra No.-192/1, 136, Vill.-Baghwad, Teh.-Timarani, District-Harda (MP) 16.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-13338, dated: 29/09/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Earlier this case was discussed in 70th SEAC-II meeting dated-15/03/2017 wherein it was observed that: *this case was discussed in 68th SEAC-II meeting dated-06/03/2017 wherein it was observed that: SEIAA vide letter no.-5337 dated: 25/02/2017 forwarded this case stating that “The case was discussed in 398th meeting dtd. 02.01.2017 and it was recorded that: - The case was recommended in 61st SEAC-II meeting dated. 25.11.2016 and it was recorded that.... Today, this case was scheduled again for presentation wherein it is recorded that Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 56th SEAC-II meeting dated-08/11/16. Thus Committee decided that since sufficient opportunities have been given*

to the PP for appraisal and consideration of the project wherein PP remain absent in the 56th and 61st SEAC meetings, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

PP has submitted an application dated 28.01.2017 showing his interest in presentation of his case before SEAC-II. Therefore it has been decided to relist the case & send the file to SEAC-II for appraisal.

Based on the above, the case was not scheduled for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant and during presentation it was observed as per the Google image of May 2016 based on the co-ordinates provided by the PP one co-ordinate of the lease area is falling outside of the lease boundary. PP submitted that the co-ordinate is not outside of the lease boundary but in on another river which ultimately joins the main river but has only one co-ordinate and thus area cannot be shown on the Google map. Hence committee after discussion decided to obtain all the co-ordinates of the lease area duly authenticated by the competent authority so that entire lease could be seen on the Google map for further consideration of this project.

PP was also informed to submit above information vide Letter No. 220 dated: 31/3/17 and Reminder letter no. 491 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

16. Case No. 5521/17 Smt. Nandita Sharma, D-78, Vishnu Hightech City, Bhopal, and MP – 462010. (SIA/MP/MIN/62087/2017). Prior Environment Clearance for Stone deposit quarry in an area of 7.00 ha. (1,16,000 cum per annum) (Khasra no. 244) at Village- Kardai , Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 244) at Village- Kardai, Tehsil -

Huzur, Dist. Bhopal (MP) 07.00 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2934 dated: 11/01/2017 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 15.50 ha including this mine.

The case was presented by the PP and their consultant in the 70th SEAC-II meeting dated 15/03/2017. During presentation it was observed by the committee that this lease is adjacent to another lease of an area of 5.50 ha (Case no.5522/2017). After presentation and discussion committee decided to obtain following information from the PP for further consideration of the project:

1. Details of Garland drain and settling tank with their dimensions on the surface map.
2. Revised Plantation Scheme at the barrier zone as suggested by the committee during presentation.
3. Transportation route marked on the Google Map.
4. Details of proposed blasting with their safety measures.

PP was also informed to submit above information vide Letter No. 222 dated: 31/3/17 and Reminder letter no. 477 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

17. Case No. 5522/17 Shri Basant Tiwari, A-3/104, Vishnu Hightech City, Bhopal, MP – 462010. (SIA/MP/MIN/62088/2017). Prior Environment Clearance for Stone deposit quarry in an area of 5.50 ha. (67,500 cum per annum) (Khasra no. 244 part) at Village- Kardai , Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone deposit quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 244 part) at Village- Kardai, Tehsil - Huzur, Dist. Bhopal (MP) 5.50 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2936 dated: 11-01/2017 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 15.50 ha including this mine.

Earlier the case was presented by the PP and their consultant 70th SEAC-II meeting dated 15/03/2017. During presentation it was observed by the committee that this lease is adjacent to another lease of an area of 7.00 ha (Case no.5521/2017). After presentation and discussion committee decided to obtain following information from the PP for further consideration of the project:

1. Details of Garland drain and settling tank with their dimensions on the surface map.
2. Revised Plantation Scheme at the barrier zone as suggested by the committee during presentation.
3. Transportation route marked on the Google Map.
4. Details of proposed blasting with their safety measures.

PP was also informed to submit above information vide Letter No. 208 dated: 31/3/17 and Reminder letter no. 475 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

18. Case No.-5503/2016 Shri Israil Khan S/o Mammu Khan, Vill. Hasanpaliya, Tehsil - Piplouda, Dist. Ratlam, MP (SIA/MP/MIN/58238/2016). Prior Environment Clearance for Sand Deposit in an area of 5.40 ha. (1540 cum per annum) (Khasra no. 48, 79, 295, 84/1) at Village- Mewasa, Tehsil - Ratlam, Dist. Ratlam (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 48, 79, 295, 84/1) at Village- Mewasa, Tehsil - Ratlam, Dist. Ratlam (MP) 5.40 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the

leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vides letter no.-558 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier the case was presented by the PP and their consultant 68th SEAC-II meeting dated 06/03/2017 during presentation and discussion it was observed by committee that the *mining lease appears to be in three parts thus not contiguous in nature and also not in accordance with the MP MMR,1996 rule 04 (3). During discussion PP submitted that it is a single mine which is continuous in nature and area has been left due to a bridge in between the lease area. Committee after discussion decided that they should submit clarification from the concerned mining officer that mine is sanction in accordance with the MP MMR,1996 rule 04 (3) and is contiguous in nature.*

PP was also informed to submit above information vide Letter No. 226 dated: 31/3/17 and Reminder letter no. 481 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submittd the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

19. Case No.-5506/2016 Shri Faruk Khan S/o Shri Sahabuddin Khan, Village- Islam Nagar, Tehsil - Jaora, Dist. Ratlam, MP. Prior Environment Clearance for Sand Deposit in an area of 12.97 ha. (20,000 cum per annum) (Khasra no. 110, 111) at Village- Dudhekhedi, Tehsil - Jaora, Dist. Ratlam (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 110, 111) at Village- Dudhekhedi, Tehsil - Jaora, Dist. Ratlam (MP) 12.97 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vides letter no.-561 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was presented by the PP and their Consultant in the 68th SEAC-II meeting dated 06/03/2017 and during presentation and discussion it was observed by committee that *as per the Google image of Dec.2015, the co-ordinates given in the mining plan are falling in the nearby field and on the edge of river bank. Thus committee asked PP to submit revised co-ordinates of the lease area, which should also duly verified by the competent authority for the further consideration of this project.*

PP was also informed to submit above information vide Letter No. 228 dated: 31/3/17 and Reminder letter no. 479 dated: 29/6/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

20. Case No. 5535 /17 M/s Adityaraj Stone Crusher, Santoshi Mata Ward, Teh. Pandhurana, Dist. Chhindwara, MP – 480334 Prior Environment Clearance for Crusher Stone quarry in an area of 7.760 ha. (44657 cum per annum) (Khasra no. 60, 72, 73) at Village- Bangaon (Heti), Tehsil - Pandhurna, Dist. Chhindwara (MP)

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at ((Khasra no. 60, 72, 73) at Village- Bangaon (Heti), Tehsil - Pandhurna, Dist. Chhindwara (MP) 7.760 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 278 dated: 14/02/2017 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 13.730 ha including this mine.

Earlier this case was presented by the PP and their consultant 71st SEAC-II meeting dated 10/04/2017 *wherein following observations were made by the committee base on Google image of November, 2016 as per the co-ordinates provided by the PP:*

- ✓ *Site is approx. 650 mts away from the tar road.*

- ✓ Site is 400 meters away from the residential houses.
- ✓ Site is 330 meters away from a small Dam.
- ✓ Tehsildar Certificate is not in format prescribed by the SEIAA.

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

1. Transportation and evacuation plan considering all the mines within 500 meters wrt condition of existing road, total evacuation proposed, its width & traffic management plan.
2. Revised Tehsildar certificate in format prescribed by the SEIAA.
3. Details of proposed garland drains and settling tanks on surface map with their dimensions.
4. Revised EMP and CSR as suggested by the committee during discussion.
5. PP should also explore the possibility of providing fixed types of sprinklers on transportation road and solar lighting for office usage.

PP was also informed to submit above information vide Letter No. Letter No. 256 dated: 21/4/17 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submittd the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

21. Case No.-5464/2016 Shri Prabhakar Mishra, 336/14, Civil Line Road, Dist. Tikamgarh, MP (SIA/MP/MIN/17501/2016). Prior Environment Clearance for Pyrophyllite and Diaspore mine in an area of 8.640 ha. (7000 TPA) (Khasra no. 1, 3, 10) at Village- Nandanwara, Tehsil - Mohangarh, Dist. Tikamgarh (MP)

This is case of Pyrophyllite and Diaspore mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1, 3, 10) at Village- Nandanwara, Tehsil - Mohangarh, Dist. Tikamgarh (MP) 8.640 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.855, dated: 29/08/2016, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of -18.312 ha including this Mine.

Earlier this case was discussed in 69th SEAC-II meeting dated 07/03/2017 wherein it was observed that: *this case was discussed in 64th SEAC-II meeting dated-16/01/2017 wherein it was observed that: Today, the case was earlier scheduled for presentation wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 63rd SEAC-II meeting dated-24/12/2016. Committee decided to call the PP in subsequent meetings giving him last chance to present his case and if the PP remains absent even then, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project”.*

The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image a road is crossing the lease area thus 50 mts should be left from the both side of the road. Additionally a canal is seems to be crossing the lease towards North –West side thus 100 mts area to be left from the canal as non-mining area. During presentation it was observed by the committee that a natural water body is in existence on the eastern side of the lease for whcih it was submitted by PP that the lease area is divided in three part namely block A, Block B and Block C. Block A which is in north east direction and close to water body as well as major part of canal is passing from the same block is non mineralized area and no mining will be carriedout in block A. Whereas in block B, certain part of canal is passing and therefore PP was aksed to execute mining leaving 100 meters distances from both sides. Hence committee after discussion asked to PP to submit revised Surface map of the lease area considering above restrcitions.

After presentation, the EMP and other submissions made by the PP were found to be satisfactory and acceptable but case could not be recommended for EC in the absence of approved scheme of mining from the competent authority as submitted plan is expired in December, 2014. Thus committee after deliberation decided that PP should submit approved scheme of mining for the competent authority, valid lease document and revised Surface map as stated above for further consideration of the project.

PP was also informed to submit above information vide Letter No. 230 dated: 31/03/17 & Reminder letter 489 dated 29/06/2017 stating to submit information within 30 days. PP so far has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submittd the desired information nor has requested for providing additional time to submit desired information and thus decided that

this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

22. Case No. - 5527/2017 Executive Engineer, M.P. Housing and Infrastructure Development Board, Division Ratlam, Jawahar Nagar, Ratlam, (M.P.) – 457001 Prior Environment Clearance for Proposed New Residential Building Project of "SAMANVAY PARISAR" (under Atal Ashray Yojana) at Khasra no. – 181/19/2, 181/2/13, Village-Dosigoan, Tehsil & Distt. - Ratlam, (M.P.) Total Land Area - 99049 Sqm., Proposed Total Built up Area – 78,950 Sqm. Cat. – 8 (a) Project. FoR – Building Construction. EIA Consultant: M/s Mantra Green Resources Ltd., Nashik.

The proposed project falls under item no 8(a) i.e. Clearance for Proposed New Residential Building Project of "SAMANVAY PARISAR" (under Atal Ashray Yojana) at Khasra no. – 181/19/2, 181/2/13, Village-Dosigoan, Tehsil & Distt. - Ratlam, (M.P.) Total Land Area - 99,049 Sqm., Proposed Total Built up Area – 78,950 Sqm hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

PP and his consultant presented the salient features of the project before the committee in the meeting. During presentation PP informed that electrical lines are passing through the project area and they have left 10 meters area as no development area on the both sides of lines as per the norms. The fresh water requirement for the project is 1100 KLD and a STP is proposed for the treatment of 1000 KLD of waste water. PP further submitted that 1100 trees are proposed on the project periphery and inside green areas for green belt development. Committee after deliberations asked PP to submit response on following issues:

1. If any tree felling is involved same should be reported with number of trees and scheme of compensatory plantation.
2. Disposal plan of 271 KLD excess treated water as PP has proposed to dispose of this treated water through municipal drain/sewer line and at present no such sewer line/drain is in existence.
3. Revised Water Requirement and Water Balance Chart considering floating population and commercial activities for the commercial area.
4. Source of water supply with clear commitment of the concerned authority.

PP was also informed to submit above information vide Letter No. 327 dated: 15/05/17 & Reminder letter 360 dated 01/06/2017 stating to submit information within 30 days. PP so far

has not submitted the desired informations and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

23. Case No. 3492/15 Shri Vishwas Parmani, Partner, M/s Associated Commerce, Sub Lessee, M.P. State Mining Corporation Ltd., Nehru Ward, Pipariya, Hoshangabad (MP)-466001 Prior E.C for approval of Sand Quarry in an area of 10.486 ha. (2,36,000 cum/year) at Khasra No.-87/2, Vill.-Aanchalkheda, Teh.-Babai, District-Hoshangabad (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-87/2, Vill.-Aanchalkheda, Teh.-Babai, District-Hoshangabad (MP) 10.486 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-2760, dated: 16/07/15, has reported that there are mines operating or proposed within 1000 meters around the said mine and the cumulative area is 363.580 ha including this mine.

Earlier this case was earlier discussed in the 242nd SEAC meeting dated: 07/11/2016 wherein it was observed. Executive Director, M.P. State Mining Corporation Ltd., Bhopal vide letter No. Ret-2/2015-16/450 Bhopal dated 08/09/2015 has submitted a list of cluster of mines existing in the state for issuance of TOR which was forwarded by SEIAA vide letter no 5774/ SEIAA/15 Bhopal dated 26/09/15 for consideration as per EIA notification. As per above list the 54 mines are in the cluster and total Area-731.791 ha including this mine. All the mines of above cluster after their individual valid application in SEIAA & presentation in SEAC for TOR can conduct regional EIA but their EMP should be site specific and will be considered on case to case basis.

Being it's a case of cluster where the total area is > 25 ha. it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TOR:-

1. Detailed evacuation plan is to be discussed in the EIA report.
2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.
3. Photographs and maps depicting all the mines present in the cluster.
4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.
5. Photographs of individual mine during EIA process with date.
6. Justify the production from each mine and also justify the duration when mining is possible.
7. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
8. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
9. Discuss and assess impacts of sand mining on pisciculture.
10. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.
11. Discuss the measures that will be adopted for the bank erosion.
12. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.
13. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
14. A habitation is in close vicinity and possible impacts & mitigation measures be addressed in EIA.

As per the above, the TOR was issued to the PP vide letter no. 741 date: 25/4/2016.

MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no.486 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 2117/2006/12/02 dated 04/07/2007 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

SEIAA vide letter no. 3173/SEIAA/16 dated 16/08/2016 and 3240/SEIAA/16 dated 26/08/2016 has also instructed to appraise such cases on priority as per GOI, MoEF&CC notification dated 01/07/2016 and thus committee decided that as per the above instructions

of SEIAA, all such cases should be appraised on the priority on the basis the lease documents available in the file/representation submitted by the PP.

The case was presented today by the PP and their consultant and during presentation it was observed that as per the Google image of March 2014, as per the co-ordinates provided by the PP, that there is a road bridge on the southern side of the QL area, thus PP was asked to leave 200 meters from the southern sides of the road bridge as per the sand guidelines of MOEF & CC {Protection of infrastructure-Pont no.-49:-*For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 200 meters) should be worked out on case to case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.*}. Leaving 200 meters from the southern side of the road bridge, only 35% of the lease area remains as minable and thus only 82,600 cum/year sand can be evacuated from this QL. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 82,600 cum/year.
2. District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.

PP vide letter dtd. 02.07.2017 has informed that the recommended quantity has been reduced from the quantity mentioned in the mining plan. In this context, EC has been already issued vide 4572 dtd 02.12.2016 and file is with SEIAA.

The letter of PP was placed before the committee and committee on perusal of the PP's letter and minutes of the 54th SEAC-II meeting dated 14-10-16 observed that the reason for

the reduction in sand quantity was justified in the minutes hence no further action is required in this case.

DISCUSSION ON QUERY RESPONSES SUBMITTED BY THE PP's.

- 24. Case No. - 2318/2014 Mr. Manoj Jain, Plant Head, M/s SRF Limited, Special Economic Zone, Phase-I, Sec-III, Plot No. C-1 to 8, C-21 to 30, D-13 to 18, D-25 to 32 and 41, 41A, 42, 43 & 54, 55, 56 & 56A, Village & Tehsil-Pithampur, District-Dhar (M.P.)-454775 Polyester Film- 64123 MT/Annum, Polyester Resin – 61000 MT/Annum (Including value added Metallized film 12000 MT, Holographic Film- 1200 MT) Area- 68592 sq/m. (Additional Product-Polyester Resin) FoR – TOR. ToR approved 173 dt-23/2/15 SEAC meeting dt. 23/02/15. Case forwarded to SEIAA vide letter no. 2847 dtd. 30-12-14 & 1095 dt. 30/04/16 rec. dt. 02/05/16.EIA Consultant: Anacon Labs, Nagpur.**

This is an industrial project comprising production of Polyester Film & Polyester Resin. The proposed production capacity is- Polyester Film- 64123 MT/Annum, Polyester Resin – 61000 MT/Annum (Including value added Metallised film 12000 MT & Holographic Film- 1200 MT) Area- 68592 sq/m. The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project site. The TOR was issued to the unit as per the decision taken in the 173 SEAC meeting dt. 23/02/15.

PP has applied for issuance of additional TOR as they propose expansion in production capacity polyester resin from 61,000 MT/annum to 80,000 MT/Annum with additional capacity of 19,000 MT/annum.

The case was presented by the PP and their consultant in the 275th SEAC meeting dated 12/05/2016 wherein after deliberations committee decided that the unit may be inspected by the committee and following additional TORs be added in the TOR already prescribed as per the decision taken in the 173 SEAC meeting dt. 23/02/15:

1. Changes required in plant & machinery for proposed expansion in production capacity of polyester resin from 61,000 MT/annum to 80,000 MT/Annum should be discussed in the EIA report.
2. Generation and disposal plan of “Used TEG” should be discussed in the EIA report.
3. Characterization of ETP sludge and Holographic sludge along with their disposal plan be provided in the EIA report.

4. An affidavit should be submitted by the PP that no construction/installation activities have been initiated on site w.r.t. proposed expansion.
5. Worst case scenario be discussed w.r.t. use of Petcoke as fuel.

PP has submitted the EIA report vide letter no. 15/06/2017 which was forwarded by the SEIAA vide letter no. 831/SEIAA/2017 dated 22/06/2017.

Today PP and their consultant presented EIA wherein it was informed by the PP that so far no construction/developmental activities have been taken up by them for the proposed expansion and at present the unit is operating polyester resin plant for 61,000 MT/Year with Two liquid & Gas fuels fired thermic fluid heater of 09 MKCal/Hr. The waste water generated from the unit is treated in the ETP of 55m³/day. The domestic effluent approx. 40 m³/year is treated in the CETP, Pithampur and hazardous wastes are disposed of through CTSDf, Pithampur, Dhar. PP further submitted that to treat the extra effluent, a new ETP is proposed for expansion. The ash generated from the TFH should be sent to cement manufacturing industries. After presentation, PP was asked to submit information on following information:

1. Mass balance sheet for TFH should be submitted.
2. Recent copies of Annual returns form-4 and manifest document form 10 should be submitted.
3. Clarification for higher values of TDS at one location.
4. Organogram for CSR & SHE committee.
5. Commitment that SCADA will be installed for continuous monitoring in Thermic Fluid Heater.
6. Commitments that fly ash will be transported to cement industries through bulkers/closed containers.

PP vide letter no. SRF/PTH/SEAC/01 dated 07/11/2017 has submitted the reply of above queries which was found satisfactory and acceptable to the committee. Hence the case was recommended for grant of prior EC for expansion subject to the following special conditions:

1. The EC shall be valid for production of Polyester Films, Polyester Resin, Metallized Film, Holographic Film, Offline Coating Machine with utilities as follows:

| Sr. No | Name of product | Existing Products & Capacity | Proposed Expansions & capacity | Total capacity after expansion |
|---------------|------------------------|---|---|---------------------------------------|
| A | Polyester Film | 64,123 MTPA | NIL | 64,123 MTPA |

| | | | | |
|----|---|---|---|--|
| B | Polyester Resin | 61,000MPTA | 19,000 MT/annum | 80,000 MT/annum |
| C | Metallized Film | 12,000 MT | NIL | 12,000 MT |
| D | Holographic Film | 1,200 MT | NIL | 1,200 MT - |
| E | Solid Fuel Fired Thermic Fluid heater | 9 MKCal/hr X2 nos. liquid (FO) and Gas (CNG) Fuels | 08 Million Kcal/hr (Pet coke and coal) | 9 MKCal/hr X2 liquid (FO) and Gas (CNG) Fuels +08 Million Kcal/hr(Pet coke and coal) |
| F. | Offline Coating Machine | NIL | 3,600 TPA | 3,600 TPA |

(A) PRE-CONSTRUCTION PHASE

2. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
3. For dust suppression, regular sprinkling of water should be undertaken.
4. PP will obtain other necessary clearances/NOC from respective authorities.
5. Provisions shall be made for the housing of construction/plant 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

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
9. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
10. 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 150 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

11. MSW of various labours generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
12. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

13. Total water requirement for the project (existing & expansion) shall not exceed 630.5 KLD.
14. The waste water should be treated in existing ETP of 130 KLD and domestic effluent should be treated in common STP of MP AKVN, Pithampur, Dhar.
15. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
16. To control the particulate emission from the boiler, ESP meeting 50 mg/Nm³ shall be installed.
17. Adequate dust extraction system (minimum 02 Nos.) should be provided on coal/pet coke handling plant, crusher and bunkers to control fugitive emissions.
18. Fly ash generated shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
19. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
20. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
21. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
22. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
23. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.

24. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
25. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
26. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
27. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
28. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
29. The expansion project should also be monitored through SCADA system for effective monitoring and data should be recorded for the compliance purpose.
30. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
31. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
32. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
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. Ultrasonic/Magnetic flow/Digital meters shall be provided at all water abstraction points and records for the same shall be maintained regularly.
35. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

36. The proposed EMP cost is Rs. 14.26 Crores and Rs. 2.99 Crores/year are proposed as recurring expenses out of which Rs. 00.50 Crores is proposed for green belt development and Rs. 00.14 Crores /year for recurring expenses for plantation in the proposed EMP of this project.

37. Under CSR activity, Rs. 75 lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.
 38. 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.
 39. 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.
 40. 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.
 41. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 42. 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.
25. **Case No. – 5528/2017 Executive Engineer, Narmada Development Division No. - 8, Sanawad, Distt. - Khargone (M.P.) Prior Environment Clearance for Micro Irrigation Project at Balwada, Teh. - Sanawad, Distt. - Khargone, (M.P.) Cat. 1(c) River Valley and Hydroelectric Projects. EIA Consultant: R. S. Envirolink Technologies Pvt. Ltd., Gurgaon.**

This is a River Valley projects involving < 10,000 ha. of 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.

1.0 Introduction :-

A pilot scheme of smaller quantum named Narmada Kshipra Simhastha Link was conceived to lift 5 cumecs of water from sisaliya tank and to deliver water into Kshipra River to cater domestic / industrial needs of Dewas/Indore and Ujjain district as well as to suffice the water needs during Simhastha Mela in the year 2016. The project has been completed in Dec.2014.

The cultivators of the proposed scheme were not having sufficient reliable irrigation scheme. Local cultivators along with M.L.A have demanded the irrigation scheme for the proposed area. Many cultivators are of the opinion that various lift irrigation schemes are crossing from our fields but we are not getting irrigation benefits from the scheme. They have raised their demand for irrigation water during the environmental public hearing held on 03.06.15 at Balwada. Therefore the scheme is necessary for benefit of cultivators of Balwada area. In this proposed scheme water will we take from Narmada Kshipra link BPT-1 at R.L. 330m near Balwada, Dist. Khargone. The scheme is proposed to irrigate about 5000 ha Land of 19 Gram panchayat of Barwaha Tehsil of Khargone District by micro irrigation.

2.0 Present Proposal:

Under this scheme it is proposed to utilize 1.25 cumec of water of NKSL Project to irrigate about 5000 ha area by drip irrigation or sprinkler system in Maheshwer constituency of district Khargone . Following are the technical parameters:-

- | | | | |
|----|-----------------------|---|---------------|
| 1. | Off taking from BPT 1 | - | Level 330 M. |
| 2. | Discharge | - | 1.25 Cumec. |
| 3. | Average command level | - | 280 to 250 M. |

Length of proposed main pipe line from BPT-1 to junction structure is 2.00 km. From junction structure the left bank pipe line is 10.00 km length will carry 0.40 cumec discharges& Right bank pipe line is 18 km. will carry 0.85 cum. discharge. The levels of fields in the command area vary from 280 M. to 250 M. Hence, the cultivation shall also be motivated to adopt Drip or Sprinkler system Irrigation to have optimal utilization of value added water, so as to arrive at a duty of 0.25 Lps/Ha.

The detailed technical features are as under:-

| Particulars | Main Canal Pipe Line | Left Bank Pipe Line | Right Bank Pipe Line |
|----------------------------|----------------------|---------------------|----------------------|
| (i) Length of the canal | 2.0 km | 10Km | 18Km |
| (ii) Dia of Pipe (Maximum) | 1200mm | 800mm | 1000mm |

| | | | |
|--------------------------------|-------------------|------------|------------|
| (iii) Discharge | 1.25 cumec | 0.40 cumec | 0.85 cumec |
| (iv) Area covered | - | 1600 ha. | 3400 ha. |
| (v) No. of Panchayat benefited | - | 4 nos. | 10 nos. |
| (vi) Method of Irrigation-Drip | Duty-0.25 Lps/Ha. | | |

The diameter of pipe shall reduce in telescopic manner. The administrative approval has been taken on toposheet studies. Tender were received on turnkey basis lowest bidder Laxmi Civil Engineering Services Pvt. Ltd. (JV) has made agreement on 20.08.2016. It is proposed to provide irrigation water up to 1.00 Ha. Sub chak by Drip Irrigation/sprinkler System, so as to have optimum utilization of value added water. No energy will be required to deliver water in the fields as sufficient static head is available. Hence it will be most economical and viable scheme.

The benefits of Drip Irrigation System are enumerated as under:-

1. Pressure compensated dripper with self cleaning and self flushing mechanism.
2. Low pressure dripper.
3. Low flow dripper.
4. Pumps at the individual farmer's field will not require.
5. The recurring expenses on account of power requirement for operation of the system are minimized.
6. Optimum utilization of water for irrigation.
7. Increase in agriculture production with minimum water.

Earlier this case was presented by the PP and their consultant in 289th SEAC Meeting dated 28/04/2017. wherein during presentation it was observed that apprx. 0.95 ha forest area is involved in the project for which PP submitted that they have obtained the Forest Clearance. The committee after deliberation asked PP to annex this FC clearance with the EIA report. PP further submitted that it's an extension of earlier Narmada-Kshipra Link Project as a part of commitment was made during public hearing. During presentation PP informed that they have started collecting the part of baseline data from March, 2017. 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 should be conducted and presented in the EIA report should also take into consideration environmental/ecological cost-benefits.
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 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.

PP has submitted the EIA report vide letter no. 11/09/17 which was forwarded by SEIAA vide letter no. 1034 dated 26/09/2017.

The case was presented by the PP and their consultant wherein it was observed that apprx. 0.95 ha forest area is involved in the project for which PP submitted that they have obtained the Forest Clearance from DFO, Barwaha vide letter no. 1216 dated 09/03/2017. PP further submitted that being the area is less than 1.00 ha., DFO is empowered for diversion of forest land. PP also submitted that since no permanent land acquisitions is required thus no process of land acquisitions is initiated till date and further they were in impression that any action including land acquisition can only be initiated after EC is granted. However, they have carryout the primary survey of the area for temporary land acquisition. It was also presented by the PP that 45 trees will be uprooted for this project after the permission of competent authority for which committee suggested that 05 times compensatory plantation should be carried out against the number of the uprooted trees. During evaluation of the project it was

observed that a schedule I species “Indian Peafowl” is reported in the EIA report for which PP submitted that during survey no such species was sighted by them but the same is reported in the official documents thus PP was advised to obtain approval of competent authority before execution of project. After presentation, PP was asked to submit response on following:

1. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging) for which a written commitment should be submitted by the PP.
2. There are some changes in the project details when compared with the TOR and EIA. PP submitted that at the time of TOR estimated details were provided and now in EIA they have submitted exact details for which PP was asked to submit a written confirmation of the statement.
3. Response from PP to the queries raised during public hearing is not submitted by the PP and thus the same should be submitted.
4. Disposal plan of waste oil generated from the DG sets should be provided.
5. Primary survey of the area for temporary land acquisition with details of PEP's.
6. Details of facilities to be provided to the workers with their budgetary provisions should also be submitted.

PP has submitted the reply vide letter dated 08/11/2017 which was placed before the committee for discussions.

The query reply was presented by the PP and their consultant. 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 EC for Micro Irrigation Project at Balwada, Teh. - Sanawad, Distt. - Khargone, (M.P.) subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. During evaluation of the project it was observed that a schedule I species “Indian Peafowl” is reported in the EIA report for which PP submitted that during survey no such species was sighted by them but the same is reported in the official documents thus PP was advised to obtain approval of competent authority before execution of project if such species is seen/ observed in the project site.
5. Provisions shall be made for the housing of construction/plant 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

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. 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.
9. 45 trees are proposed to be uprooted for which permission of competent authority should be obtained and 05 times compensatory plantation should be carried out against the number of the uprooted trees.
10. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging).
11. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
12. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
13. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
14. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
15. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
16. 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

17. Muck management shall be carried out as per the submitted plan.

18. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
19. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
20. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
21. Use of Solar Energy should be promoted in the project area where ever possible.
22. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
23. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
24. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

25. As proposed, power requirement should not exceed 2.25 MW.
26. The proposed EMP and CSR cost is Rs. 81 lacks and Rs. 136 lacks for 05 years are proposed as recurring expenses out of which Rs. 41.00 lacks is proposed for green belt development and Rs. 15.00 lacks for 05 years for recurring expenses for plantation in the proposed EMP of this project. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. Under CSR activity different activities and should be implemented through respective committees.
28. All commitments pertaining to public hearing shall be mandatory on part of PP.
29. 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.
30. 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.
31. 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.

32. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
33. 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.
26. **Case No. - 5530/2017 Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 18, Distt. – Khargone (M.P.) Prior Environment Clearance for Biston Lift Irrigation Scheme at 8 Vilages of Khargone Tehsil, 47 Vilages of Gogawa Tehsil, 37 Vilages of Bhagwanpura Tehsil at Distt. - Khargone, (M.P.) EIA Consultant: R. S. Envirolink Technologies Pvt. Ltd., Gurgaon.**

This is a River Valley projects involving < 10,000 ha. of 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.

INTRODUCTION:-

1.1 (i) AIM(S) OF THE PROJECT WORK :

The main objective of Bistan Lift Irrigation Scheme is to provide irrigation facilities to the water-scare areas in left side of Narmada basin where the level of irrigation is very much less as compare to national irrigation percentage. The Bistan Lift Irrigation Scheme has been conceived to cater irrigation water to about 22,000 ha. of CCA Khargone districts of Nimar region along with water for drinking and Irrigation purposes. Total 8 villages of Khargone Tehsil, 47 villages of Gogawa Tehsil , 37 villages of Bhagwanpura Tehsil of Khargone district will be benefited by this scheme. Bistan lift canal takes off at R.D. 101 km. of ISP main canal which has designed to carry a discharge of 8.0 cumecs. At intake well point of Bistan lift scheme, the discharge of ISP Main canal is 72 cumecs.

1.2 Location of Project :

The project area is spreaded in Khargone Distt. of M.P. The supply source i.e. Indira Sagar Project reservoir, lifting point, pump houses and rising main lie in Khargone District of

Nimar region and the water lifted from Indira Sagar Main Canal at km.101 near village mohammadpur in Gogawa Tehsil of dist. Khargone while Distribution chamber is situated near village Merghatti and Devalgaon in Bhagwanpura tehsil of dist. Khargone total command area of project lies between command area of Khargone lift canal and forest boundary north to south & Kunda river to upper beda command west to east.

2.0 Present Proposal:

1. Name of the Project. : Bistan Lift Irrigation Project

2. Type of Project : Irrigation Project
(Irrigation or Multipurpose) :

3. Location :
 - ii) Supply Source : In Khargone District Indira Sagar Reservoir

 - i) Lifting Point ; : In Khargone District, Near Mohammadpur village ISP Main Canal at RD 101 km.

 - iii) Feeder Reservoir : Indira Sagar Reservoir

 - iv) Command : In Khargone District

- 3.1 River Basin
 - a) Name :
 - i) Lifting : Narmada Basin
 - ii) Command : Lower Narmada Sub Basin (3b).

 - b) Located in : Madhya Pradesh

- 3.2 River / Tributaries : Narmada River

- 3.3 State(s) / District(s) or Tehsils in which following are located.

| | State | District | Tehsil | |
|-----------------------------------|-------------------|-------------------|---------|------|
| (a) Reservoir (Supply Source) : | M.P | Khandwa | Punasa | |
| (b) Lifting Point / Rising Main : | M.P | Khargone | Gogawan | |
| (c) Command Area : | Khargone District | | Teshil | |
| | | (i) Khargone | | (ii) |
| | | Gogawa | | |
| | | (iii) Bhagwanpura | | |

3.4 Name of Village near the Head-works

Lifting Point : ISP Main Canal Khargone Mohammadpur

3.5 Location of Head-Works :

1) Lifting Point : ISP Main Canal RD 101 km

- (a) Longitude : 75^o35' 45"
- (b) Latitude : 21^o44' 25"
- (c) List in Earthquake Zone No. : Zone-III (Moderate Seismic)

2) Delivery Point : *Mehar GHatti & Devalgaon*

c) List in Earthquake Zone : Zone-III (Moderate Seismic)

3.6 Project area reference to : as detailed below

3.7. Access to the Project.

- a) Nearest Airport : i) Devi Ahilya Airport Indore (M.P.)
130 km. from Mohammadpur village
- b) Nearest Rail Head : ii) 60 km from Sanawad

4. Interstate aspects of the project

- (a) Catchment area of the basin. : It is a lift scheme hence no independent catchment is being harnessed.
- (b) State-wise / Country-wise details : Not applicable
of Catchment area.
- (c) Submergence due to project : No submergence due to project, as it is a lift scheme
- (d) Water allocation for the state (if any) : The Quantum of water being lifted for this project is included in the water share of M.P. as per NWDT award.
- (e) Proposed annual utilization by the project (82.94 Mcum)

Irrigation : 8.00 cumecs.

5. Estimated life of the project (years) : 50 Year

6. Irrigation (ha.)

(a) Gross command area (GCA) : 34,500 Hectare

(b) Culturable command area (CCA) : 22,000.Hectare

7. Project Performance

(a) Irrigation : 22,000.Hectare

8. Head Regulator(s) : Intake well at Lifting point , & Outlet regulators at D C and Main pipe line.

9. Canal System

9.1 Main Canal (Piped) : Piped network as per Design

9.1.1 Purpose of Canal : Irrigation

9.1.2 Type : Rising Main Pipe Canal

(M.S. /DI Pipe)

(a) Flow/ : Piped system

(b) Lined/unlined : Not applicable

(c) Discharge capacity of the : Not applicable (Piped Canal)
channel above which lining is proposed

(d) Type of lining : Not applicable

Earlier this case was presented by the PP and their consultant in 289th SEAC Meeting dated 28/04/2017 wherein during presentation PP informed that they have started collecting the baseline data from March, 2017. 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 should be conducted and presented in the EIA report should also take into consideration environmental/ecological cost-benefits.
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 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. If any forest area is involved in the project, FC clearance should be obtained and same be annexed with the EIA report.
14. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

PP has submitted the EIA report vide letter no. 16/10/17 which was forwarded by SEIAA vide letter no. 1068 dated 24/10/2017.

The case was presented by the PP and their consultant wherein following details as executive summer were submitted by PP:

1. Name of the project & its location:

Bistan Micro Lift Irrigation Scheme

The project area lies in Khargone district. The supply source Indira Sagar Canal near Mohammadpur village in Gogawan tehsil , Khargone District , M.P.. Command area lies in Khargone , Bhagwanpura and Gogawan.

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

GOVERNMENT OF MADHYA PRADESH, NVDD
EXECUTIVE ENGINEER
NARMADA VALLEY DEVELOPMENT AUTHORITY
DIVISION NO.18, KHARGONE,
DIST.KHARGONE, M.P.-451001
EMAIL ID: eedn18kgn@gmail.com
Land Line No.: 07282-231152
Mobile No. 8965958899

3. Latitude and Longitude of the project.

Location of headworks: Lifting point:

Longitude: 75⁰ 35' 45"

Latitude: 21⁰ 44' 25"

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

Not applicable

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

The Bistan Micro Lift Irrigation Scheme has been conceived to irrigate about 22,000 ha of CCA in Khargone district.:

- Construction of 2 nos of pump houses.

- Rising Main pipe line.
- Distribution network pipeline.
- Electrical Transmission line.

Access to the project:

- Nearest Airport : Devi Ahilya Airport Indore (M.P.) is 130 km from lifting point
- Nearest Rail Head MG: Sanawad, and is 60 km from Lifting Point

Land Requirement:

Forest Land:

The entire micro irrigation system along with transmission lines required has been aligned in such a way, that minimum forest area is diverted for the purpose. Therefore, only 0.97 ha of forest land is required for the project for which clearance from the forest department has been obtained.

Government/Private Land

For construction of pump houses and distribution chamber of the project, total land requirement has been worked as 3.03 ha; which is government land. No private land required for the project for permanent acquisition.

Temporary Land for Laying of Pipeline

The pipe shall be laid 1.00 m below average ground level and land will be restored immediately on completion of the work, therefore, no land for laying of pipes shall be acquired permanently. Wherever, the pipeline will be pass through private land, temporary land acquisition will be done as per Bhumigat Pipeline Cable Avam Duct Adhinyam, 2012 and Right to fair compensation and transparency in land acquisition, rehabilitation and resettlement act, 2013. The temporary land requirement is approximately 45ha.

6. Cost of the project: 515.10 crore.

7. Whether the project is in Critically Polluted area.

No

8. If the project is for EC under EIA Notification, 2006 a) For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised

during PH and response of PP b) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.

For the present case, Form 1 was submitted online on March 14, 2017. Scoping clearance for the project was recommended by SEAC during its 289th meeting held on April 28, 2017.

Public Hearing for Bistan Micro Lift Irrigation Scheme was conducted by Madhya Pradesh State Pollution Control Board (MSPSCB) on 21st August 2017 at Gram Panchayat Bhawan, Badgaon, Tehsil Gogaon, District Khargone.

During the public hearing, public in one voice asserted that project should implemented at the earliest so that irrigation benefits can be reaped. Views of public can be summarized as below:

- Due to shortage of water in the region, there is a problem of irrigation for agriculture. Hence, proposed scheme should be implemented at a fast pace.
- Due to proposed scheme, there would be economical self-independence of farmers and consumption of electricity and diesel shall come down.
- Proposed scheme will bring economic prosperity in the region. Economical self-independence shall bring development and increase in literacy rate.
- Under the proposed scheme, plantation should be taken up as per norms by environment department.

9. If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.

For construction of pump houses, and distribution chamber of the project, land of about 3.03 ha private shall be required. Permission for diversion of 0.97 ha of forest land has already been obtained for laying of raising main. Vide forest clearance letter reference no. 1388/off/B.L.I-3/2017 dt. 31/05/2017

10.If the project falls within 10 km of eco- sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.

No

11.Waste Management (i) Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling / reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management

Not applicable

12. Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made

In a water resources project, air and noise pollution occurs mainly during project construction phase. During operation phase, no major impacts are envisaged. However it is clarified that since the project is Micro irrigation project mainly with underground pipeline therefore air and noise pollution will not have any impact.

Water conductor (pipeline) system shall be crossing several streams. Improved availability of irrigation in the area shall lead to reduced extraction of ground water for irrigation and domestic uses thus reversing ground water decline in the region. No adverse impact on downstream users is envisaged.

13. If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan

Not Applicable

14. If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :

Not Applicable

15. Other information (i) Investment/Cost of the project is Rs 515.10 crore. (ii) Employment potential During the construction of the project local villagers will get employment in different activities of the project. It will benefit 22000 ha. in Khargone district. (iii) Benefits of the project 92 villages benefited by irrigate 22000 ha. Agricultural land.

16. Date of Ground water clearance:

Not applicable

17.Date of mine closure approval

Not applicable

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

Not applicable

During presentation, it was observed that apprx. 0.970 ha forest area is involved in the project for which PP submitted that they have obtained the Forest Clearance from DFO, Khargone vide letter no. 4440 dated 24/07/2017. PP further submitted that being the area is less than 1.00 ha., DFO is empowered for diversion of forest land. PP also submitted that since no permanent land acquisitions is required thus no process of land acquisitions is initiated till date and further they were in impression that any action including land acquisition can only be initiated after EC is granted. However, they have carryout the primary survey of the area for temporary land acquisition. During evaluation of the project it was observed that a schedule I species “ Indian Peafowl” is reported in the EIA report for which PP submitted that during survey no such species was sighted by them but the same is reported in the official documents thus PP was advised to obtain approval of competent authority before execution of project. In the presentation lying of transmission line was proposed while during discussion, PP informed that poles will be laid down for transmission of power which needs PP’s clarification. After presentation, PP was asked to submit response on following:

1. Complete technical details of pumping stations (such as Main layout, pump capacity, head, storage capacity at the intermediate tank, head loss etc) should be provided.
2. In the presentation lying of transmission line was proposed while during discussion, PP informed that poles will be laid down for transmission of power. PP was asked to clarify this.
3. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging) for which a written commitment should be submitted by the PP.
4. There are some changes in the project details when compared with the TOR and EIA. PP submitted that at the time of TOR estimated details were provided and now in EIA they have submitted exact details for which PP was asked to submit a written confirmation of the statement.
5. Response from PP to the queries raised during public hearing is not submitted by the PP and thus the same should be submitted.
6. Disposal plan of waste oil generated from the DG sets should be provided.
7. Primary survey of the area for temporary land acquisition with details of PEPS.

8. Details of facilities to be provided to the workers with their budgetary provisions should also be submitted.

PP has submitted the reply vide letter dated 08/11/2017 which was placed before the committee for discussions.

The query reply was presented by the PP and their consultant. 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 EC for Biston Lift Irrigation Scheme at 8 Vilages of Khargone Tehsil, 47 Vilages of Gogawa Tehsil, 37 Vilages of Bhagwanpura Tehsil at Distt. - Khargone, (M.P.) subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. During evaluation of the project it was observed that a schedule I species "Indian Peafowl" is reported in the EIA report for which PP submitted that during survey no such species was sighted by them but the same is reported in the official documents thus PP was advised to obtain approval of competent authority before execution of project if such species is seen/ observed in the project site.
5. Provisions shall be made for the housing of construction/plant 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

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. 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.

9. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging).
10. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
11. 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.
12. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
13. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
14. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
15. 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

16. Muck management shall be carried out as per the submitted plan.
17. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
18. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
19. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
20. Use of Solar Energy should be promoted in the project area where ever possible.
21. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
22. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
23. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

24. As proposed, power requirement should not exceed 14.20 MW.
25. The proposed EMP and CSR cost is Rs. 591.74 lacks and Rs. 610.00 lacks for 05 years are proposed as recurring expenses out of which Rs. 466.74 lacks is proposed for green belt development and Rs. 225.00 lacks for 05 years for recurring expenses for plantation in the proposed EMP of this project. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
26. Under CSR activity different activities and should be implemented through respective committees.
27. All commitments pertaining to public hearing shall be mandatory on part of PP.
28. 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.
29. 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.
30. 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.
31. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
32. 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.

27. Case No. - 5531/2017 Executive Engineer, Narmada Development Division No. 16, Kukshi, Distt. - Dhar, (M.P.) – 454331 Prior Environment Clearance for Alirajpur Lift Irrigation Scheme Near Roligaon Village, Tehsil - Sondwa, Distt.- Alirajpur, (M.P.) EIA Consultant: R. S. Envirolink Technologies Pvt. Ltd., Gurgaon.

This is a River Valley projects involving < 10,000 ha. of 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.

INTRODUCTION

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.

This Project titled “EXECUTION OF ALIRAJPUR LIFT SCHEME” consists of supplying of water from Hathani River and delivering at farmer’s field with a duty of 0.36 lit/sec/ha through the various junctions/off takes from Gravity Main to Micro-irrigation up to 2.5 hectare chak with residual head of 20 meters at 2.5 hectare chak for 35000 hectare out of gross command area 64500 hectare without exceeding a total power requirement of 35.50 MW in the whole system.

OBJECTIVE OF THE PROJECT

The objective of the project is to increase production of agriculture and improve the living standard of farmers in the project area by constructing pressurized irrigation system utilizing limited water resources efficiently and ensure equitable assured water supply to the designed command area.

SCOPE OF WORK

Execution of Alirajpur Lift Irrigation scheme in Alirajpur District of Madhya Pradesh comprising of: -

1. Lifting of 12.6 cumec water from Hathani River (Tributary of Narmada) to supply for irrigation in 35000 Ha CCA.
2. Construction of Pumping Stations with Pumps including substation, transformer and all electrical works and Control Room with SCADA.
3. Construction of Delivery Chamber.
4. Erection of Electrical Line of suitable voltage and power as may be required.

5. Construction of underground piped rising mains and disnet for Micro irrigation up to 2.5 ha. chak including all inline structures & other miscellaneous works.
6. Permanent land requirement shall be 12 Ha (3.5 Ha Govt./Private land; 8.5 Ha forest land) and temporary land requirement for pipe laying shall be around 80 Ha.
7. Total power requirement for the entire project shall not exceed 35.5 MW in 15 years lifetime.

In a Gross command area of approximately 64500 Ha, a total of 35000 Ha is to be irrigated in Alirajpur district. The command map has forests, ponds, roads, village settlements, nalla /Railway /Highway crossings, cultivable lands and non-cultivable lands as total GCA.

SYSTEM DESCRIPTION

The aim of project is to irrigate 35000 Ha of land (CCA) within 64500 Ha GCA with duty Head of 0.36lps/Ha. A total of 12.6 Cumec of water is to be drawn from Hathani River at minimum lifting level of 110m and distributed to Command Area through delivery chamber.

Three stages of pumping are considered for conveying water from river to Delivery Chamber. Intake pumping station (PH-1) at lifting point, second pumping station (PH-2) & third pumping station cum delivery chamber (PH-3) have been considered based on topography of land.

PUMPING SYSTEM

To irrigate the command area of higher elevations, a total of three pumping stations are proposed at the following locations:

1. Pump House-1 (Located near Hathani River)

Pump House-1 is located near Hathani River at 2440101.3810N and 443100.2488E receives water from Hathani River through intake approach channel. The pump house comprises of 8 Nos. of VT pumps (Six working and Two standby), each with a capacity of 7560 m³/hour (total capacity: 12.6 m³/s) and Head 130m. Since the river water level varies from 110 m to

138.68 m, the pump is designed to lift the water throughout the year from all level ranging from 110 m to 138.68 m by providing VFD (Variable Frequency Drive) for the Motor.

In between pump house-1 and pump house-2, 1.3cumecs of water is drawn from transmission pipeline main to the delivery chamber-1, which is located at 440901.0904E & 2444618.6899N. The transmission pipeline length to DC-1 is 1.5km (approximately) which is laid underground up to delivery chamber-1 and above ground in forest area.

From the pumping station-1 transmission main conveying 12.6 cumecs for first 3.8km and 11.3 cumecs for next 5.8km will be laid underground upto Pump house-2 and above ground in forest area. Electrical room, switch yard, control room and other amenities are considered in the pump house as per relevant standards. Necessary regulating structures have been considered at approach channel of intake pumping station.

2. Pump House-2

Pump House-2 is located at 2449532.00N & 442203.00E and receives water via MS transmission main from Pump House-1. The pump house comprises of 8 Nos. of VT pumps (six working and Two standby), of which four pumps (three working and one stand by) used to pump water to pump house-3 each with capacity of 6960m³/hr (total capacity: 5.8cumecs and Head 86 m). and the remaining four pumps (three working and one stand by) used to pump water from pump house-2 to the delivery chamber-2 (DC-2) each with capacity of 6600m³/hr, at 5.5 cumecs with total head of 79m. DC-2 is located at 442776.00E & 2451845.00N. From the pumping station transmission main conveying 5.8cumecs will be laid underground upto Pump House -3 and above ground in forest area. Another transmission pipe line conveying 5.5 cumecs will be laid underground upto discharge chamber-2 & above ground in forest area.

3. Pump House-3

Pump House-3 is located at 2458687.00N & 438031.00E and receives water via MS transmission main from Pump House-2. The pump house comprises of 4 Nos. of VT pumps (Three working and one standby), each with a capacity of 6360m³/hour (total capacity: 5.3 m³/s) and Head 54 m. From the pumping station transmission pipe line conveying 5.3 cumecs will be laid underground up to Delivery Chamber-3 and above ground in forest area.

All pumping stations are considered with Minimum of 25% standby pumps.

| S.No | Pumping Stations | Location | Pump Flow (m ³ /hr) | Head (m) | Lifting Level (m) | Delivery Level (m) |
|------|------------------|---------------------|--------------------------------|----------|-------------------|--------------------|
| 1 | Pump House-1 | Near Hathani River | 7560 | 130 | 110 | 230 |
| 2 | Pump House-2 | Near Walpur Village | 6600 | 79 | 230 | 300 |
| 3 | Pump House-3 | Near Kanpur Village | 6360 | 54 | 300 | 350 |

TRANSMISSION MAIN

MS/DI Rising mains diameter & thickness has been considered as per relevant Standards and tabulated below:

| Description | Location | Flow (m ³ /Sec) | Diameter (m) | Length (Km) | Thickness (mm) |
|---------------|----------------------------------|----------------------------|--------------|-------------|----------------|
| Rising Main-1 | PH-1 to Tapping Junction to DC-1 | 12.6 | 2.77 | 3.8 | 16 |
| Rising Main-2 | DC-1 Tapping Junction to PH-2 | 11.3 | 2.66 | 5.8 | 15 |
| Rising Main-3 | Tapping Junction to DC-1 | 1.3 | 1.00 | 1.5 | 8 |
| Rising Main-4 | PH-2 to PH-3 | 5.8 | 1.9 | 10.7 | 10 |
| Rising main-5 | PH-3 to DC-3 | 5.3 | 1.8 | 1.8 | 10 |
| Rising main-6 | PH-2 to DC-2 | 5.5 | 1.85 | 2.3 | 10 |

The complete transmission main shall be laid underground with minimum 1.0 m cover of backfill material above the pipeline. In forest areas, rising main shall be laid above ground. MS pipelines with Internal and external coatings have been considered.

Major Roads and railway crossing shall be crossed as per the norms of concerned dept. and after getting approval from concerned authority. Sectionalizing valve, scour and air valve shall be provided in the Rising mains wherever required.

data from March, Earlier this case was presented by the PP and their consultant in 289th SEAC Meeting dated 28/04/2017 wherein during presentation PP informed that they have started collecting the baseline 2017. 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 should be conducted and presented in the EIA report should also take into consideration environmental/ecological cost-benefits.
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 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. Approx 8.05 ha forest area is involved in the project for which FC clearance should be obtained and status of the same be annexed with the EIA report.
14. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

PP has submitted the EIA report vide letter no. 17/10/17 which was forwarded by SEIAA vide letter no. 1080 dated 26/10/2017.

The case was presented by the PP and their consultant wherein following details as executive summary were submitted by PP:

1. Name of the project & its location:

Alirajpur Lift Irrigation Scheme.

The project area lies in Alirajpur District. The supply source Hathni river near Jhandana village of Alirajpur District and command area lies in Alirajpur, Sondwa, Jobat & Katthiwada tehsils of Alirajpur district.

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

Name of company: GOVERNMENT OF MADHYA PRADESH

Address- Executive Engineer,

Narmada Valley Development Department Division 16, Kukshi, Dist-Dhar, Pin : 454331

E-mail- eendd16kukshi@gmail.com

Mobile no .- 7987749769 , Tele No.- 07297-242307

3. Latitude and Longitude of the project.

Between Longitude: 74⁰ 16' to 74⁰ 37' and Latitude: 22⁰ 3.5' to 22⁰ 26'

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

- Not Applicable

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

The project is envisaged as micro lift irrigation scheme by lifting 12.6 cumec of water from Hathni river to provide irrigation in an area of 35000 Ha in Alirajpur dist. It's a new project. Major components of the scheme area as follows:

-Construction of 3 Nos pump houses.

- Construction of 3 Nos Distribution chambers
- Rising Main Pipe Line.
- Distribution network pipe line.
- Electrical Transmission line

| | |
|------------------------------|--|
| Access to the Project | |
| Nearest Airport | Devi Ahilya Airport, Indore (M.P.) |
| Nearest Rail Head | Chhota Udaipur Gujarat; 75 km from Lifting Point |

Total Area:

Forest Land:

Forest land requirement for the entire scheme has been worked as 14.958 ha. Case for diversion of forest land has already been submitted with reference no. is FP/MP/IRRIG/29973/2017.

Government/Private Land

Project would require only 3.5ha of government/private land permanently for pump houses etc and shall be purchased by mutual agreement.

Temporary Land for Laying of Pipeline

The pipe shall be laid 1.00 m below average ground level and land will be restored immediately on completion of the work, therefore, no land for laying of pipes shall be acquired permanently. Wherever, the pipeline will pass through private land, temporary land acquisition will be done as per Bhumiगत Pipeline Cable Avam Duct Adhinyam, 2012/Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation & Resettlement Act 2013. The temporary land requirement is approximately 80 ha.

6. Cost of the project :- Rs833.35 Cr

7. Whether the project is in Critically Polluted area. –No

8. If the project is for EC under EIA Notification, 2006 a) For the first time appraisal by EAC (i) Date of TOR: (ii) Date of Public Hearing, location (iii) Major issues raised

during PH and response of PP b) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.

For the project, the Form-1 was submitted online March 14, 2017. Scoping clearance for the project was recommended by SEAC during its meeting held on April 28, 2017.

Public Hearing for Alirajpur LIS scheme was conducted by Madhya Pradesh State Pollution Control Board (MPSPCB) on 29th July 2017 at MukhyaMantriGraminHaat Bazar Complex, Village Walpur, tehsil Sondwa, District Alirajpur.

During the public hearing, public in one voice asserted that project should implemented at the earliest so that irrigation benefits can be reaped. Views of public can be summarized as below:

- Due to shortage of water in the region, there is a problem of irrigation for agriculture. Hence, proposed scheme should be implemented at a fast pace.
- Due to proposed scheme, there would be economical self-independence of farmers and consumption of electricity and diesel shall come down.
- Proposed scheme will bring economic prosperity in the region. Economical self-independence shall bring development and increase in literacy rate.
- Under the proposed scheme, plantation should be taken up as per norms by environment department.

9. If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.

14.958 ha of forest land is required for the project. Case for diversion of forest land has already been uploaded and registered with reference no. FP/MP/IRRIG/29973/2017. The Form A, Part I is already examined and approved by Nodal officer.

10. If the project falls within 10 km of eco- sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.

No

11. Waste Management (i) Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling / reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management

Not Applicable

- 12. Other details (i) Noise Modelling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made**

In a water resource project, air and noise pollution occurs mainly during project construction phase. During operation phase, no major impacts are envisaged. However it is clarified that since the project is a Lift Irrigation Scheme mainly with underground pipeline air & noise pollution will not have any impact.

Water conductor system (Pipeline) shall be crossing several streams. Improved availability of irrigation in the area shall lead to reduced extraction of ground water for irrigation and domestic uses thus reversing ground water decline in the region. No adverse impact on downstream users is envisaged.

- 13. If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan**

Not Applicable

- 14. If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :**

Not Applicable

- 15. Other information (i) Investment/Cost of the project is Rs. in crore). (ii) Employment potential (iii) Benefits of the project**

- i. The cost of the project is 833.35 Crore.
- ii. During the construction of the project local villagers will get employment in different activities of the project .
- iii. It will benefit 35000 Ha in tribal area of Alirajpur Districts

- 16. Date of Ground water clearance:**

Not Applicable

17. Date of mine closure approval

Not Applicable

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

Not Applicable

During presentation, it was observed that approx. 14.958 ha forest area is involved in the project for which PP submitted that they have applied for the FC clearance and submitted the copy of online acceptance letter. PP was asked to submit complete set of the application made for the FC clearance. It was also observed that at the time of TOR presentation, PP informed that only 8.05 ha forest area is involved while in EIA report 14.958 ha area is reported as forest area for which PP was asked to submit clarification. PP also submitted that since no permanent land acquisitions is required no process of land acquisitions is initiated till date and further they were in impression that any action including land acquisition can only be initiated after EC is granted. However, they have carryout the primary survey of the area for temporary land acquisition. After presentation, PP was asked to submit response on following:

1. Copy of complete set of the application made for the FC clearance.
2. At the time of TOR presentation, PP informed that only 8.05 ha forest area is involved in the project while in EIA report, 14.958 ha area is reported as forest area for which PP was asked to submit clarification.
3. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging) for which a written commitment should be submitted by the PP.
4. Disposal plan of waste oil generated from the DG sets should be provided.
5. Primary survey of the area for temporary land acquisition with details of PEPS.
6. Details of facilities to be provided to the workers with their budgetary provisions should also be submitted.
7. In awareness programmes, education for tribal's should be included.

PP has submitted the reply vide letter dated 08/11/2017 which was placed before the committee for discussions.

The query reply was presented by the PP and their consultant. 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 EC for Alirajpur Lift Irrigation Scheme Near

Roligaon Village, Tehsil - Sondwa, Distt.- Alirajpur, (M.P.) subject to the following special conditions and stage –I Forest Clearance under Forest (Conservation) Act, 1980:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction/plant 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

5. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
6. Fire extinguishers should be provided on site during construction/ plant erection period.
7. 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.
8. No digging should be carried out within the 15 meters of any structure (intended to 01 meter digging).
9. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
10. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
11. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
12. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
13. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

14. 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

15. Muck management shall be carried out as per the submitted plan.
16. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
17. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
18. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
19. Use of Solar Energy should be promoted in the project area where ever possible.
20. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
21. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
22. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

23. As proposed, power requirement should not exceed 35.50 MW.
24. The proposed EMP and CSR cost is Rs. 965.00 lacks and Rs. 740.00 lacks for 05 years are proposed as recurring expenses out of which Rs. 760.95 lacks is proposed for green belt development and Rs. 300.00 lacks for 05 years for recurring expenses for plantation in the proposed EMP of this project. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
25. Under CSR activity different activities and should be implemented through respective committees.
26. All commitments pertaining to public hearing shall be mandatory on part of PP.
27. 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.

28. 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.
29. 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.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. 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.

As per MoEF&CC OM dated 09/09/2011, PP has submitted the online application (FP/MP/IRRIG/29973/2017) for forest clearance and copy of the same has been submitted by PP. As per the above referred OM, SEAC has considered the case and made the above recommendations for grant of prior EC for Alirajpur Lift Irrigation Scheme Near Roligaon Village, Tehsil - Sondwa, Distt.- Alirajpur, (M.P.) subject to stage –I Forest Clearance under Forest (Conservation) Act, 1980. PP has been instructed to submit Stage-I forestry clearance to SEIAA within the stipulated time limit.

(Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. J. P. Shukla)
Member

(Dr. Sonal Mehta)
Member

(Prashant Shrivastava)
Member

(Dr. R. Chaudhary)
Member

(Mohd. Kasam Khan)
Chairman