

The 289th meeting of the State Expert Appraisal Committee (SEAC) was held on 28th April, 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. Dr. Mohini Saxena, Member.
3. Shri Manohar K. Joshi, Member.
4. Shri R. Maheshwari, Member.
5. Shri Manoj Pradhan, Member.
6. Dr. Alok Mittal, Member.

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

1. **Case No. - 5523/2017 Govt. Bundelkhand Medical College, Shivaji Ward, Tili Road, Sagar, (M.P.) Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 100 kg per hour rotary kiln based bio medical incineration project at village Habsili, Distt. - Sagar, (M.P.) Cat. 7(da) Project.**

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.

Earlier this case was Scheduled in 288th SEAC meeting dated-30/03/2017 wherein it was observed 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 of SEAC.

The case was again scheduled in the meeting agenda but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 288th SEAC meeting dated 30/03/2017. Committee after deliberations 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.

2. **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.**

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 cultivator 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.

The case was presented by the PP and their consultant 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.

3. **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.)**

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

The case was presented by the PP and their consultant 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.

4. **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.)**

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 is 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
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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.

The case was presented by the PP and their consultant 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. 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.

5. **Case No. - 5394/2016 M/s Medicare Environmental Management Pvt. Ltd, 403, 4th Floor, BPTP Park Centra, Sector-30, NH-8, Gurgaon, Haryana – 122001 Common Biomedical Waste Treatment Facility (Plot No. - 15 & 17) at Village - Manera, Teh.- Niwas, Distt. - Mandla, (M.P.) Cat. - 7(d) Common Biomedical Waste Treatment, Storage and 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.

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.

M/s Medicare Environmental Management Private Ltd are proposing a Common Bio Medical Waste Management Facility at Mandla, M.P with an area of 4000 sqm. The proposed project is Common Bio-medical Waste Treatment facility of Bio Medical Waste collected from the various health care establishments/unit generating bio medical wastes. Facility includes Incinerator, Autoclave, Shredder, Storage and Effluent Treatment Facility.

Sl.no	Parameters	Description
1	Project Proponent	M/s. Medicare Environmental Management Pvt.
2	Brief description of nature of the project	Biomedical waste is generated from all health care institutions; nursing homes, clinics, dispensaries, veterinary institutions, animal houses, pathological laboratories, blood banks etc. A Common Bio-medical Waste Treatment Facility is a set up where bio-medical waste, generated from a number of healthcare units, is suitably treated as per the prescribed procedure & norms laid down in the regulation. Proposed project of setting up of the Common Bio- medical Waste Treatment Facility at Plot no. 15 & 17, Industrial area IGC, Village – Maneri, Tehsil- Niwas, District- Mandla, State - Madhya Pradesh. The extent of proposed project is 4000 sqm land.
Salient Features of the Project		
3	Proposed plant capacity	The project is aimed to cater 20,000 beds - @ 0.16-0.2 kg/day/bed = 3.2-4 TPD
4	Total Plot Area	4000 sqm
	Location	Plot no. 15 & 17, Industrial area IGC, Village – Maneri, Tehsil- Niwas, District- Mandla, State

		- Madhya Pradesh.
5	Water requirement	Water requirement for the proposed CBWTF project is 50 KLD.
6	Source of water	Water requirement will be met through bore wells & water tankers
7	Wastewater	Waste water generated from the treatment of Biomedical waste during autoclaving, washing of floors, etc. is 115 KLD and it shall be treated in effluent treatment plant.
8	Man Power	During Construction phase, the labors and workers will be hired from nearby villages. Total 35 persons are proposed to hire for plant operations including officers, skilled and unskilled workers.
9	Electricity/ Power requirement	DG set of 100 KVA is proposed for the project and lines will be taken from the Madhya Pradesh State Electricity Board (MPSEB).
10	Total Project Cost	Project cost is Rs. 10 Cr

The proposed treatment facilities at the site are, Bio Medical Waste Segregation, Autoclave, Shredding and Incineration. The project is aimed to cater the needs of the Bio Medical waste generation units in the nearby Health Care Units of M.P state with an approximation of 20,000 beds@0.16-0.2kg/day/bed equals to 3.2-4 tons per day.

The primary purpose of incineration is to burn the waste to ashes through a combustion process. Medicare intends to setup a 4.0T/Day incinerator. The unit shall be a dual chambered incinerator. The purpose of autoclave is to sterilize/disinfect the waste with steam. Microorganisms which contribute to infection do not survive beyond 80°C. However, as a precaution MoEFCC has stipulated a temperature of 121°C with 15 psi pressure to ensure distribution of temperature. The total water requirement including makeup water for the proposed facility is 50 KLD and waste water generation would be around 115 KLD, the waste water generated will be treated in ETP.

The power required for the facility will be fetched from Madhya Pradesh State Electricity Board (MPSEB). For emergency backup DG is maintained with optimal usage by using a High Speed Diesel with a capacity of 100 KVA.

Earlier this case was Scheduled in 282nd SEAC meeting dated-10/10/2016 wherein it was observed that: 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 TORs:

- a. DFO certificate in the format prescribed by MP, SEIAA should be submitted with the EIA report for distances from National Parks/ Sanctuaries and Forest area.
- b. Justify in EIA report, how unit will remain zero discharge.
- c. Disposal plan of autoclaved material should be discussed in the EIA report.
- d. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
- e. In the EIA report, PP should provide the type of industries existing in the area with the list of MP, AKVN, Jabalpur.

PP has submitted the EIA report vide letter dated 03/04/2017 which was forwarded by the SEIAA vide letter no. 143/SEIAA/17 dated 07/04/2017.

The case was presented by the PP and their consultant wherein PP requested for the exemption from the public hearing which was to be conducted as per the TOR approved to the PP in the 282nd SEAC meeting dated-10/10/2016. During discussion PP informed that as per the MoEF&CC OM dated 10th December, 2014 this project is located in industrial area IGC, Village – Maneri, Tehsil- Niwas, District- Mandla, State - Madhya Pradesh and this industrial area was notified prior to 2006 and thus does not require public hearing but could not put up any proof in support of their submission before the committee for consideration. 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.

6. **Case No. - 5395/2016 M/s Medicare Environmental Management Pvt. Ltd, 403, 4th Floor, BPTP Park Centra, Sector-30, NH-8, Gurgaon, Haryana – 122001 Common Biomedical Waste Treatment Facility (Khasra No. F-7, F-8, F-9 & F-10) at IID Jaderua, Morena, (M.P.) Cat. - 7(d) Common Biomedical Waste Treatment, Storage and 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.

Sl.no	Parameters	Description
1	Project Proponent	M/s. Medicare Environmental Management Pvt. Ltd
2	Brief description of nature of the project	Biomedical waste is generated from all health care institutions; nursing homes, clinics, dispensaries, veterinary institutions, animal houses, pathological laboratories, blood banks etc. A Common Bio-medical Waste Treatment Facility is a set up where bio-medical waste, generated from a number of healthcare units, is suitably treated as per the prescribed procedure & norms laid down in the regulation. Proposed project of setting up of the Common Bio- medical Waste Treatment Facility at IID Jaderua , Morena , Madhya Pradesh. The extent of proposed project is 1 Acres land.
Salient Features of the Project		
3	Proposed plant capacity	The project is aimed to cater 20,000 beds - @ 0.16-0.2 kg/day/bed = 3.2-4 TPD
4	Total Plot Area	1 Acre
	Location	Plot no. F-7,F-8,F-9 & F-10 , IID Jaderua, Morena , Madhya Pradesh
5	Water requirement	Water requirement for the proposed CBWTF project is 50 KLD. Water will be sourced through Borewells & Water Tankers
6	Source of water	Water requirement will be met through bore wells
7	Wastewater	Waste water generated from the treatment of Biomedical waste during autoclaving, washing of floors, etc. is 120 KLD and it shall be treated in effluent treatment plant.
8	Man Power	During Construction phase, the labors and workers will be hired from nearby villages. Total 35 persons are proposed to hire for plant operations including officers, skilled and unskilled workers.
9	Electricity/ Power requirement	DG set of 100 KVA is proposed for the project and lines will be taken from the Madhya Kshetra Vidyut Vitaran Company Limited (MPMKVVCL)
10	Total Project Cost	Project cost is Rs. 10 Cr

M/s Medicare Environmental Management Private Ltd are proposing a Bio Medical Waste Management Facility at IID Jaderua , Morena with an area of 1 acres. The proposed project is Common Bio-medical Waste Treatment facility of Bio Medical Wastes collected from the various health care establishments/unit generating bio medical wastes. Facility includes Incinerator, Autoclave, Shredder, Storage and Effluent Treatment Facility.

The proposed treatment facilities at the site are Bio Medical Waste Segregation, Autoclave and Shredding and Incineration. The project is aimed to cater the needs of the Bio Medical waste generation units in the nearby Health Care Units of Madhya Pradesh state with an approximation of 20,000 beds@0.16-0.2kg/day/bed equals to 3.2-4 tons per day.

The primary purpose of incineration is to burn the waste to ashes through a combustion process. Medicare intends to setup a 5.0T/Day incinerator. The unit shall be a dual chambered incinerator. The purpose of autoclave is to sterilize/disinfect the waste with steam. Microorganisms which contribute to infection do not survive beyond 80°C. However, as a precaution MoEF&CC has stipulated a temperature of 121°C with 15 psi pressure to ensure distribution of temperature. The total water requirement including makeup water for the proposed facility is 50 KLD and waste water generation would be around 120 KLD, the waste water generated will be treated in ETP.

The power required for the facility will be fetched from Madhya Kshetra Vidyut Vitaran Company Limited (MPMKVVCL). For emergency backup DG is maintained with optimal usage by using a High Speed Diesel with a capacity of 100 KVA.

Earlier this case was Scheduled in 282nd SEAC meeting dated-10/10/2016 wherein it was observed that: 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. DFO certificate in the format prescribed by MP, SEIAA should be submitted with the EIA report for distances from National Parks/ Sanctuaries and Forest area.
- b. Justify in EIA report, how unit will remain zero discharge.
- c. Disposal plan of autoclaved material should be discussed in the EIA report.
- d. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

- e. In the EIA report, PP should provide the type of industries existing in the area with the list of MP, AKVN, Gwalior.

PP has submitted the EIA report vide letter dated 03/04/2017 which was forwarded by the SEIAA vide letter no. 145/SEIAA/17 dated 07/04/2017.

The case was presented by the PP and their consultant wherein PP requested for the exemption from the public hearing which was to be conducted as per the TOR approved to the PP in the 282nd SEAC meeting dated-10/10/2016. During discussion PP informed that as per the MoEF&CC OM dated 10th December, 2014 this project is located in Plot no. F-7,F-8,F-9 & F-10 , IID Jaderua, Morena , Madhya Pradesh and this industrial area was notified prior to 2006 and thus does not require public hearing but could not put up any proof in support of their submission before the committee for consideration. 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 a complaint is received from Gram Panchayat Jaderua vide letter dated 26/04/17 about the project thus NOC from Gram Panchayat / Tharav-Prastava should also be obtained and issues raised should be addressed during public hearing.

7. **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
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Alternative Explored	Sites	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)	Site IV (Pipra)
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				Tola)	
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 Bamhnida nd	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 Land	Single Crop Agriculture 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 Station 1.4 km	Bargawan Rly Station 1.7 km	Mahdaiya Rly Station 10.7 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
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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 m³/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 Devices 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 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.

8. 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 Bullats ha. (Cat. – 6 (b)Project).

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 Bullats ha. (Cat. – 6 (b) Project).

SALIENT FEATURES OF THE PROJECT

Sl. no.	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: <ul style="list-style-type: none"> ▪ DG sets of BIS specifications will be provided. DG set stacks as per CPCB guidelines. ▪ Water sprinkling at regular basis
		Water: <ul style="list-style-type: none"> ▪ Septic Tank ▪ All operations in closed system.
		Noise: <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ 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/16 dated 07/04/2016.

The case was presented by the PP and their consultant 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.

9. **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 Bullats ha. (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

Sl.no.	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: <ul style="list-style-type: none"> ▪ DG sets of BIS specifications will be provided. DG set stacks as per CPCB guidelines. ▪ Water sprinkling at regular basis

		<p>Water:</p> <ul style="list-style-type: none"> ▪ Septic Tank ▪ All operations in Closed system.
		<p>Noise:</p> <ul style="list-style-type: none"> ▪ Acoustic enclosure for DG set ▪ Green Belt development will be provided. ▪ Noise level to be maintained less than 75dBA in day time at boundary.
		<p>Solid Waste Management</p> <ul style="list-style-type: none"> ▪ 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/16 dated 07/04/2016.

The case was presented by the PP and their consultant 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.

10. Case No. - 5542/2017 M/s Hostech Eco Management Pvt. Ltd, 10, Yahvant Niwas Road, Indore, Distt. – Indore (M.P.) Prior Environment Clearance for Establishing a Common Biomedical Waste Treatment Facility at Kaliyadeh Village, Ghatiya Tehsil, Distt.- Ujjain, (M.P.) Cat. - 7(d) Common Biomedical Waste Treatment, Storage and 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.

The case was presented by the PP and their consultant wherein PP submitted that the proposed unit will be established on an existing industrial manufacturing unit which is closed since long and they have also obtained CTE from the M. P. Pollution Control Board. PP further submitted that data collection has been started from December, 2016. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs:

- a. DFO certificate in the format prescribed by MP, SEIAA should be submitted with the EIA report regarding distances from National Parks/ Sanctuaries and Forest area.
- b. Since the proposed unit will be established on an existing chemical plant thus in EIA report PP should provide the details of such existing facilities which will be used and which will be dismantled.
- c. PP should also provide the details of any waste material stored in the existing plant premises and their proposed disposal.
- d. A natural drain and kshipra river is in close proximity of the site thus their protection plan in case of accidental discharge should be prepared and discussed in the EIA report.
- e. In case PP intends to use ground water, permission of CGWB should be obtained.
- f. Facility should be developed in accordance with the provisions made in the Bio-Medical Waste Management Rules, 2016 published by GOI and Guidelines published by CPCB for Common Bio-medical Waste Treatment Facilities.
- g. Justify in EIA report, how unit will remain zero discharge.
- h. Disposal plan of autoclaved material should be discussed in the EIA report.
- i. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

11. **Case No. - 5439/2016 M/s Wonder Cement Ltd, R.K.Nagar, Nimbahera, Chittorgarh, (Rajasthan) Clinker Grinding Unit (2 x 2 MTPA) of Wonder Cement Limited, Industrial Project -1, Kherwas Industrial Area at Plot No. – 75, 77, Vill. Kherwas, Teh.- Badnawar, Distt. - Dhar, (M.P.) Cat. – 3(b) Project.**

This is a case of grinding unit for production of cement. The project is covered as item 3(B) in the schedule of EIA notification as standalone grinding unit and hence requires prior EC from SEIAA before commencement of any 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.

The project is proposed in the at Industrial area – Kherwas, Tehsil Badnawar Dist Dhar (MP). The land for the project has been allotted by AKVN. The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

Salient feature of the project

S. No.	Particulars	Details
1	Project	2X2.0 MTPA Cement Grinding Units Phase – I – 2.0 MTPA Phase – II – 2.0 MTPA
2	Total Power requirement for process	14 MW for Phase – I, 12 MW for Phase - II
3	Total Land available	28.50 Hact
4	Raw material required	Clinker, Fly Ash and Gypsum
5	Source of Power	Madhya Pradesh State Electricity Board (MPSEB).
6	Water Requirement	Phase – I – 300KLD Phase – II – 250 KLD
7	Source of Raw water	Ground water / Rainwater Harvesting
8	Major Plants / Equipment	Cement Grinding & Packing Unit
9	Capacity of Cement Mill	265 TPH X 2
10	Pollution control equipment	Bag Filters & Water Sprinklers
11	Level of particulate Matter after APCE	Less than 50 mg /NM3
12	Cost of project	Phase – I – 400 Crore Phase – II – 350 Crore
12	Cost of Pollution Control Equipments	Approx 7 Crores for each phase
13	Number of employment generation	150 persons
14	Fund for CSR activities	As per guidelines

Land use break-up

S. No.	Section	Area (m ²) (for both phases)
1	Plant machineries	55000
2	Material storage	20000
3	Roads	35000
4	Offices	2000
5	Utility buildings	9000
6	Future expansion	25000
7	Truck Parking	44000
8	Green Belt	95,000
	Total	2,85,000

Environment setting

Particulars	Details
Locations	
A. Village	Kherwas Industrial area
B. Tehsil	Badnawar
C. District	Dhar
D. State	Madhya Pradesh
Toposheet No.	46 M/8
Latitude	23 ^o 03'11.35" N
Longitude	75 ^o 15'14.35" E
General ground level	503-506m above MSL
Nearest National/ State Highway	NH-79 – 1.15km - SW

Nearest Railway Station	Sunderabad – 10.75km
Nearest Airport	Indore- 67km
Nearest Tourist Place	None within 10km radius
Archaeological Important Place	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10km radius
Reserved / Protected Forest within 10km radius	None within 10km radius
Nearest major city <50000 population	Badnawar – 3.75km – SSW
Nearest Town / City within 10km radius	Badnawar – 3.75km – SSW
Surrounding village within 1 km area of the project.	Kherwas– 0.25km - NE
Nearest village	Kherwas– 0.25km - NE
Nearest River	Bageri River–7.50 km– SW
Nearest Hill Ranges	None within 10 km radius

Raw material requirement

S. No.	Particulars	Quantity in TPA		Source	Mode of Transportation
		Phase -I	Phase -II		
1	Clinker	1.3	1.3	Existing cement plant in Nimbahera, Dist. Chittorgarh, Rajasthan & purchase from any other source which is economical.	Rail/Road
2	Fly Ash	0.6	0.6	MPPGENCO, Mundi , Khandawa (M.P.)	Road
3	Mineral Gypsum	0.075	0.075	RSMML ,Nagaur/ Bikaner : 900-1000 KM	Rail/Road
4	Chemical Gypsum	0.025	0.025	Valsad,Vapi & other nearby plants: 250-450 KM	Rail/Road

S.N	Material	No. of days for storage	Capacity (Tons)	Type of Storage
1.	Clinker	6	25000	RCC Silo
2.	Gypsum	20	6000	Covered Storage
3.	Cement	2.5	2x7500	RCC Silo
4.	Fly ash	1.5	3000	RCC Silo

Water Balance

Water Balance for the Proposed Grinding unit Phase – I & Phase- II			
Sr No		Water Consumption (m ³ /day)	Waste water Generation (m ³ /day)
1	Cooling Tower	80	4
2	Mill water spray	260	Nil
3	P&V system + road spray + laboratory + washing	120	40
4	Domestic	35	30
5	Green belt	55	
	Total	550	73

Base line data

It was reported by the PP that baseline data of the region has already been started from October, 2016.

Earlier this case was scheduled in 283rd SEAC meeting dated-27/10/2016 wherein it was observed that: 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 TORs:-

1. NOC from Gram Sabah should be obtained and annexed with the EIA report.
2. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
3. APC systems should be designed for maximum 30 milligrams particulate emissions.
4. In EIA study the mode of transportation of fly ash, raw materials and products should be discussed along with their impacts.
5. Hydro geological studies should be carryout and reported in the EIA report.
6. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

7. Management plan for conservation and sustainable utilization of water body falling within the proposed project area.

PP has submitted the EIA report vide letter dated 13/04/2017 which was forwarded by the SEIAA vide letter no. 283/SEIAA/17 dated 21/22/2016.

The case was presented by the PP and their consultant wherein during presentation PP submitted that bag filters of efficiency of 99.99% will be installed to control the particulate matter concentrations below 30 mg/Nm³. Asphaltting of the roads within the plant area and provision of pucca road from plant boundary to PWD Road will also be made to control fugitive emission. It was also submitted by the PP that Greenbelt, 5 m all around the periphery of the plant and 5 m on both side of bank of gully/nalla (passing through the site) to arrest the fugitive emissions will be developed. To check the effectiveness of the pollution control measures adopted by the PP Online emission monitoring system will be provided in all stacks with Dust collectors system at various material transfer points. Water spraying along the approached road from the NH shall be done on regular basis and the frequency shall be planned in accordance with the movement of trucks. PP further submitted that provision have been planned for closed type of silo system for storage of clinker and fly ash. Closed circuit cooling system shall be provided for the proposed grinding unit and waste water from softener plant and cooling bleed will be generated as effluent. The Treatment plant of 25 KLD shall be provided up to tertiary system i.e. inclusive of ACF, MGF and other polishing unit. The domestic waste water quantity from unit will be about (first phase 8 cum per day & 20 cum per day after phase-II), which will be treated through STP system. Treated domestic wastewater will be used in greenbelt development and dust suppression and thus unit will remain zero discharge. Boundary wall towards the nallah side shall be constructed to avoid storm water flow of factory premises and drains along the boundary wall shall be constructed which will join the settling tank/water reservoir to protect the flow of contaminant towards nearby agricultural land. Issues raised in Public hearing were discussed in depth and it was observed that PP has made necessary provisions in the EMP.

The EIA/EMP and other submission 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 EC shall be valid for Clinker Grinding Unit for production up to 2 x 2 MTPA.
2. Bag filters shall be provided for control of fugitive emissions below 50 mg/Nm³.
3. Dust collectors systems shall be provided at all material transfer points along with asphaltting of the roads within the plant area and provision of pucca road

- from plant boundary to PWD Road. Water spraying along the approached road from the NH shall be done on regular basis. The frequency shall be planned in accordance with the movement of trucks.
4. Provision of stacks with adequate heights as per CPCB norms for wider dispersion of gaseous emissions shall be provided.
 5. Provision shall be made for closed type of silo system for storage of clinker and fly ash.
 6. Preventive maintenance of valves, flanges, joints, roof vents of storage vessels should be taken up. The fugitive dust emissions shall be controlled by installation of closed conveyor system along with suitable dust suppression measures. Conveyors shall be provided with conveyor cover.
 7. Dust collected from air pollution control equipment will be totally recycled back in to the process.
 8. The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises.
 9. The Treatment plant of 25 KLD shall be provided up to tertiary system i.e. inclusive of ACF, MGF and other polishing unit. Treated Wastewater generated from the plant shall comply to the limits prescribed by the M.P. Pollution Control Board.
 10. As proposed, no effluent 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.
 11. Greenbelt of 5 meter all around the periphery of the plant and 5 meter on both side of bank of gully/nalla (passing through the site) to arrest the fugitive emissions should be developed.
 12. No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the clinker plant.
 13. Monitoring of surface water quality and ground water in the area shall also be regularly conducted and records should be maintained. The monitored data shall be submitted to the M.P. Pollution Control Board regularly.
 14. The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.
 15. A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.
 16. Abandoned quarry existing within the premises shall be converted as water reservoir with proper fencing, sloping and barricading.

17. Other Solid Wastes and Hazardous Wastes generated by the plant shall be disposed off according to the concerned rules and after obtaining necessary permissions from the M. P. Pollution Control Board. Log-books shall be maintained for disposal of all types hazardous and other wastes and shall be submitted with the compliance report.
18. Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.
19. 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. Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ shall be carried out in the impact zone and records maintained. The location of the monitoring stations shall be decided in consultation with M.P. Pollution Control Board. Periodic reports shall be submitted to the Regional Office of this Ministry and M.P. Pollution Control Board.
20. Well designed acoustic enclosures for the DG sets and noise emitting equipments to achieve the desirable insertion loss viz. 25 dB (A) should be provided.
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. All the commitments made in the Public Hearing shall be implemented by PP and adequate budget provision shall be made accordingly.
23. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
24. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
25. Drains along the boundary wall shall be provided which will join the settling tank/water reservoir to protect the flow of contaminant towards nearby agricultural land. Boundary wall towards the nalla side shall also be constructed to avoid storm water flow of factory premises.
26. First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
27. The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for

- providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.
28. No parking of vehicles should be done outside the factory premises of vehicles carrying the sugarcane crop.
 29. Need based CSR activities shall be taken up in coordination with the Gram Panchayat.
 30. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

DISCUSSIONS BASED ON SITE INSPECTION REPORTS/INFORMATIONS SUBMITTED BY PP'S/ISSUES RAISED BY SEIAA.

(A) SITE INSPECTION REPORT (ANNEXURE-1)

BACKGROUND

In pursuance to the decision of taken in the 275th SEAC meeting dated 12/05/2016, 283rd SEAC meeting dated 27/10/2016 and 286th SEAC meeting dated 28/01/2017, site visit of following projects was proposed :

Sl. No.	Case No.	Name of the Project & details	Decision for site visit	Date of inspection
01.	Case Number: 5485/2016	<u>Chief Executive Officer, Katni Development Authority, National Highway Road, 07, Dugadi Nala, Katani (M.P.)- 483504.</u> Katni Integrated Township Project Promoted by: Katni Development Authority Katni , Khasra No. 691, 692, 699, 700, 703, 704, 705/1, 722/1 K,	While recommending the ToR in 286 th SEAC Meeting held on 28/01/17, the committee also decided to undertake site visit and prescribe additional TOR's if required after site visit.	24/04/2017

		722/1, KH & 723. Village – Jhijuri, National Highway Road, Tehsil – Katni, District-Katni (MP), Total Plot Area – 8,56,000 sqm.)		
02.	Case Number: 5128/2016	<u>Executive Engineer, Pancham Nagar, Project Survey Division, Damoh (M.P.)</u> Prior Environment Clearance for Judi Tank Project in CCA of 8500 ha. at Village-Karri and Dilona, Tehsil-Bijawar & Batiyagarh, Dist-Damoh (MP)	While recommending the ToR in 275 SEAC Meeting held on 12/05/16, the committee also decided to undertake site visit and prescribe additional TOR's if required after site visit.	25/04/2017
03.	Case Number: 5423/2016	<u>Executive Engineer, Water Resources Department, Division - II, Kesli, Distt.- Sagar, (M.P.) - 470235.</u> Parkul Medium Irrigation Project, River – Parkul (ken Basin), Vill. - Bakshawaha, Teh.- Sagar, Distt. - Sagar, (M.P.)	While recommending the ToR in 283rd SEAC Meeting held on 26/10/16, the committee also decided to undertake site visit and prescribe additional TOR's if required after site visit.	25/04/2017

In view of above background a SEAC team comprising of Dr. R. B. Lal, Chairman SEAC, and Dr. U. R. Singh, Member SEAC along with Dr Abhaya K. Saxena (SEAC Secretariat) inspected the project sites on 24th and 25th April 2017 along with the representatives of respective project PP's and their consultants. The project wise details of site inspections are as follows:

12. **Case No. - 5485/2016 Chief Executive Officer, Katni Development Authority, National Highway Road, 07, Dugadi Nala, Katani (M.P.)- 483504 Katni Integrated Township Project Promoted by: Katni Development Authority Katni, Khasra No. 691, 692, 699, 700, 703, 704, 705/1, 722/1 K, 722/1, KH & 723. Village – Jhijuri, National Highway Road, Tehsil – Katni, District-Katni (MP), Total Plot Area – 8,56,000 sqm. Cat. 8 (b) Case. For- Building Construction.**

Project Description

The proposed project is for development of integrated township which will comprise of development of residential plots (3,38,746.24 Sq. mt.), group housing area (11,526.24 Sq. mt.), commercial areas (39,342.94 Sq. mt.) and amenities like bank (2561.39 Sq. mt.), police chowki (1153.93 Sq. mt.), health centre (3,580.50 Sq. mt.), hospital (13,626.07 Sq. mt.), community hall and library (5,173.33 Sq. mt.), nursery, primary & high schools (16651.7 Sq. mt.).

Location of the project

Katni Development Authority, Katni has proposed to set up integrated township at Khasra Nos. 691, 692, 699, 700, 703, 704, 705/1, 722/1 K, 722/1 KH & 723 Village-Jhijhri, Tehsil - Katni, District - Katni, State – Madhya Pradesh.

The need of proposed project is quite eminent as it will:

- Increase the infrastructure of the area.
- Provide healthy, aesthetic and safe premises.
- Provide a better living to the people along with amenities like commercial buildings, schools, health care facilities, banking facility, police chowki etc.

The case was presented by the PP and their consultant in the 286th SEAC Meeting held on 28/01/17 for issuance of TOR to carryout EIA studies with site specific details. During presentation it was informed to the PP that they have not submitted the declaration regarding no construction/developmental activities undertaken by them at site and DFO letter regarding distance from nearest Forest, National Parks and Sanctuary should be submitted with EIA report. Committee also recommends that site visit may be undertaken and additional TOR (if any) may be issued after the site visit. PP informed that they are carrying the declaration and submitting the same. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

8. Inventory of existing trees on the site and their management plan should be submitted with EIA report.
9. Drainage pattern of the area with Environmental Management Plan on nearby drains should be discussed in the EIA report.
10. One monitoring station should be established near the forest area reported to be 4.72 kms away from the site as per Form-1.
11. Worst case scenario should be studied and calculated on the basis of maximum possible FAR which can be utilized by the owners for all the facilities such as water demand, waste water treatment, MSW generation and disposal etc.
12. The site visit will be carried to see site conditions specially the **proximity of river, site drainage etc**, after which additional ToR may be issues, if necessary.

Sri Sanjaya Jain, Executive Engineer Katni Development Authority, (representative of PP) was present with their EIA consultant - ECO Pro Engineers Pvt. Ltd. Ghaziabad (U.P.) during the site visit of SEAC Team.

OBSERVATION:

1. It was found at the time of site visit, there was no evidence of construction, hence there is no violation.
2. The EIA consultant has mobilized his team and has started monitoring and data collection.
3. The project site has red lateritic soil. Only a few shrubs were present at the site. There were no major tree species. However, in view of proximity to the city forest, the PP / Consultant were suggested to plan a green buffer between the project site and forest.
4. The PP informed that they will not use ground water. Hence, they were suggested to have a documentary support of firm commitment from municipal body about adequate water supply.
5. The part of the site drains towards west side and another part drains towards north side. The committee suggested maintaining natural drainage and having one STP on each drainage sides to avoid pumping.

6. The PP/ consultant were suggested to use only T & CP approved map for all purposes in EIA report as main reference point.
7. It was observed that a Kachha road of PWD passes through the project site wherein as per the approved map there is no such road, for which PP submitted that during the development of the project site this road will be constructed as per the approved map. The PP / Consultant were asked to address this issue in EIA study with requisite documentary support.
8. Though the SEAC subcommittee is not of opinion to prescribe any additional TOR, but it reiterates the points already given in ToR's recommended in 286th SEAC Meeting dt. 28/01/17.

13. Case No. - 5128/2016 Shri Surendra Petalia, Executive Engineer, Pancham Nagar, Project Survey Division, Damoh (M.P.) Prior Environment Clearance for Judi Tank Project in CCA of 8500 ha. at Village-Karri and Dilona, Tehsil-Bijawar & Batiyagarh, Dist-Damoh (M.P.) For- ToR. Case forwarded by SEIAA vide letter no. 680/SEIAA/2016 dtd. 18-04-2016.

Location Details

SN	Details	JUDI TANK PROJECT
1	Latitude	24 ⁰ 08' 41" N
2	Longitude	79 ⁰ 15' 36" E
3	State	Madhya Pradesh
4	District	Chhatarpur / Damoh
5	Tehsil & Block	Buxwaha / Batiyagarh
6.	River	Judi, a tributary of Sonar which finally merges into River Ken
7.	Accessibility	At a distance of 65 Km from Damoh, 20 km from Buxwaha, tehsil of Distt Chhatarpur and 30 Km from Batiagarh, Tehsil of Distt Damoh

BRIEF DESCRIPTION OF THE PROJECT

- Judi Tank Project is proposed at Latitude 24⁰ 08' 41"N and Longitude 79⁰ 15' 36"E on River Judi near Khatariya village of Tehsil Buxwaha, District Chhatarpur & its right bank is in Tehsil Batiyagarh District Damoh.

- The Project is envisaged to have a live storage capacity of 28.33 MCM.
- Dead storage of the project is 4.385 MCM
- Total CCA of the Project is 8500 ha, benefitting 31 villages of Damoh District of Batiyagarh Tehsil.
- Total cost of the project is Rs. 298.92 crores.

SITE SELECTION CRITERIA FOR PROJECT AREA

PARTICULARS	REMARKS
Existing infrastructure	<ul style="list-style-type: none"> • Rail Connectively – Damoh (65 Km.) • NH Accessibility – NH- 86 (37 Km.) • DR Accessibility – SH-37 Damoh to Chhatarpur (12 Km.) Near Amodha village • Airport facility – Khajuraho(112 Km.)
Resources Availability	<ul style="list-style-type: none"> • Water– From Judi River • Cement / Steel – Damoh(65 Km.) • Metal – Buxwaha (20 Km.) • Sand - 85 Km from Gulganj • Soil for Earthen Dam – From the Submergence area (2-5 Km) • Human Resource for Construction Work – Locally Available
Environmental consideration (within 10 km radius from proposed project site)	<ul style="list-style-type: none"> • No National Park/Wild Life Sanctuary/Biosphere Reserve. • Total forest affected in the project is 254.20 Ha, out of which 227.70Ha in submergence (171.80Ha in the distt.Chhatarpur & 55.90 Ha in Distt. Damoh) and 26.50Ha affected in canal (Damoh Distt,) • No Eco sensitive zone • No Critically/ severely polluted areas • No Interstate boundary

DETAILS OF SUBMERGENCE AREA

Forest Land	:	227.70 Ha
Private Land	:	157.81 Ha
Government Land	:	130.00 Ha
Total	:	515.51 Ha

LAND UNDER SUBMERGENCE (District wise)

S N	Details of submergence	Chhatarpur	Damoh	Total
1	Private land	157.81	-	157.81
2	Government land	130.00	-	130.00
3	Forest land	171.80	55.90	227.70
	Total	459.61	55.90	515.51

Hydrology (Approved by BODHI)

S.No	Particulars	Value
1.	Catchment area (sq.km)	141.10
2	Intercepted Catchment Area (sq km)	18.29
3	Net Catchment Area (sq km)	122.81
4	Average Annual Rainfall (mm)	1046.64
5	Designed flood (PMF) (Cumecs)	1483
6	Net 75% dependable yield available (MCM)	28.33

The case was presented by the PP in 275 SEAC Meeting held on 12/05/16 for issuing of TOR to carryout EIA studies with site specific details. The committee after deliberations decided that following additional TORs along with standard TOR issued by the MoEF&CC:-

1. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
2. PP should provide preliminary survey report as **>50% of the area is forest area**. Since project involves forest area, FC clearance should be obtained.
3. Cost benefit analysis including environmental factors should be studied in the EIA.
4. Green belt plan and catchment area treatment plan be provided in the EIA report.
5. Inventory of existing trees and their management should be provided in the EIA report.
6. It was also suggested by the committee that PP should explore the possibility of reducing the submergence of forest area.
7. The committee also decided to undertake site visit and prescribe additional TOR's if required after site visit.

Representative of PP including SDO, Pancham Nagar, Project Survey Division, Damoh & his team, Sri Nigam-Advisor WRD and EIA consultant M/s Voint Solution, Gurgaon accompanied the SEAC team during the site visit.

OBSERVATIONS:

1. It was informed that the Work of EIA has been allotted to the consultant in the month of March, 2017; hence they are in the process of mobilizing the team.
2. It was found that presently, at the time of site visit, there was no evidence of construction, hence there is no violation.
3. The proponent informed that the access route to dam site for movement of construction machinery passes through the forest area. However, this has been included in the proposal for clearance under FC Act.
4. The dam site / submergence is in between to high hillocks forming reasonably good gorge. There is a small village Kacher between two hillock having about 25-30 houses. The agricultural lands adjoining the village belong to these villagers. This is part of immediate submergence.
5. The exercise of exploring the possibility of reducing submergence of forest area has already been included in the TOR issued by the SEAC. However, the PP informed that they have planned to use underground pipeline to reduce the impact on 26.50 ha forest area affected in canal (Damoh district). The SEAC team suggested having a detailed chapter in EIA report on the issue of 'exploring the possibility of reducing submergence of forest area'.
6. The area has reasonably good quality mixed deciduous forest.
7. The SEAC subcommittee did not find any evidence of mining in and around project site.
8. Though the SEAC subcommittee is not of opinion to prescribe any TOR in addition to what has been given in 275th SEAC meeting. However it reiterates the points already given in ToR specially the issue of reducing submergence of forest area of forest land for any use otherwise related purpose.

14. Case No. - 5423/2016 Executive Engineer, Water Resources Department, Division - II, Kesli, Distt.- Sagar, (M.P.) – 470235 ` Medium Irrigation Project, River – Parkul (ken Basin), Vill. - Bakshawaha, Teh.- Sagar, Distt. - Sagar, (M.P.) For-ToR.

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

Sl.No.	Details	PARKUL PROJECT
1	Latitude	23°36'13''
2	Longitude	78°40'16''
3	State	Madhya Pradesh
4	District	Sagar
6	Block	Jaisinagar
7.	River	Parkul (A tributary of river Bewas which is a tributary of Ken.)
8.	Accessibility	At a distance of 61 Kms from Sagar.

SITE SELECTION CRITERIA FOR PROJECT AREA

<u>PARTICULARS</u>	<u>REMARKS</u>
Existing infrastructure	<ul style="list-style-type: none"> • Rail Connectively – Sagar (61Km.) • NH Accessibility – Sagar (25 Km.) • Airport facility – Sagar (70 Km.)
Resources Availability	<ul style="list-style-type: none"> • Water– From Parkul River • Cement / Steel – Sagar (61 Km.) • Metal – Bilhera (25 Km.) • Sand - Narmada (100 Km.) • Soil for Earthen Dam – From the Submergence area (2-5 Km) • Human Resource for Construction Works – Locally Available

Environmental consideration (within 10 km radius from proposed project site)	<ul style="list-style-type: none"> • No National Park/Wild Life Sanctuary/Biosphere Reserve. • No Eco sensitive zone • No Critically/ severely polluted areas • No Interstate boundary
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Necessity & Project Benefits

- To provide Irrigation facility to 3200 hectares of land in draught prone area of Block Jaisinagar, Distt. Sagar
- During summer season, the ground water table lowers down substantially and the region suffers with acute shortage of drinking 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

- Parkul Medium Irrigation Project is proposed on River Parkul, a tributary of river Bewas, near Bakshwaha village of Block :Jaisinagar, Tehsil:Sagar, District :Sagar located at Latitude 23°36'13'' and Longitude 78°40'16''
- The Project is envisaged to have a live storage capacity of 20.37 MCM.
- Abadi of only one Village “Bakshawaha” is coming under partial submergence, 40 houses/families are affected.
- Land compensation & R/R will be provided as per Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act,2013.
- Total CCA of the Project is 3200 ha, benefitting 19 villages of Dist. & Tehsil Sagar.

Reservoir Data:

<u>S.No</u>	<u>Particulars</u>	<u>Value</u>
1.	Top of Bund Level,	EL. 551.15 M
2.	MWL ,	EL. 549.15 M
3.	Full Reservoir Level,	EL. 548.65 M
4	Dead Storage Level,	EL. 540.00 M
5	Deepest River Bed Level,	EL. 528.15 M
6.	Top Width of Dam	6.00 M
7.	Height of Dam,	23.00 M
8.	Gross storage	22.77 MCM

9.	Live storage	20.37 MCM
10.	Dead storage	2.40 MCM
11.	Length of main Dam,	1350 M
12	Length of Spillway,	150.00 M
13	No. of spillway gates,	Ungated

Canal Data (By Flow Irrigation)

S No	Particulars	Length
1.	Length of Main Canal	20.88 Kms
2.	Distribution & Minor Network	30.00 Kms

DETAILS OF SUBMERGENCE AREA

Forest Land	:	38.98 Ha
Private Land	:	221.56 Ha
Government Land	:	125.46 Ha
Total	:	386.00 Ha

The case was presented by the PP in 283rd SEAC Meeting held on 26/10/16 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 38.90 ha forest area, FC clearance has to be obtained. PP should indicate the status of FC clearance in EIA report.
2. It should be discussed in the EIA report that if the proposed height of the dam is reduced by one meter how much submergence area and CCA will be reduced.
3. If there is any mining activity in the area, same should be discussed in the EIA report.
4. Cost benefit analysis including environmental factors should be given in the EIA report.
5. Green belt plan and catchment area treatment plan be provided in the EIA report.
6. Inventory of existing trees and their management should be provided in the EIA report.
7. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
8. The potential risks and threats associated with the dam when it reaches FTL to the **nearby villages** should be discussed in the EIA.
9. The submergence is quite high in relation to CCA. Hence, the committee will carry out site visit and may issue additional ToR if necessary.

During the site visit on 25th April 2017, a team of PP having **Executive Engineer, Water Resources Department, Division - II, Kesli, Distt.- Sagar**, Sri Nigam-Advisor WRD and EIA Consultant, DAS India Pvt. Ltd Lucknow (Mr. Atulesh Sr. Executive Environmental Manager) accompanied the SEAC Sub-committee.

OBSERVATIONS:

1. The EIA consultant informed that the EIA study has been allotted to them on 22nd February, 2017. They have, so far, done only preliminary survey and are in the process of mobilizing monitoring work.
2. The proponent informed that the access route to dam site for movement of construction machineries etc does not pass through the forest area.
3. The application for FC is in the initial stage.
4. The SEAC Sub Committee did not find any evidence of project implementation / construction at the time of site visit. Hence there is no violation.
5. The SEAC subcommittee did not find any evidence of mining activity in the area for the proposed submergence.
6. The dam site / submergence is in between two small hillocks at quite good distance. The submergence is quite high in relation to CCA for want of reasonably good gorge. Even the submergence area is quite undulating reducing the storage quantity. The committee therefore emphasized up on the point No 2 of ToR recommended in 283rd SEAC meeting, i.e., *“It should be discussed in the EIA report that if the proposed height of the dam is reduced by one meter how much submergence area and CCA will be reduced”*. The PP/ consultant were asked to address this point in detail in a separate chapter in EIA report.
7. The SEAC subcommittee reiterated the points already given in ToR. Since the submergence is quite high in relation to CCA the issue of reducing proposed height of the dam by one meter be addressed in depth in EIA. However, no additional TOR to that already given in 283rd SEAC meeting is proposed.

The above site inspection report was placed before the committee for deliberations and discussions. Dr. U. R. Singh briefed all the members about the findings and recommendations of the subcommittee report. The committee after deliberations decided

that the issues raised by the subcommittee should be communicated to the concerned PP's and same should be addressed with the EIA report.

(B) INFORMATIONS SUBMITTED BY PP'S/ISSUES RAISED BY SEIAA

15. Case No. - 4154/15 Shri Narendra Batra, Director, M/s Samarth Devcon Pvt. Ltd., 208, Saffire Heights, A.B. Road, Indore (MP)-452001 For- Building Constuction. Prior Environment Clearance for approval of proposed Construction of Group Housing Project "Shikharji Dreamz" at Khasra no.-22/1/1, 22/2, 23, 25/1, 26/1/2, 2/2/1, Village-Arandiya, Near Talawalichanda Tehsil-Indore, District-Indore (MP)

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.

This is a residential project comprising building construction with Total Project Area 42570.00 m² Road Widening Area – 4461.000 m² (342 + 4118) Net Land Area for Project – 38109.00 m². The project is proposed Khasra No. – 22/1/1, 22/2, 23, 25/1, 26/1/2, 2/2/1, Village-Arandiya, Near Talawalichanda Tehsil-Indore, District-Indore (MP). By virtue of type and size of project it falls under Category B-2, 8(a) in the EIA Notification hence requires prior EC from SEIAA.

Chronology of the case

The case was presented by the PP and their consultant in the 281st SEAC meeting dated 01/09/2016 wherein PP informed that they have already constructed approx. 18,000 sq. meter as per the CTE obtained from the M. P. Pollution control Board. The committee after deliberations decided that since PP has taken up the construction activities up to 18,000 sq. meter, site visit may be carryout by a sub-committee of SEAC and PP may be asked to submit chartered engineer certificate for the construction activities already taken up and total build up area against the T&CP permission and compliance statement of CTE conditions.

As decided, Shri K. P. Nyati, Member SEAC and Shri R. Maheshwari, Member SEAC visited the site on 25/09/2016. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal and Shri Sanjay Jaiswal, Project Manager was also present.

- **Project Construction Details;**

It was informed by the representative of PP present at the site during the site visit of the team that the total land area of the project is 42,770 Sq. M. and the proposed built up area of the project is 38109 Sq.M.

The Project consists of group housing and Duplexes with all the basic amenities. The construction work for the project is already initiated. Construction status for different residential blocks is different. No construction activities were observed during site visit but construction of approx. 18,035 Sq. M. area is completed as per the submission of the PP.

One number of Entry/Exit is present to the project site. One main entry exits are through 09 Meter wide coordination road. One entry in the east is through 09 M master plan road while all the roads for internal circulation are 09 M, 7.5 M and 06 M wide. Some internal pucca roads have already been constructed.

There are 92 duplexes and 194 apartments are proposed in the project. 40 nos. of EWS units are also proposed. Civil constructions of 80 duplex units have been completed and 12 were under completion stage. As per the T&CP approved layout, construction of blocks A, B & C is completed and block D was under completion stage.

- **Drainage Pattern of the project site;**

As per the information provided PP, drainage pattern of the project is south of the project site towards the back side of the project. The position of STP was finalized, keeping in view the natural drainage pattern of the project site.

- **Traffic Circulation and connectivity**

For conflict free traffic and fire tender movement, arterial roads of 9.0 M, 7.5 M and 6.0 M are proposed. Clear circular roadway has been provided along the periphery of the Project. As per details provided by PP, Fire fighting equipments, such as wet risers and hose reels are proposed at site.

- **Water Supply, requirement and its treatment**

As per the information provided by the PP during the site visit, water supply for residents will ensured @ 65 KLD Sump Well. The water requirement for the residents will be sourced through the municipal supply/ ground water) during the operation phase. For

treatment and recycling of treated water on site STP of capacity 150 KLD is proposed below the ground level and was under construction stage and non-operational.

- **Solid Waste Management**

Area for construction of a 48 hours MSW collection has been identified near STP.

- **Rain Water Harvesting**

As per the information provided by PP, 06 nos. of Rain Water Harvesting structures are proposed for the harvesting of roof top runoff water out of which 03 are constructed and 03 are proposed to be developed. PP also ensured to make arrangements for the flushing of first rain water to ensure that only clean water enters the recharge system.

- **Green Belt Details;**

As details provided by PP, 11509 Sq. M. (11.6%) of area is dedicated for the landscaping purposes. Peripheral plantation is present along the project boundary with no. of 500 Plants. PP was asked to provide peripheral plantation of trees of large canopy.

- **Energy Requirements**

The total energy requirements will be approx. 1650 KW. PP instructed to ensure installation of energy saving appliances such as LED lightings in common areas. At present, 10 solar panels have been provided in the project.

The above inspection report was placed for the discussion in the 282nd SEAC meeting dated 10/10/2016 wherein after deliberations committee decided that PP may be called for the presentation after the submission of chartered engineer certificate for the construction activities already taken up and total build up area against the T&CP permission and compliance statement of CTE conditions.

PP was also informed to submit above information vide letter no 1528 dated 18/10/2016. PP so far has not submitted the desired information and the case was 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. - 5451/2016 M/s Hindustan Petroleum Corpn. Ltd, Mangalia Pol Depot (Indore), Sanver Road, Mangalia Village, Indore, (M.P.)-453771 Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Village. - Mangalia, Tehsil. Sanwer, Distt.- Indore, (M.P.)

PROJECT PROPOSAL

The project proposal is for Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Vill. - Mangalia, The. Sanwer, Distt.- Indore, (M.P.) (Cat. – 6 (b) Project).

Brief Description Project Area & LAND

- The proposed project falls under the industrial area and there is no processing involve in this project. The transportation of material for storage purpose thru railway siding and also depend on existing pipeline form BPCL terminal.
- Mangliya industrial area is situated beside A.B. Road near Mangliya village 13 km away from Indore.
- In this area mainly medium major scale industries are established like dairy plant, solvent extraction, vegetable oil refinery, Vanaspati plant and Storage of petroleum product.
- Total No. of industries registered in the board are 13 out of which red category units are 11 and green are 02.
- The latitude and longitude of proposed site is 22° 48”56.70’N and 75 °55”7.51E.

Existing Facilities at Indore IRD Installation:

- Existing Capacity of Plant-18,450 KL Product & 2000 KL Water
- 12 Nos of above ground Storage Tanks
- 4 Nos U/G Tanks for MS, ethanol & SKO , 4 Nos A/G Horizontal tanks (LDO, FO).
- 1x8 Bays + 1x2 bays T/T Gantry
- Pump Houses, Admin building and other allied facilities.

Proposed Facilities:

- Proposed Capacity 42600 KL Product & 8000 KL Water.
- Dismantling of all tanks, Gantry, Pipeline, Pump house.
- New facilities proposed:.. Tanks-20 no. of varying capacity, TT Gantry (two rows of 8 bay), pump house, and Fire fighting lines/facilities other support facilities and

infrastructure facilities like approach roads, Pump Houses, Admin building, and vehicles parking area, ETP etc.

Existing Tanks with Quantity

<u>Sl.No.</u>	<u>Class</u>	<u>Material</u>	<u>No of Tank</u>	<u>Quantity (KL)</u>
1	C	FO/LDO	5	780.00
2	A	Hexane/MS ULP	8	4,500.00
3	B	HSD/SKO/ATF	8	13,170.00
TOTAL			21	18,450.00
5	NA	Water (Fire Fighting)	2	2,000.00
Total			23	20,450

Proposed Tanks with Quantity

<u>Sl.No</u>	<u>Class</u>	<u>Material</u>	<u>No of Tank</u>	<u>Quantity (KL)</u>
1	C	Bio Diesel	2	3,100.00
2	A	Hexane/MS Ethanol	7	11,680.00
3	B	HSD/SKO/ATF	9	27,820.00
TOTAL			18	42,600.00
5	NA	Water (Fire Fighting)	2	8,000.00
Total			20	50,600.00

The case was presented by the PP and their consultant wherein during presentation it was observed from the Google image that that the existing site is surrounded by number of industries existing in the nearby area, village on the east and southern side and two other depot of IOCL and BPCL on the western side and primarily site seems to be unsuitable for the proposed augmentation.

The case was earlier discussed in the 285th SEAC meeting dated 26/1/2016 wherein it is recorded that committee after deliberations asked PP to first submit site feasibility study report for further expansion through modeling or other techniques as site is surrounded by other industrial units, bulk storage depots of IOCL & BPCL and village area with respect to following for consideration of TOR:-

1. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted that which facilities will be dismantled and facilities that will remain intact.
2. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.
3. Alternate sites should also be examined and discussed in the site feasibility study report.

PP vide letter dated 31/01/2017 has submitted the query reply which was forwarded by the SEIAA vide letter no. 5265/SEIAA/17 dated 13/02/2017.

The case was presented by the PP and their consultant wherein PP submitted that all the existing storage tanks will be dismantled. PP further submitted that new terminal will be provided with state of the art automation and safety system fully confirming to OISD standard 244. PP also informed that due to existing infrastructural facilities such as railway siding which is shared by all the three existing terminals, this site is suitable for expansion and they have also carried out comprehensive quantitative risk assessment (QRA) and based on the report adequate measures are proposed for protection of HOCL terminal, neighboring terminals and village area. PP requested that they have started collecting the data from October, 2016 and may be allowed to use them in the EIA which was agreed by the committee. Committee after deliberations decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. EIA studies should be carried out considering the proposed master plan of the Indore city.
2. Any natural drainage nearby the facility should be protected and the detailed protection plan from any spillage should be discussed in the EIA report.
3. PP should provide the details of existing trees and plan for proposed green belt with area, name of species and their number in EIA report.
4. No parking will be allowed outside of the terminal premises. PP should submit detailed parking plan and traffic management plan considering the peak load in the EIA report.
5. Details of the plans to meet out crises such as fire accident to be furnished & presented in the EIA report.
6. Additional measures proposed for the protection of neighboring plants and village should be discussed in detail in the EIA report.
7. Details of existing on-site / Off-site emergency plan and the proposed modification in view of expansion to be submitted.
8. Details of existing Safe Guards (Environmental as well as safety) and the proposed augmentations to be presented in the report.
9. Study of the ground-water regime with specific reference to oil & grease shall be incorporated in the EIA study.
10. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted in EIA report that which facilities will be dismantled and facilities that will remain intact on layout map.
11. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.
12. Details of various alternate sites considered for the project be included in the EIA report.
13. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
14. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.
15. Compliance report of consent conditions from Regional Officer, M. P. Pollution Control Board, Indore should be submitted with EIA report.

PP vide letter dated 29/03/2017 has submitted a request which was also forwarded by the SEIAA vide letter no. 212/SEIAA/2017 received on 17/04/2017 for seeking exemption from public hearing which was placed before the committee for discussion. Committee on perusal of the request observed that PP has stated that the proposed project is coming in existing Manglia Industrial Area and as per OM No. J-11013/36/2014-IA-1 dated

10/10/2014 & amendment dated 04/04/2016 public hearing is exempted to all projects located within the industrial estates which were notified prior to 14th September, 2006 i.e. However, PP has not attached any documentary evidence in support of their claim that Manglia Industrial Area was notified 14th September, 2006 except copy of land allotment letter for Hindustan Bulk Petroleum Depot. 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.

**[Dr. R. B. Lal]
Chairman**

**[Dr. U. R. Singh]
Member**

**[Dr. Mohini Saxena]
Member**

**[Dr. Alok Mittal]
Member**

**[Manohar K. Joshi]
Member**

**[R. Maheswari]
Member**

**[Manoj Pradhan]
Member**