STATE EXPERT APPRAISAL COMMITTEE **23rd June 2017**
MINUTES OF 294th MEETING

The 294th meeting of the State Expert Appraisal Committee (SEAC) was held on 23rd June, 2017 under the Chairmanship of Dr. R.B. Lal for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. U. R. Singh, Member.
2. Shri Manohar K. Joshi, Member.
3. Shri R. Maheshwari, Member.
4. Dr. Mohini Saxena, Member
5. Shri A. A. Mishra, Secretary

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

1. **Case No. - 5373/2016 Executive Engineer, M.P. Audyogik Kendra Vikas Nigam (Indore) Ltd, Ist & IInd Floor, 3/54, Press Complex, AB Road, Indore, (M.P.) – 452011*New Construction Projects and Industrial Estate Meghnagar Industries Area, Meghnagar Town, Tehsil - Meghnagar, Distt. - Jhabua, (M.P.)Total Plot Area - 223.75 Ha.(2237500.00 Sqm.), Net Planing Area - 2237500.00 Sq.m, Total Industrial Plot Area – 1329902.00 Sq.m, Amenities Area – 73136.00 Sq.m, (Cat. -7(c) Project).* ToR Recommended in 282nd SEAC Meeting dt. 10/10/16. Valid up to 09/10/2019. EIA Consultant: M/s SMS Envirocare Ltd., PUNE.**

The project belongs to Meghnagar industrial area and as per the Schedule attached to the EIA Notification 2006 and its amendment in 2009 the project is covered under Project or Serial No. **7(c) "Industrial estates/ parks/ complexes/ areas, export, processing Zones, (EPZs), Special, Economic Zones, (SEZs), Biotech, Parks, Leather, Complexes"** requiring prior Environmental Clearance (EC). It is categorized as Category B (area <500 ha), and shall be apprized by the State Environment Impact Assessment Authority (SEIAA), Madhya Pradesh. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

S.NO.	DETAILS	INFORMATION
1	Name of the Project	Meghnagar Industrial Area
2	Location	Tehsil: Meghnagar District: Jhabua State: Madhya Pradesh
3	Regulatory Framework	Whereas the industrial area was developed before the EIA Notification, 2006, hence the environmental

S.NO.	DETAILS	INFORMATION
		clearance was not required. State Environment Impact Assessment Authority (SEIAA), Madhya Pradesh in its 250th meeting dated 15th October, 2015 has directed to conduct the Environment Impact Assessment study in the entire Meghnagar Industrial area. The recommendation was accorded to MPAKVN against the continuous agitation of local people residing near Meghnagar over the issue of industrial pollution from Meghnagar Industrial area.
4	Topo sheet No.	46J/5, 46J/9, 46I/8, 46I/12
5	Capacity	Total Plot Area: 223.75 hectare for Industrial Development
6	Name of Project Proponent	**M.P. Audyogik Kendra Vikas Nigam (Indore) Ltd.** (A Govt. of M.P. undertaking –Subsidiary of MPTRIFAC)
7	Area Requirement	Total Plot Area: 223.75 hectare for Industrial Development
8	Water Requirement	For Industrial Area: 1.2 MLD For Meghnagar Villager: 0.5 MLD Stop Dam: 3.6 MLD Capacity
9	Power Requirement	Total Power Requirement: 6MW Source: MP PaschimKhetraVidhyutVitran Co. Ltd.
11	Project Cost	78.20 crore

The case was presented by the PP and their consultant wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:

a. Complete inventory of existing industries w.r.t. their type, capacity, products, existing pollution control facilities and details of hazardous wastes generated and their disposal practices be provided with the EIA report. It should also be specified that how many of these industries falls under the gambit of EIA Notification, 2006 and have obtained EC.
b. Detailed list of industries (along with list of products) for which MP AKVN, Jhabua has so far allotted the land.

c. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
d. PP should explore the possibility of providing common infrastructure for waste treatment and its disposal facility and plan should be discussed in the EIA report.
e. Detailed survey report of contaminated site located in the industrial area and its decontamination plan should be discussed in the EIA report.
f. Storm water management plan of the entire industrial area of Jhabua.

PP has submitted the EIA Report vide letter no. AKVN/IND/TECH/2017-18 dated 07/06/2017 which was forwarded by SEIAA vide letter no. 733 dated 15/06/17.

The case was presented by the PP and their consultant wherein PP submitted that this IA was developed in the year 1984 and the project cost was 78.20 cr. Following submissions were made by the PP:

ENVIRONMENTAL SITTING

SR. NO.	PARTICULER	DESCRIPTION
1.	Geographical coordinates	Latitude: 22°54'46.21"N Longitude: 74°33'19.32"E Elevation: 329 MSL
2.	Topo-sheet No.	46J/5, 46J/9, 46I/8, 46I/12 of SOI
3.	Nearest railway station	Meghnagar railway Station at 1.5 km in SW
4.	Nearest airport	Devi Ahilya Bai Holkar Airport, Indore at 165 km in ENE direction
5.	Nearest National Highway	NH-59 (Old) at 10.45 Km in S direction
6.	Nearest town	Meghnagar at 2.0 km in SW direction
7.	District Head Quarter	Jhabua City at 15 km S direction
8.	Nearest water bodies	Anas River 6.0 km in S direction

9.	Nearest Inter State Boundaries	Madhya Pradesh-Gujarat: 8.5 km in W direction
10.	Eco Sensitive Zone (National Park, Wildlife Sanctuary, Biosphere Reserve, Wild Life Corridors etc.)	Not within 10 km radius from the project boundary
11.	Historical & Archeological Important Place, Defense Establishment	

LAND USE

Type	Area is sq. m	Area in Ha
Total Area of MIA	22,37,500	223.75
Plots covered by running Industries	5,84,197	58.41
Plots covered by Under Construction Industries	83,564	8.35
Plots covered by Closed Industries	1,61,824	16.18
Area under Vacant Plots	3,94,545	39.45
Total Area Plotting	12,24,130	122.42
Remaining land under MIA	10,13,300	101.33

TYPE OF INDUSTRIES

Type of Industries	Running	Proposed
Chemicals Industries	22	5
Food Industries	17	3
Engineering Industries	17	4
Minerals Industries	24	3
Other Industries	13	2
Total	93	17

WATER REQUIREMENT

Particular	Details	Source	Remark
Water	Total: 1.7 MLD Industrial Use: 1.2 MLD Nearby Village Use: 0.5 MLD	Stop Dam already Constructed on Anas River. Pump house and Pipeline system installed to transfer water from river to MIA.	Water Treatment Plant (WTP) of 3. 6 MLD provided for treatment of water before supply

POWER REQUIREMENT

Particular	Details	Source	Remark
Electricity/Power	Total: 6 MW	MP Paschim Kshetra Vidyut Vitran Co. Ltd. (MPPKVVCL)	A sub-station of 64000 Kva has already installed by MPPKVVCL for proper supply of Electricity

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

1. As per TOR suggested by the committee PP was asked to provide complete inventory of existing industries w.r.t. their type, capacity, products, existing pollution control facilities and details of hazardous wastes generated and their disposal practices be provided with the EIA report. It should also be specified that how many of these industries falls under the gambit of EIA Notification, 2006 and have obtained EC. However, PP has not provided the complete inventory and critical information related to the problem such as existing pollution control facilities and details of hazardous wastes generated and their disposal practices in the existing industries and details of industries falling under the gambit of EIA Notification, 2006 and have obtained EC is not submitted with the EIA report by the PP.

2. As per TOR suggested by the committee PP was asked to provide detailed survey report of contaminated site located in the industrial area and its decontamination plan in the EIA report. However the issue has not been addressed in the EIA report.

3. In the proposed EMP, rain water harvesting is suggested for the individual industries. Thus considering the current scenario of the Meghnagar IA, PP should further elaborate this issue.

4. In the Environmental Impact chapter, following subjective statements are made by the PP:

- ✓ Air Pollution controlling equipment are not properly working in many of industries.
- ✓ Contaminated GW is the source of Soil Pollution.
- ✓ Ambient Air Quality at closed to the industries are not matching with norms.
- ✓ Regular Air quality & Stacks monitoring are not being conducted properly by industries.
- ✓ Transportation of Raw material in open vehicles is one of the main issues of air pollution.
- ✓ Out of 26 industries, total 10 industries are providing partial treatment.
- ✓ Major issues of water pollution is discharge of untreated/partial treated water to open drain which mix with storm water drain causing ground water & surface water pollution.
- ✓ Open dumping of industrial waste is also identified in MIA.

Committee suggested that being the EIA of the Meghnagar IA, PP should have submitted the in-depth analysis on above issues by providing the name and location of industries where APCD are not working, stack monitoring not performed, providing partial treatment to the waste and discharging untreated waste in the drains, details of area where open dumping of industrial waste is practiced.

5. Complete green belt plan of the Meghnagar IA with proposal for dense peripheral plantation.

2. Case No. - 5468/2016 M/s Indian Oil Corporation Ltd, Indian Oil Bhavan, Madhya Pradesh State Office, 16, Arera Hills, Jail Road, Bhopal (M.P.) - 462011 Prior Environment Clearance for Proposed LPG Bottling Plant at Plot No. GAF - 8 and 9 at Industrial Development Corporation, Malanpur, District : Bhind, (M.P), Total Plot Area-12.14 ha (30 acres) Capacity- 3X600 MT Moulded LPG Storage Bullets (Cat. – 6 (b) Project). For- EIA Presentation.

PROJECT PROPOSAL

The project proposal is to set up LPG Bottling Plant at Plot No. GAF - 8 and 9 at Industrial Development Corporation, Malanpur, District - Bhind, (M.P), Total Plot Area-12.14 ha (30 acres) Capacity- 3X600 MT Moulded LPG Storage Bullets ha. (Cat. – 6 (b) Project).

SALIENT FEATURES OF THE PROJECT

SN	COMPONENT	DETAILS
1	Type of Project	Proposed 3x600 MT mounded bullets for proposed LPG bottling plant within IIDC Malanpur Dist: Bhind, Madhya Pradesh. Schedule 6(b) Category 'B' – Isolated Storage & Handling of Hazardous Materials
2	Total	Rs 141.33 Crores
3	Land Area	Plot area: 12.14 ha (30 acres)
4	Power	Approx. 400 kWh is required. The power supply to the Plant is from Madhya Pradesh State Electricity Board (MPSEB). DG sets of 1x250 kVA and 1x750 KVA
5	Water	5m^3 approximately. Source: IIDC Malanpur Fire Water provided: 3x2500 m^3 = 7,500 m^3
6	Pollution Control Equipment	**Air:** ▪ DG sets of BIS specifications will be provided. DG set stacks as per CPCB guidelines. ▪ Water sprinkling at regular basis
		Water: ▪ Septic Tank

		▪ All operations in closed system.
		Noise: ▪ Acoustic enclosure for DG set ▪ Green Belt development will be provided. ▪ Noise level to be maintained less than 75dBA in day time at boundary.
		Solid Waste Management ▪ Plastic bags and Drums will be sold to SPCB authorized agencies. ▪ Hazardous solids waste if any will be disposed to CHWTSDF.

PROCESS DESCRIPTION

- There is no manufacturing in Bottling Plant
- The process at the BP can be divided into:
- **RECEIPT** of LPG through bullet trucks
- **STORAGE** of LPG in tanks fabricated as per international standards.
- **FILLING** in cylinders through one Carousel with 24 filling points
- **DISPATCH** of LPG cylinders through Tanker Lorries.
- The entire operation of **RECEIPT, STORAGE, FILLING AND DISPATCH** of LPG is carried out in a closed system thereby eliminating risk of spillage and to achieve enhanced safety.

Earlier this case was scheduled in 285th SEAC meeting dated-26/12/2016 wherein PP informed that they have started collecting the data from November, 2016. After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TORs:-

1. Site specific risk assessment study should be carried out and same should be submitted with EIA report.

2. Submit the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone.
3. Since segregation and necessary correction of defected cylinders is proposed in the project proposal, their environmental consequences should be studied and discussed in the EIA report.
4. Detailed green belt plan with area, name of species and their number should be provided in EIA report.
5. Any area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
6. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
7. If there is any sensitive area within 5kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.

PP has submitted the EIA report vide letter dated 31/03/2017 which was forwarded by the SEIAA vide letter no. 139/SEIAA/17 dated 07/04/2017.

The case was presented by the PP and their consultant in the 289th SEAC meeting dated 28/04/2017 wherein PP requested for the exemption from the public hearing which was to be conducted as per the standard TOR prescribed by the MoEF&CC for carrying out EIA study in the 285th SEAC meeting dated-26/12/2016. During discussion PP informed that as per the MoEF&CC OM dated 10th December, 2014 this project is located in industrial area at plot no. GAF - 8 and 9 of Industrial Development Corporation, Malanpur, District : Bhind, Madhya Pradesh and this industrial area was notified prior to 2006 and thus does not require public hearing. But PP could not put up any proof in support of their above submission before the committee for considering such exemption. Thus committee after deliberations decided that PP should either provide documentary evidence in support of seeking exemption or carryout public hearing of the site as per the procedure laid down in the EIA Notification, 2006. It was also informed to the PP that the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone is still not submitted by them in the format prescribed by the SEIAA and same should be furnished at an early date for further consideration of the project.

The PP has submitted documents related to public hearing exemption vide letter dated 14/06/2017 which were placed before the committee in the 292nd SEAC meeting dated 16/06/2017. PP was also present during discussion. On perusal of the

documents it was observed by the committee that IIDC, Gwalior vide letter dated 23.05.2017 has informed to PP that Ghirongi, Malanpur was sanctioned in the year 1985 vide office order no. 8-2/8/11/31 Bhopal dated 10/09/1987. The committee on perusal of the documents and relevant submission made by PP recommended that this project can be exempted from public hearing.

The case was presented by the PP and their consultant wherein the EMS and other submissions made by the PP earlier were found to be satisfactory and acceptable. Thus committee decided to recommend **the case for grant of prior EC subject to the following special conditions:**

1. Adequate buffer zone to be created around the mounded bullets, and other facilities, as per the requirements of OISD or other statutory requirements.
2. VOC and HC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF&CC.
3. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted regularly and reports should be submitted to concerned authorities.
4. PP should install oil & grease trap and entire process effluent should be channelize through oil & grease trap before sending effluent to the ETP (if required). Zero liquid discharge shall be observed and no treated waste water should be discharged outside the plant premises.
5. The project authorities should comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
6. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities such as PESO & OISD.
7. Green area including thick green-belt shall be developed and minimum 2000 trees should be planted to mitigate the effect of

fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.

8. Vermi Composting should be practiced for the kitchen waste and manure shall be used in the green area.
9. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
10. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road. No parking of loading and unloading vehicles related to this faculty outside plant premises is permitted.
11. The Environmental Management Cell with suitably qualified and experienced 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.
12. Good housekeeping shall be maintained within the 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.
13. PP will obtain other necessary clearances/NOC.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
16. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
17. The ambient air quality shall be monitored in and around the industry 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.
18. 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 confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
19. LED Solar lightings shall be used in campus to save energy.

20. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed unit shall require a fresh Environment Clearance.

3. Case No. - 5469/2016 M/s Indian Oil Corporation Ltd, Indian Oil Bhavan, Madhya Pradesh State Office, 16, Arera Hills, Jail Road, Bhopal (M.P.) - 462011 Prior Environment Clearance for Proposed LPG Bottling Plant at Sector "B-1 (P&H)", Industrial Growth Center, Maneri, Distt.- Mandla, (M.P.) Total Plot Area-18.21 ha (45 acres) Capacity- 3X600 MT Moulded LPG Storage Bullets (Cat. – 6 (b) Project).

PROJECT PROPOSAL

The project proposal is to set up LPG Bottling Plant at Sector "B-1 (P&H)", Industrial Growth Center, Maneri, Distt.- Mandla, (M.P.) Total Plot Area-18.21 ha (45 acres) Capacity- 3X600 MT Moulded LPG Storage Bullats ha. (Cat. – 6 (b)Project).

SALIENT FEATURES OF THE PROJECT

SN	COMPONENT	DETAILS
1	Type of Project	Proposed 3x600 MT mounded bullets for proposed LPG bottling plant near IGC, Maneri, Madla Dist: Jabalpur, Madhya Pradesh Schedule 6(b) Category 'B' – Isolated Storage & Handling of Hazardous Materials
2	Total	Rs 120.27 Crores
3	Land Area	Plot area: 18.21 ha (45 acres)
4	Power	Approx. 400 kWh is required. The power supply to the Plant is from Madhya Pradesh State Electricity Board (MPSEB) DG sets of 1x250 kVA and 1x750 KVA
5	Water	$5m^3$ approximately. Source: IGC Maneri

		Fire Water provided: 3x2500 m^3 = 7,500 m^3
6	Pollution Control Equipment	**Air:** ▪ DG sets of BIS specifications will be provided. DG set stacks as per CPCB guidelines. ▪ Water sprinkling at regular basis
		Water: ▪ Septic Tank ▪ All operations in Closed system.
		Noise: ▪ Acoustic enclosure for DG set ▪ Green Belt development will be provided. ▪ Noise level to be maintained less than 75dBA in day time at boundary.
		Solid Waste Management ▪ Plastic bags and Drums will be sold to SPCB authorized agencies. ▪ Hazardous solids waste if any will be disposed to CHWTSDF.

PROCESS DESCRIPTION

- There is no manufacturing in Bottling Plant
- The process at the BP can be divided into:
- **RECEIPT** of LPG through bullet trucks
- **STORAGE** of LPG in tanks fabricated as per international standards.
- **FILLING** in cylinders through one Carousel with 24 filling points
- **DISPATCH** of LPG cylinders through Tanker Lorries.
- The entire operation of **RECEIPT, STORAGE, FILLING AND DISPATCH** of LPG is carried out in a closed system thereby eliminating risk of spillage and to achieve enhanced safety.

Earlier this case was scheduled in 285th SEAC meeting dated-26/12/2016 wherein PP informed that they have started collecting the data from November, 2016. After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. Site specific risk assessment study should be carried out and same should be submitted with EIA report.

2. Submit the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone.
3. Since segregation and necessary correction of defected cylinders is proposed in the project proposal, their environmental consequences should be studied and discussed in the EIA report.
4. Detailed green belt plan with area, name of species and their number should be provided in EIA report.
5. Any area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
6. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
7. If there is any sensitive area within 5kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.

PP has submitted the EIA report vide letter dated 31/03/2017 which was forwarded by the SEIAA vide letter no. 141/SEIAA/17 dated 07/04/2017.

The case was presented by the PP and their consultant in the 289th SEAC meeting dated 28/04/2017 wherein PP requested for the exemption from the public hearing which was to be conducted as per the standard TOR prescribed by the MoEF&CC for carrying out EIA study in the 285th SEAC meeting dated-26/12/2016. During discussion PP informed that as per the MoEF&CC OM dated 10th December, 2014 this project is located in industrial area at Sector "B-1 (P&H)", Industrial Growth Center, Maneri, Distt.- Mandla, Madhya Pradesh and this industrial area was notified prior to 2006 and thus does not require public hearing. But PP could not put up any proof in support of their above submission before the committee for considering such exemption. Thus committee after deliberations decided that PP should either provide documentary evidence in support of seeking exemption or carryout public hearing of the site as per the procedure laid down in the EIA Notification, 2006. It was also informed to the PP that the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone is still not submitted by them in the format prescribed by the SEIAA and same should be furnished at an early date for further consideration of the project.

The PP has submitted documents related to public hearing exemption vide letter dated 14/06/2017 which were placed before the committee in the 292nd SEAC meeting dated 16/06/2017. PP was also present during discussion. On perusal of the

document it was observed by the committee that Directorate of industries, GoMP, Bhopal vide office letetr no. 4/ID/MIS(4)/2012/365 Bhopal dated 31/01/2014 has informed to PP that Maneri Industrial Area/ Growth Center was approved in the year 1985-86. Further IIDC, Jabalpur vide letter dated 08.05.2017 has informed to PP that IDC, Maneri was sanctioned in the year 1985-86. The committee on perusal of the documents and relevant submission made by PP, recommended that this project can be exempted from public hearing.

The case was presented by the PP and their consultant wherein the EMS and other submissions made by the PP earlier were found to be satisfactory and acceptable. Thus committee decided to recommend **the case for grant of prior EC subject to the following special conditions:**

1. Adequate buffer zone to be created around the mounded bullets, and other facilities, as per the requirements of OISD or other statutory requirements.
2. VOC and HC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF&CC.
3. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted regularly and reports should be submitted to concerned authorities.
4. PP should install oil & grease trap and entire process effluent should be channelize through oil & grease trap before sending effluent to the ETP (if required). Zero liquid discharge shall be observed and no treated waste water should be discharged outside the plant premises.
5. The project authorities should comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
6. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities such as PESO & OISD.

7. Green area including thick green-belt shall be developed and minimum 3000 trees should be planted to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
8. Additional land approx. 2.00 ha is available on the northern side of the project area which should be exclusive developed in the green belt and minimum 2000 trees should be planted on this land.
9. Vermi Composting should be practiced for the kitchen waste and manure shall be used in the green area.
10. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
11. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road. No parking of loading and unloading vehicles related to this faculty outside plant premises is permitted.
12. The Environmental Management Cell with suitably qualified and experienced 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.
13. Good housekeeping shall be maintained within the 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.
14. PP will obtain other necessary clearances/NOC.
15. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
16. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
17. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
18. The ambient air quality shall be monitored in and around the industry 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.
19. 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 confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

20. LED Solar lightings shall be used in campus to save energy.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed unit shall require a fresh Environment Clearance.

4. Case No. - 5557/2017 M/s Jakhodia Minerals, Jakhodia Group 184, Samta Colony, Raipur, (C.G) Prior Environment Clearance for Capacity expansion in Iron Ore Beneficiation Plant, Village - Dhamki, Tehsil - Sihora, Distt.- Jabalpur, (M.P.)

This is a project for Iron Ore Beneficiation and is covered under the provision of EIA Notification Category 2(b) hence requires prior EC from SEIAA. The EIA report submitted by the PP was forwarded to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, EIA and the proposed EMP.

The case was scheduled in the 291st SEAC meeting dated 30/05/2017 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. Committee decided to call the PP in subsequent meetings and if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was again scheduled in the 292nd SEAC meeting dated 16/06/2017 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. Committee decided to call the PP in subsequent meetings and if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today again, 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 291st SEAC meeting dated 30/05/2017 and 292nd SEAC meeting dated 16/06/2017. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remaind absent,

the case be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

5. Case No. - 5578/2017 District Magistrate & Collector Bhopal, Collectorate, A-Block, Old Sectt., Bhopal, (M.P.) Prior Environment Clearance for Redevelopment and Redensification of Government Housing under Ram Nagar, Pari Nazar, Bara Mahal Scheme, Tehsil - Huzur, Dist. Bhopal, (M.P) For- Building Construction.

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was presented by the PP and their consultant wherein during presentation and deliberations, it was observed that the site is within 10 Km radius of Van Vihar National Park (a Notified PA). Clearance from NBWL is therefore needed. Thus PP was asked to apply online for NBWL clearance and a copy of the application may be submitted to SEAC for further appraisal of the project.

6. 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/Annumn (Including value added Metalized film 12000 MT, Holographic Film- 1200 MT) Area- 68,592 sq/m. (Additional Product-Polyester Resin)

BACKGROUND

The case was initially discussed in the 173rd SEAC meeting dated 23/02/2015 wherein committee after deliberations has approved the TOR with inclusion of following points in addition to standard TOR to be addressed in EIA / EMP:

- Note detailing production processes for all the proposed products (i.e *Polyester Film, Polyester Resin, value added Metallised film and Holographic Film)* and the proposed change in fuel, so as to justify the need of prior EC.
- Justify the proposed use of Pet Coke in place of Oil/Gas as fuel in terms of Sulphur contents / SO2 emissions.

- Expected adverse impacts from the proposed activities and the mitigations planned thereby to be furnished in EIA / EMP.

Later on 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.

Shri M.K. Joshi, Member SEAC and Shri R. Maheshwari, Member SEAC visited the site on 21/05/2017. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, M. P. Pollution Control Board, Bhopal and Shri Manoj Jain, Plant Head and Mr. Mishra, Head Admin., were also present. The concerned Regional Officer, of MPPCB Dhar Region, Shri Shri AK Bisen, EE accompanied the SEAC team to the site.

Salient features of the project:

This is an industrial project comprising production of Polyster 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). Later on 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 proposed project falls under Indore Specific Economic Zone at Pithampur, Indore in 68592 sq/m area (16.95 Acre).

Plot/Survey/Khasra No.	Indore SEZ, 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 A
Village/Town	Pithampur
Tehsil	Pithampur
District	Dhar
State	Madhya Pradesh

Sr. No	**Name of product**	**Existing Products**	**Total After expansion**	
1	Polyester film	64123 MTPA	-	
2	Polyester Resin	61,000MPTA	19,000 MT/annum	
3	Metallized film	12000 MT		
4	Holographic Film	1200 MT	-	
5	Solid Fuel Fired Thermic Fluid heater	9 MKCal/hr X2 Liquid and Gas Fules	9 MKCal/hr X2+08 Million Kcal/hr	
6.	Offline Coating Machine	--	3600 TPA	
7.	Metalizer	--	27,000 TPA	

Sr. No	**Name of product**	***ToR Granted for following capacity**	**Additional capacity**	**Total Capacity after ToR amendment**
1	Polyester film	64123 MTPA	-	64123 MT/annum
2	Polyester Resin	61,000MPTA	19,000 MT/annum	80,000 MT/annum
3	Metallized film	12000 MT		12000 TPA
4	Holographic	1200 MT		1200 TPA

	Film		-	

Sl.	Particulars	Details
1.	Project Location	Indore 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, Pithampur-454775, Dhar- District, Madhya Pradesh
2.	Toposheet No.	46 N/10
3.	Climatic Conditions	Mean annual rainfall is around 833 mm. In summer the highest day temperature is in between 31°C to 43°C. Average temperature in January is 21°C and fluctuates between 21 to 28°C in winter.
4.	Site elevation above Mean Sea Level	Highest Observed: 551m Lowest Observed: 548m
5.	Land use of proposed project site	Flat terrain, under SEZ, Pithampur (Indore), Barren land
6.	Site topography	Flat
7.	Nearest roadway	Pithampur Ghatabilod Road ~0.3 Km, N
8.	Nearest Railway Station	Mhow Railway Station ~19 Km, ESE Indore Railway Station ~29 Km, ENE
9.	Nearest Air Port	Devi Ahilyabai Holkar (Indore) Airport ~24 Km, ENE
10	Nearest village/major town	Nearest town- Pithampur ~9 Km, ESE
11.	Nearest Port	NA
12.	Nearest lake	NA
13.	District Headquarters	Dhar, 31 Km. W
14.	Nearest city	MHOW in 18 km
15.	Nearest state/National Boundaries	Maharashtra
16.	Nearest major city with 2,00,000	Indore 45 km

	population	
17.	Distance for sea coast	NA
18.	Hills/valleys	NA
19.	Nearest Reserved/Protected forests	Betma Reserve Forest ~ 5.1 ENE Bhawargad Protected Forest ~8.2 NE
20.	Historical/tourist places	Nil
21.	Nearest Industries	The project itself under a Notified Special Economic Zone
22.	Nearest water bodies	Angrer River ~3 Km SE from project site
23.	Seismic zone	Seismic zone III as per IS-1893 (part-I)-2002

OBSERVATIONS

The site is located in Special Economic Zone, phases I and at present is in operation with existing production capacities of Polyester Resin 61,000 MT/Year, Polyester Film 64,123 MT/Year, Metallized Film 12,000MT/Year and Holographic Film 1200 MT. Two liquid & Gas fuels fired thermic fluid heather of 09 MKCal/Hr are also in operation. The proposal is to enhance the production of polyester resin by 19,000 MT/annum and to install Offline Coating Machine 3600 TPA, Metalizer 27,000 TPA. It is also proposed to install additional Petcoak& Coal fired heater of 08 MKCal/hr.

During inspection it was observed that the unit is operating polyester resin plant for 61,000 MT/Year with Two liquid & Gas fuels fired thermic fluid heather of 09 MKCal/Hr. The waste water generated from the unit is treated in the ETP of 55m3/day. The present load of effluent is 38m3/day. However, the domestic effluent approx. 40 m3/year is treated in the CETP. The generated hazardous wastes are disposed of through CTSDF, Pithampur, Dhar. The housekeeping of the plant premises was very good and no ongoing constructional /plant erection activities were noticed during the site visit. The green belt is developed all around the plant premises and as informed 5169 trees is planted till date.

The inspection report was placed before the committee for discussion in the 290th SEAC meeting dated 22/05/2017. Committee observed that no ongoing constructional /plant erection activities were noticed during the site visit and thus no additional TOR to that already given in 275th SEAC meeting dated 12/05/2016 is proposed and reiterates the points already given in ToR.

The case was scheduled for the EIA 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. Committee decided to call the PP in subsequent meetings for appraisal of the EIA report.

7. Case No. - 5496/2017 Shri Shardul Shah, Director India Waste Management Pvt. Ltd, 30, MLA Quarters, Bhadbhada Road, T.T. Nagar, Bhopal, (M.P) – 462003 Prior Environment Clearance for Common Bio Medical Waste Treatment Facility at Plot No. E3, Industrial Area No. –II, Mandideep, Tehsil - Goharganj, Distt.- Raisen, (M.P.) Cat. 7 (da) Common Hazardous Waste Treatment Storageand disposal facilities (TSDFs)

The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category "B" Projects of activity 7 (da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

PROJECT DETAILS

- M/s India Waste Management Pvt. Ltd. is proposing to establish Common Bio-Medical Waste Treatment Facility near Bhopal in district Raisen to provide cleaner and healthier environment.
- The project Incharge is Mr. Shardul Shah (Director).
- The project site is industrial plot having an area of 2.0006 ha. land is on lease by AKVN to M/s India Waste Management Pvt. Ltd.
- Collection, transportation, storage & treatment of Bio Medical Waste as stipulated in Biomedical Waste Management Rules, 2016 and CPCB Guidelines for installation of Common Bio-medical Waste Treatment Facility.

<table>
<tr><td>Project Name</td><td>Common Bio Medical Waste Treatment Facility (CBWTF)” of M/s India Waste Management Pvt. Ltd.</td></tr>
<tr><td>Director</td><td>Shardhul Shah</td></tr>
<tr><td>Project Site</td><td>E3 – New Industrial Area No. – II, Mandideep, Tehsil - Goharganj; District – Raisen, Madhya Pradesh</td></tr>
<tr><td>Project Area</td><td>20006.669 sq. mt.
2.0004 Ha.</td></tr>
<tr><td></td><td><table>
<tr><td>Work Shed</td><td>4856.04 sq.m.</td><td>24.3%</td></tr>
<tr><td>Staff Rooms & Open Surface</td><td>8548.629 sq.m.</td><td>42.7%</td></tr>
<tr><td>Green Area</td><td>6602 sq.m.</td><td>33%</td></tr>
<tr><td>Total</td><td>20006.669 sq.m.</td><td>100%</td></tr>
</table></td></tr>
<tr><td>Project Capacity</td><td><table>
<tr><th>Particular</th><th>Capacity</th><th>Nos</th></tr>
<tr><td>Incinerator</td><td>250 kg/hr.</td><td>1</td></tr>
<tr><td>Autoclave</td><td>100 kg/hr. (50 Kg/hr Each)</td><td>2</td></tr>
<tr><td>Shredder</td><td>200 kg/hr. (100 Kg/hr Each)</td><td>2</td></tr>
<tr><td>Effluent Treatment Plant</td><td>200 KLD</td><td>1</td></tr>
<tr><td>Boiler</td><td>2000 kg/hr (1000 Kg/hr Each)</td><td>2</td></tr>
</table></td></tr>
<tr><td>Green Belt Area</td><td>6602 sq. m. (33%)</td></tr>
<tr><td>Total Project Cost</td><td>Rs. 1018.87 Lakhs</td></tr>
<tr><td>Power Requirement & Source</td><td>1000 KVA
Source : MPEB (Madhya Pradesh Electricity Board)</td></tr>
<tr><td>Power backup</td><td>DG Set – 500 kVA</td></tr>
<tr><td>Water Requirement &</td><td>Total requirement will be ~75 KLD</td></tr>
<tr><td></td><td><table>
<tr><td>Floor washing, container washing, incineration etc.</td><td>72.00 KLD</td></tr>
<tr><td>Domestic Use</td><td>3.00 KLD</td></tr>
<tr><td>Total</td><td>75.00 KLD</td></tr>
</table></td></tr>
<tr><td>Source of Water</td><td>AKVN Source</td></tr>
<tr><td>Effluent Treatment Plant & disposal</td><td>200 KLD capacity
ETP Sludge: Disposed through Incineration</td></tr>
<tr><td>Fuel Requirement</td><td>432 KL/Annum of Diesel
Source: Nearest Petroleum Depot</td></tr>
<tr><td>Man Power Requirement</td><td>25 Persons</td></tr>
</table>

<table>
<tr><td></td><td></td></tr>
<tr><td>Nearest Railway Station</td><td>Mandideep Railway Station ~6.0 km towards NW direction</td></tr>
<tr><td>Nearest Airport</td><td>Bhopal Airport ~ 37.8 km towards NW</td></tr>
<tr><td>Coordinates</td><td>
<table>
<tr><th>Latitude</th><th>Longitude</th></tr>
<tr><td>23° 4'47.62" N,</td><td>77°32'21.34"E</td></tr>
</table>
</td></tr>
<tr><td>Water requirement</td><td>
<table>
<tr><td>Phase – 1</td><td>75 KLD per day</td><td>(72 KLD for incinerator;
3 KLD for domestic purposes)</td></tr>
<tr><td>Phase – 2</td><td>44 KLD per day</td><td>Total – 119 KLD per day</td></tr>
<tr><td>Phase – 3</td><td>33 KLD per day</td><td>Total – 152 KLD per day</td></tr>
<tr><td>Phase – 4</td><td>33 KLD per day</td><td>Total – 185 KLD per day</td></tr>
<tr><td>Phase – 5</td><td>75 KLD per day</td><td>Total – 260 KLD per day</td></tr>
</table>
</td></tr>
</table>

The case was presented by the PP and their consultant in the 287th SEAC meeting dated 25/02/2017 wherein it was observed from the Google image based on the co-ordinate provided by the PP that a habitation could be seen approx 75 meters away from the location of the facility (SE side). PP and consultant submitted that this habitat is illegal encroachment and site for facility is being selected as per the Biomedical Waste Management Rules, 2016 and "Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities" published by Central Pollution Control Board in December 21, 2016 wherein it is prescribed in location criteria 6(a) that *"A CBWTF shall preferably be developed in a notified industrial area without any requirement of buffer zone"* and this facility is located in the Mandideep Industrial Area.

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

a. Considering habitation near to the project site (on the SE side), PP will carry out air modeling selecting suitable software and discuss in EIA report where maximum GLC would occur. PP will also submit the exact distance of

nearest habitat (on the SE side) from the all four corners of the project location and justify that this CBWTF will not cause any adverse impact on environment and habitation in the vicinity.

b. Data collection of EIA should be done under the intimation to the M.P. Pollution Control Board, Bhopal. PP may also use the M. P. Pollution Control Board's laboratory for monitoring of air, noise water and soil.
c. One monitoring location should be fixed in the nearby habitation (on the SE side) for monitoring of air, noise water, soil etc.
d. Considering habitation near to the project site (on the SE side), PP should provide the details of habitations with sensitive features such as no. of houses, no. of residents and details of other structures such as schools, hospitals, source of water supply etc.
e. Justify in EIA report considering habitation near to the project site (on the SE side) that the proposed technology is "Best Available Technology" of CBWTF and also how unit will remain zero discharge.
f. Maximum storage time of Bio-medical waste within the facility and disposal plan of autoclaved material should be discussed in the EIA report.
g. Monitoring of VOC should be added in the proposed monitoring protocol of EIA study.
h. Inventory of existing trees with their species and numbers on the proposed site, any tree falling anticipated and proposed plantation scheme.
i. In the EIA report, PP should provide the type of industries existing in the area with the list of MP, AKVN, Bhopal.

This ToR is in respect of Common Bio Medical Waste Treatment Facility (CBWTF) only excluding laundries proposed in same premises in different phases. However, impact of these laundries should be discussed in detail while presenting worst case scenario.

The case was scheduled for the presentation of the EIA report wherein PP and their consultant were present. During initial discussions Bhopal based committee members informed Chairman that the EIA report of the project was delivered to them yesterday (i.e. 22/06/2017) by the late evening and thus they could not go through the contents of EIA report. Two members form Indore informed that they have not even received the EIA report and thus unable to offer any comments on it. The committee was of the opinion of that EIA report should be made available to members by PP atleast 07 days before the meeting so that during appraisal of the case suitable comments / recommendations can be made. PP present during discussion admits that the EIA report was circulated on 22/06/2017. The committee after deliberations decided that to differ the case for the upcoming SEAC meeting

and PP was also instructed to provide a copy of the EIA report to all the members of the committee for further appraisal of the project.

DISCUSSIONS BASED ON QUERY REPLY SUBMITTED BY PP/ISSUES RECEIVED FROM SEIAA

8. Case No. - 5511/2017 Chief Engineer, NVDA Sanawad, Indira Sagar Project (Canal), Sanawad, Distt. -Khandwa, (M.P.) Prior Environment Clearance for Chhaigaon Makhan Lift Irrigation Scheme, Tehsil - Khandwa, Dist. Khandwa, (M.P.) Liftting Point : Indira Sagar Main Canal from R.D. 22- R.D. 36 km., CCA – 35000 ha., Env. Consultant: R.S. Envirolink Technologies Pvt. Ltd. Gurgaon.

This is lift Irrigation project with Net CCA of 35000 Ha. The water shall be lifted from the existing source and transported to the command area through Pipes using pressurized micro irrigation system therefore, no submergence is proposed in the project. Hence by virtue of the nature of the project and as per MoEF notification SO 3067 (E) dated 01/12/2009, it falls under category– B. 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. The salient features of the project along with the proposed TOR were presented by the PP and their consultants before the committee which reveal following.

Name of the Project	:	Chhaigaon Makhan Lift Micro Irrigation Scheme
Type of Project	:	Lift Micro Irrigation Project
Supply source	:	Indira Sagar main canal
Lifting Point	:	Indira Sagar main canal at RD 26900 m near village Dongargaon
Command	:	In Tehsil Pandhana and Khandwa, District Khandwa
River Basin	:	Narmada
Earthquake Zone	:	Zone-III (Moderate Seismic)

Details of the project

Catchment area of the basin	:	It is a lift scheme hence no independent catchment is being harnessed.

Submergence due to project from existing canal : No submergence it is a lift scheme

Head Regulator(s) **:** Left bank regulator structure shall be constructed

Pump Head **:** 117m + 72m

Pipe System

- Rising Main (I & II) : 18.45 km (10.10+8.35 KM)
- Type : Main - M.S. Pipe
  Disnet HDPE pipe

Distribution system (upto 2.5 ha) **:** Pipe

Efficiencies (percentage)

- Conveyance : 95%
- Field application : 84%

Power Requirement **:** **25.53 MW**

Cost of the project

Head works / RM	:	224.41 Crore
Canal / DISNET	:	350.44 Crore
Establishment charges	:	5 Crore
Total	**:**	**579.85 Crore**

- B. C. Ratio : 2.17

LAND REQUIREMNT

Permanent:

- The entire micro irrigation system has been aligned in such a way, that it doesn't pass through any forest area.
- For construction of pump houses, Brake pressure tank and distribution chamber of the project, private land of about 3 ha shall be purchased

Temporary:

- In private or Govt. land. the pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per Bhumigat pipe line laying act.

- The temporary land requirement is approximately 45 Ha

It was submitted by the PP during presentation in the 287th SEAC meeting dated 25/02/2017 that since project doesn't involve any submergence and water conductor system consists of pipeline, pumping and command area, EIA study is based on secondary data and limited primary data to substantiate secondary level information. Accordingly the TOR was proposed by the proponent. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TOR's:

1. A detail of the source (quantum of water available, other potential users etc.) from 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.
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

PP has submitted the EIA report vide letter dated 30/05/2017 which was forwarded by the SEIAA vide letter no. 632 dated 05/06/17 and 729 dated 14/06/17.

The case was presented by the PP and their consultant in the 292nd SEAC meeting dated 16/06/2017 wherein PP submitted that lift Irrigation project with Net CCA of 35000 Ha. The water shall be lifted from the existing source and transported to the command area through Pipes using pressurized micro irrigation system therefore, no submergence is proposed in the project. No forest area is involved in this project thus FC is not applicable. For monitoring, PP submitted that SCADA system is proposed for which committee suggested that if feasible, CCTV should also be installed at vulnerable points for effective visual coverage of the project site. After presentation, PP was asked to address following issues in EIA report and submit it through SEIAA:

1. Compliance to all standard TOR points as suggested by the MoEF&CC and suggested by the committee during TOR presentation should be provided with the EIA report.
2. Detailed management and disposal plan of muck should be submitted.
3. Compliance of TOR point no. 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" should be submitted.*
4. Only two months data has been collected and discussed in the EIA report for which PP should submit justification. Baseline data should be collected and analyzed strictly as per the Standard TOR prescribed by MoEF&CC.
5. Site specific mitigation measures for air pollution and noise pollution should be submitted.
6. As informed by PP that M/s Apex Testing Research Lab has carried out all the analytical works thus their NABL certificate and all analysis report submitted by them to PP should be provided with EIA report.
7. Heavy metal analysis report for water quality should be submitted.
8. As suggested by the committee, EMP should be submitted with proper breakup capital and recurring costs.

PP has submitted the reply vide letter dated 21/06/2017 which was forwarded by the SEIAA vide letter no. 839/SEIAA/17 dated 22/06/2016 and the same 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 subject to the following special conditions:

1. The soil removed during the excavation will be stacked separately and will be used for the green belt development only. Similarly, muck management shall be carried out as per the submitted plan.
2. As proposed, power requirement should not exceed 25.44 MW.
3. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
4. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
5. All commitments pertaining to public hearing shall be mandatory on part of PP.
6. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
7. During construction phase, 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.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Use of Solar Energy should be promoted in the project area where ever possible.
10. Commitment towards CSR has to be followed strictly.
11. The Project Proponent shall provide proper arrangement for the disposal of hazardous waste (if any) and obtain authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008 from MPPCB.
12. The above conditions will be enforced interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Provision of the Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with amendments and rules.
13. Any other clearance required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable.
14. PP should carryout monitoring as per the submitted schedule in the EMP.
15. In case of any, change in scope of work technology, modernization and enhancement of capacity shall again require prior environmental clearance as per EIA notification, 2006.

09. Case No. – 5571/2017 Executive Engineer, M.P. Housing & Infrastructure Development Board, Div. No. - 2, Deendayal Nagar, Gwalior, (M.P.) -474005 Prior Environment Clearance for Integrated Township - Mixed Used Development Project "Surya Nagar, Gwalior" at Village - Laxmangarh & Baretha, Tehsil & Dist. Gwalior, (M.P.) Total Plot Area – 230590 Sq. Mt. (23.06 ha.), Total Built up Area – 144535. 87Sq. Mt. Building Construction. Env. Consultant- In Situ Enviro Care, Bhopal (M.P.).

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

EXECUTIVE SUMMERY

The proposed site has three distinct elements – (1) Commercial development in form of Transport Nagar (as per Gwalior Development Plan 2021) on 3.4465 Ha area; (2) 1.2714 Ha area forms part of 30 m wide proposed Development Plan Road (which once constructed will connect the site to Gola Ka Mandir and AH-43) and (3) 18.341 Ha area under Residential land use. The current approach to the site is through 7.5m wide PMGSY road which emerges from NH-92. In order to have a proper site connectivity, MPHIDB has been allotted Khasra No. 322/1 which will help connecting the site to AH- 43 through provision of 18m wide road. It is proposed to widen the existing 7.5m wide PMGSY road to 18m on the road stretch which passes through the MPHIDB site.

The planning philosophy for the site is therefore based on the 18m wide approach road; 30m wide Development Plan road and segregation of commercial development in form of transport nagar and residential activities. It is proposed to have separate entry/exit points for commercial development as transport nagar and residential use zones. The notion of neighborhood means the place where people live. The neighborhood represents an intermediate space between the housing and the surroundings – a practical device that allows the link between what is the most intimate (the private space of the housing) and what is required in the surroundings for better quality of life. It is an entity that is spatially and socially shows a collective unity of life; a place of relationships and specific social practices, connected by proximity; or a space of life defined by the behavior of the inhabitants.

The concept of neighborhood leads to gated communities which comprise physical areas that are fenced or walled off from their surroundings. The entrance to these areas

is controlled by means of gates or similar physical barriers. Gated communities are by nature separate and enclosed areas, being isolated from the broader urban environment and enclosed through physical barriers. Besides ensuring safety and security of the residents, the gated communities enable a specific lifestyle of a group within the enclosed area. Gated communities reflect an urban entity that is physically (often socially and economically) differentiated from the surrounding urban environment. It is envisaged to plan the Surya Nagar area as gated communities.

LAND USE PLAN

As stated earlier, the area under Surya Nagar has two distinct elements – (1) Commercial development in form of Transport Nagar (as per Gwalior Development Plan 2021) on 3.4465 Ha area; (2) 1.2714 Ha area forms part of 30 m wide proposed Development Plan Road (which once constructed will connect the site to Gola Ka Mandir and AH-43) and (3) 18.341 Ha area under Residential land use. In order to provide a good access to the site, it is proposed to widen the existing 7.5 m wide PMGSY road to 18 m. For this purpose 0.6124 Ha land would be required thus leaves 17.1728 Ha land for development of residential neighborhoods. Further as the two developments viz. commercial development in form of transport nagar and residential neighborhoods have totally different character; it is therefore thought that these two areas should be kept segregated and be planned independent to each other.
The site is located is close proximity to Gwalior airport which is primarily an Indian Air Force base. In view of the strategic importance of the airport, the Master Plan 2021 for Gwalior has defined an airport regulation zone within a radius of 4 km from the airport wherein only 6m high buildings are permitted. Substantial portion (14.21 Ha (61.62%) out of total area of 23.059 Ha) of the proposed site fall under the airport regulation zone.

Name of the Project	INTEGRATED TOWNSHIP MIXED USE DEVELOPMENT AT SURYA NAGAR GWALIOR OF MPHIDB GWALIOR
Location	Village – Baretha & Laxmangarh, Tehsil & District – Gwalior
Name & Address of Applicant	Mr. P.K. Hedau – Executive Engineer M.P.H & IDB, Div. No. 2, Deen Dayal Nagar, Gwalior
Coordinates of Site	26°18'17.45"N, 78°15'47.95"E
Toposheet No.	54 J/7
Topography	Almost Flat
Climate	Sub – Tropical (Generally dry except Monsoon Season)
Annual Avg. Temperatures	Max. – 33.50C, Min. – 16.60C

Annual Average Rainfall	910 mm
Relative Humidity	45% Min. & 85% Max.
Annual Dominant Wind	NW
Railway Station	15 Km. (Approx.)
Air Port	4 Km. (Approx.) Air force base
Total Plot Area	230590 Sq. Mt. (23.06 Hect.)
Net Planning Area for Mixed Used Development Project	177285.13 Sq.mt. (17.73 Hect.)
Proposed Built–Up Area	144535.87 Sq.mt.
Total no. of units	Multi Unit LIG – 112 Nos. Sr. LIG – 256 Nos. MIG – 176 Nos. Jr. HIG – 128 Nos. HIG – 240 Nos. Multi Unit EWS – 96 Nos. Plots – 402 Nos. LIG Plots – 9 Nos. EWS Plots – 17 Nos. Commercial Unit – 4 Blocks of 2 floors each Community Hall – 1 No. Primary School – 1 No. MPEB office – 1 No. Suvidha Kendra – 1 No.
Height of building	24 M. (Maximum)
Road width / MOS	For Multi 15/8/8 M. For Duplex 9/9/7.5 Commercial 9/4.5/4.5
Expected Population	6999 Occupants & 2652 Floating Population
Water requirement	1173 KLD
Source of Water Supply	GMC/PHE Water supply
STP Capacity	872 KLD on 100% Load & 900 KLD Proposed
Parking Provided	For Multi Unit – 846 ECS For Plots – 402 ECS (Individual) For Commercial – 144 ECS
Power requirement	5068 KW
Solar Panel	Proposed for Common Area lighting (Garden & Road Area) Under Planning.
Source of Power	MPEB

Backup Power Source	2 No. DG with proposed (600 KVA each)
Solid Waste Generation	3.944 TPD

The case was presented by the PP (Shri Pradeep Hadao, EE) and their consultant in the 293rd SEAC meeting dated 17/06/2017 wherein PP informed that >60% of the project falls within the 04 Kms restricted area due to airport and considering restrictions the maximum building height is proposed as 06 meters and the area which is beyond the restriction, 24 meter high buildings are proposed. PP further submitted that the project does not lie in the funnel area of the airport. The total fresh water requirement will be 1173 KLD. After presentation PP was asked to submit response on following:

1. NOC from airport authority should be obtained as >60% part of the project lies within the restricted 04 Kms radius of the airport which is also used by the air force or master plan details clearly indicating the restrictions of area and height due to proximity of airport.
2. As per MoEF&CC OM dated 22/12/2014, other service areas reserved for all the other facilities such as STP, MSW collection & storage should be added in the total built up area and same should be submitted to ascertain the total construction area.
3. A natural drain is passing through and near the eastern side of the project boundary thus protection plan of this natural drain be submitted considering HFL of the natural drain.
4. Proposed project is divided in to three different blocks which are distinctly apart and only one STP is proposed where a master plan road is also bifurcating the project site. Thus PP should justify how entire sewage will be diverted to one STP considering the drainage pattern of the site.
5. Revised plantation scheme with enhance number of trees as suggested by the committee.
6. Revised EMP commensurate to revised plantation scheme.

PP has submitted the reply vide letter dated 19/06/2017 and have also submitted revised form-1 through SEIAA.

The case was presented by the PP wherein PP submitted as per the suggestions of committee they have added other service areas reserved for all the other facilities such as STP, MSW collection & storage and thus the total built up area is revised from 144535. 87Sq. Mt to 1,45,015.37 sq. meter and thus they have submitted the revised from-1 in SEIAA which is also forwarded to SEAC. It was also observed by the committee that PP has submitted a copy of the letter issued by the Dy.

Commissioner (Revenue), Gwalior Division clearly indicating the restrictions of area and height due to proximity of airport. The other submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 1173 KLD.
2. Restrictions imposed due to proximity of air port should be complied by the PP.
3. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
4. 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 3200 no of trees will be planned in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. CFL/LED should be preferred over of tube lights.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. Dual plumbing should be provided.
11. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
12. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
13. PP will obtain other necessary clearances/NOC from respective authorities.
14. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
15. Commitment made by PP vide letter dated 19/06/2017 should be complied.

10. Case No. - 5195/16 Director, M/s Mahavir Coal Resources Private Limited, Jain Complex, Pureni, Katni, Distt. – Katni (MP) 483501 *Prior Environment Clearance for Coal Washery Plant of 0.95 MTPA/150 TPA Ha. at Khasra No.- 593, 596, 597, & 598, Village-Noudiha, Tehsil-Chitrangi, Distt.-Singrauli (M.P.) Cat. – 2 (a),*

This is a case of EC to the project on Coal washery. Project is covered under EIA notification and mentioned as item no. 2 (a) in the schedule of EIA notification, by virtue of its location and the capacity project falls under category B. Hence it requires prior EC from 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.

Project Details

Project Site (Site I)	Noudiha, Tehsil- Chitrangi, District- Singrauli, Madhya Pradesh	
Alternative Sites Explored	Site II- Bamhnidand, Site III- Chamrauti Tola, Site IV- Pipra.	
Location	Village- Noudiha, Tehsil- Chitrangi, District – Singrauli, State- Madhya Pradesh	
Co-ordinates	**Latitude**	**Longitude**
Capacity	24°12’51.2” N	82°34’20.6” E
Technology	‘Batac Jig technology’ or ‘Heavy Media Bath’ technology.	
Plot/Survey/ Khasra No.	Village Noudiha: Plot No. 593, 596, 597 & 598.	
Water Intake Point	Ground Water	
Nearest Railway Station	Mahdeiya Rail Station (1.3 Km, ESE)	
Nearest Airport	Lal Bahadur Shastri International Airport, Varanasi (139 Km)	
Nearest Sea Port	Dhamra Port, (590 km)	
Distance from Inter-state boundary	Inter-state boundary with Uttar Pradesh from project site at 12.2 km in South East direction.	
Seismological Information	Sesmic Zone III	
Project Cost	Approx. 2,990.27 lacs	

Project Requirements

Coal	2900 TPD .
Water	Total water requirement 4355 KLD, Make up fresh water is 648 KLD.
Land	Total area 4.744 Hectares/ 11.722 Acres.
Electricity	Total power requirement 750 KVA. Sourced from MP Poorva Kshetra Vidhyut Vitaran Company.

Comparative Analysis of Alternate Acceptable Sites

Sl. No.	Factors	Site I (Noudiha)	Site II (Bamhnidand)	Site III (Chamrauti Tola)	Site IV (Pipra)
1	Latitude	24° 12‘ 50.5“ N	24° 12‘ 20.5“ N	24° 18‘ 29.5“ N	24° 07‘ 10.1“ N
	Longitude	82° 34‘ 20.1“ E	82° 28‘ 20.4“ E	82° 34‘ 21.2“ E	82° 29‘ 48.8“ E
2	Location	Village Naudiha	Village Bamhnidand	Village Chamrauti Tola	Village Pipra
3	District	Singrauli	Singrauli	Singrauli	Singrauli
4	Site contour	396 - 402 m	400 - 405 m	424 - 434 m	430 - 434 m
5	Area	4.74 Ha.	4.46 Ha.	4.24 Ha.	5.13Ha.
6	Land type & Ownership	Government barren Land	Single Crop Agriculture Land & Open Scrub Land	Single Crop Agriculture Land & Open Scrub	Single Crop Agriculture Land

				Land	
7	Families affected	Nil	30-35	30	15-20
8	House Hold Displaced	Nil	Nil	Nil	Nil
9	Distance from nearest railway	Mahdaiya Rly Station1.4 km	Bargawan Rly Station1.7 km	Mahdaiya Rly Station10.7 km	Bargawan Rly Station 9.3 km
10	Approach road	NH-75	NH-75	Singrauli Chitrangi Road,	Major District Road
11	Environment sensitivity	No sensitive receptors* within 15 km	No sensitive receptors* within 15 km	No sensitive receptors* within 15 km	No sensitive receptors* within 15 km

The Process of Coal Washing

- Raw coal from mines will be transported to the coal washery by tippers/ dumpers.
- Trucks will either dump coal into the ground hopper or on to the nearby ground dump from where the same shall be fed in the ground hopper.
- From the ground hopper the raw coal will be fed to a rotary breaker for primary sizing of coal to 200mm.
- The primary sized coal shall then be subjected to close circuit crashing & screening & finally sized to minus 50 mm. The sized coal shall be taken to a stronger bunker.
- 0.5 to 50 mm Raw Coal from bunker will be fed to the Coal - Washery (Batac Jig) for washing wherein washed and reject coal will be separated out and will be dumped at two different places.
- Coal Slurry will be forwarded to the Thickener, Drum Filter and Settling Tanks so the fine Coal will be separated out and water will be recycled.

- The coal washery plant follow will two cut process.

Project Requirements

Water Requirement:

- Daily makeup water requirement will be 685 m^3/day.
- Required water will be collected from ground water from bore wells inside the proposed plant after taking necessary permission from CGWB.

Power Requirement:

- 750 KVA power will be required for the unit which will be sources from the Madhya Pradesh Poorve Khetra Vidhyut Vitaran Company.

Land Requirement:

- 4.744 Hectares land has already been allotted to the Proponent by Govt. of Madhya Pradesh.
- Project site is barren land with few scattered trees.
- As per revenue record, total land area falls under Government land.

Water Requirement

Sl. No.	Particulars	Daily Water Requirement (m^3/day)	Makeup Water Requirement (m^3/day)	Effluent (m^3/day)	Mode of Treatment/ Disposal
1	Coal Washing	4318	648	3670	Settling in thickener & recycled in process
2	Dust Suppression	30	30	0	
3	Plantation	5	5	0	
4	Domestic	2	2	1	1m^3/day water discharged in septic tank and soak pit

					system
	Sub Total	**4355**	**685**	**3671**	
5	Fire Fighting (One Time only)	200	-	-	
Total		4555	685	3671	

Trips for Coal Transportation

Sl No.	**Particulars**	**Coal (TPA)**	**Coal (TPD)**	**Trips per Day**
1	Raw Coal	9,50,000	2,602.74	130
2	Washed Coal	6,55,000	1794.52	90
3	Reject Coal	2,85,000	780.82	39

Earlier this case was scheduled in 278th SEAC meeting dated-14/06/2016 wherein it was observed that: The salient features of the project and proposed TOR were presented by the PP and his consultant wherein after presentation committee decided to issue standard TOR prescribed by the MoEF&CC with following additional TORs:

1. Area proposed for fine/dust rejects, clean coal and rejects along with APCD should be discussed in the EIA.
2. Is it a two cut washery or three cut washery? If it is two cut washery ratio of clean coal and reject coal be discussed in the EIA.
3. Gross calorific value along with ultimate analysis of clean coal and rejects.
4. Plan for management of existing trees in the proposed lay out be included in EIA as during presentation it was observed that there are around 30 fully grown trees of Mahua, on the site.
5. Air Pollution Control Devises proposed in crushing, screening and all transfer points should be discussed in the EIA.
6. Drawing & design of settling tanks with all technical details should be detailed out in the EIA report.
7. Fire fighting arrangements proposed should be detailed out in the EIA report.
8. PP should explore the possibility of using water from the abandoned mines located nearby, as seen in the Goggle image.

9. PP should also carryout hydro geological studies of the proposed area and should obtain CGWB permission for abstraction of ground water. PP should also submit that as per CGWB, the proposed area falls in which zone.
10. Process flow diagram should be submitted with water & material balance in the EIA report.
11. Washing technology should be freezed and same should be detailed out in the EIA.
12. Videography of site and nearby existing abandoned mines should be submitted with EIA report.

PP has submitted the EIA report vide letter dated 27/03/2017 which was forwarded by the SEIAA vide letter no. 120/SEIAA/17 dated 06/04/2017.

The case was presented by the PP and their consultant in the 289th SEAC meeting dated 29/04/2017 wherein PP submitted that 20 trees of Mahua are existing on the allotted area. It was also observed during presentation that NH-75 is passing from the eastern side of the allotted area. After presentation PP was asked to submit response on following:

1. Since ground water abstraction is involved, PP should obtain permission of CGWB.
2. Considering the proximity of this site from the Gorbi Mine which has acidic water, ground water survey should be carried out including one sample from the allotted site for one season.
3. From the Google image it was observed that plotted development activities in close proximity of site are in progress. PP was asked to submit the present status of this colony along with the comments of Collector.
4. It was observed by the committee that several issues were raised during the public hearing thus PP was asked to submit detailed point wise EMP for all the concerned issues with commensurate budgetary provisions.
5. Fire protection plan with revised water balance for fire protection and dust suppression.
6. Revised plantation scheme as suggested by the committee during discussion.
7. Revised layout of the plant showing the garland drains and settling tanks with their dimensions.

PP has submitted the reply vide letter dated 17/06/2017 and have also submitted response of District Collector, Singrauli.

The case was presented by the PP and their consultant wherein PP submitted that as per the suggestion of committee they have obtained the opinion of District Collector, Singrauli. Committee observed that District Collector, Singrauli vide letter no. 459 dated 21/06/2017 has informed that due to water logging and passing of 33,000 volt line near the proposed residential colony, the site is therefore not suitable for residential purposes. PP further submitted that they have also obtained the permission of CGWB as suggested by the committee. The presentation and other submission made by the PP are satisfactory and acceptable hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The EC shall be valid for production of 0.95 MTPA of coal.
2. As proposed, no effluent from washery 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.
3. Effluent from coal washing process shall be treated in thickener and shall be recycled back in process. Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
4. Storm water run-off shall be collected in a series of settling tanks and shall be utilized for coal washing, dust suppression and plantation.
5. Wash water from workshop shall be treated with oil & grease traps and treated water shall be used for sprinkling at coal stack yard.
6. Check-dams shall be constructed along with other activities at site on the appropriate locations so as to ensure that no water is discharged from the premises.
7. Adequate numbers of ground water quality monitoring stations by providing piezometers around the slurry ponds/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.
8. Covered conveyers should be provided for internal transportation of coal with provision of dust extraction/water sprinkling at all transfer points.

9. Transportation of material shall be done by railway and only in case of emergency; road transportation will be carried out only in covered vehicles.
10. Fixed types of water sprinklers should be provided in all plant areas where materials are loaded / unloaded. Water sprinklers should also be provided at railway siding area during loading and unloading.
11. Bag filters of adequate capacity shall be provided for coal crushers.
12. Two on-line monitoring systems for ambient air quality on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations.
13. Fire fighting system shall be provided as per the norms and cover all areas where coal and rejects are produced, handled and stored. Disaster Management Plan shall be implemented.
14. Records for the coal rejects shall be meticulously maintained and such rejects shall be disposed off as per the submitted proposal.
15. Need based CSR activities shall be taken up in coordination with the Gram Panchayat.
16. As proposed, green belt of 2550 trees over 1.70 ha. of the project area shall be developed within plant premises with at least 5 meter wide green belt on all sides along the periphery of the project area in downward direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
17. All the commitments made in the Public Hearing shall be implemented by PP and adequate budget provision shall be made accordingly.
18. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
19. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
20. All recommendations mentioned in the EMP shall be binding for the project authorities.
21. Ultrasonic/Magnetic flow/Digital meters shall be provided at the inlet and outlet of the proposed ETP & all water abstraction points and records for the same shall be maintained regularly.
22. In case of power failure, stand by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the ETP/APCD

shall be installed, so that the ETP/APCD shall always be operated round the clock even in case of power failure.

23. Regular emission and effluent 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. All internal roads shall be made pucca/bituminous top to avoid fugitive emissions.

25. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed unit shall require a fresh Environment Clearance.

After the meeting, Committee conveyed its deep sense of gratitude to Shri Malay Shrivastava, IAS, Chairman M.P. Pollution Control Board, Dr. N. P. Shukla, Former Chairman, M.P. Pollution Control Board and Shri A.A. Mishra, Member Secretary M.P. Pollution Control Board for providing all necessary support and co-ordination to conduct SEAC meetings & field-visits so efficiently. Committee further expressed heartiest thanks to the Dr. R. B. Lal Chairman, SEAC for being courteous to all the Members all through the tenure which facilitated the committee to analyze the projects more proficiently and meticulously. The Chairman expressed his sincere thanks to all the Committee Members of SEAC for their contribution in SEAC meetings. He also thanked Dr. Abhaya K. Saxena, Sr. Scientific Officer, Dr. Avinash Karera, Chief Chemist and the entire team from SEAC Secretariat for providing necessary assistance which enabled the committee to efficiently conduct the meetings as per the given mandate.

The meeting ended with thanks to the Chair and the members.

[A.A. Mishra]
Secretary

[Dr. R. B. Lal]
Chairman