

The 163rd meeting of the State Expert Appraisal Committee (SEAC) was held on 24th December, 2014 under the Chairmanship of Dr. R. B. Lal. The following members attended the meeting-

1. Dr. MohiniSaxena, Member
2. Shri K.P. Nyati, Member
3. Shri A.P. Srivastava, Member
4. Shri Manoj Pradhan, Member
5. Shri Manohar K. Joshi, Member
6. Dr. U.R. Singh, Member
7. Dr. Alok Mittal, Member
8. Shri A.A. Mishra, Secretary

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

1. Case No. – 1703/2013 Gwalior Development Authority, Gwalior, M.P. Through Chief Executive Officer, Shri S.K. Mishra, Vikas Bhawan, 1, Ravi Nagar, Gwalior (M.P.) 474002 (NGT Case no. -191/2014) Commercial Complex “Madhav Plaza” at Khasra No. – 756, Village – Lashkar, Tehsil - Huzrat Road, Lashkar, Distt. – Gwalior (M.P.) Total Plot Area – 9305 m²., Total Built Up Area – 26,117.81 sq.mt.. **Building Construction Env. Consultant: Kadam Env. Con. Delhi**

This is a building construction project comprising a plot area of 9305 m² and total Built-up Area of 26,117.81 sq.mt and is mentioned as item no. 8 (a) of the schedule of EIA Notification. Thus, the project requires prior EC before commencement of activity at site. The project was presented by the PP and his consultant which reveals following salient features about the project. The

Project	Commercial Complex “MADHAV PLAZA”
Location of project	Lashkar, Huzur Road, Gwalior, Madhya Pradesh
Project Proponent	M/s Gwalior Development Authority
Plot area (m ²)	9,305
Proposed Built up Area (m ²)	26,117.81
Total proposed FSI (m ²)	16,283.75
Number of floor	G+3
Basement area (m ²)	5,150
Proposed Ground coverage (m ²)	4,571.5

Project surroundings

Area	Name	Approximate distance (km) and Direction
Nearest Highway	NH-3	~ 1.57 km in NNW direction
Nearest Railway	Gwalior Junction Railway Station Ghosipura Railway Station	~3.34 km in NE direction ~1.5 km in North direction
Nearest Airport	Gwalior Airport	~12.8 km in NE direction

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Densely populated or built-up area	Chitnis ki Goth Daulat Ganj Vivekanand Colony	~ 0.46 km in WNW direction ~ 0.49 km in North direction ~ 0.62 km in NE direction
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Plot area breakup

Area	Area in sq.m.	%
Total Plot Area	9,305	
Ground coverage	4,571.5	49.13
Parking/Utility area	3,337.75	35.87
Green area	1,395.75	15.0

Water demand breakup during operation phase

S. No	Description	Per capita water demand	Fresh Water requirement (KLD)	Waste Water
1.	Commercial			
	• Staff (1900 persons)	45 lit/day	85.5	68.4
	• Visitors (6522 persons)	15 lit/day	97.83	78.3
2.	Landscape (1,395.75 m ²)	@ 4 lit/m ²	5.6	-
3.	Floor Washing		11.8	
	Total		201	146.7 KLD = 147 KLD

Scrutiny of the case revealed that there are several discrepancies in the submissions including following:

- MSW/ Sewage management, break-up of area in conceptual plan etc. is not clear.
- There are a several typographic errors which need to be edited appropriately.
- EMP is not acceptable and is required to be revised addressing all the expected impacts vis-à-vis mitigation.

It was decided to call the PP for a presentation in next meeting.

2. Case No. – 2032/2014 Shri B.N. Tripathi, Project Director, Indore Development Authority, Indore (MP)-462016 *Environmental Clearance for approval of proposed residential project Scheme No.- 165 of Indore Development Authority at Village & Tehsil-Rau, District-Indore (MP) Total Plot Area - 13.977 Ha., Building Construction Env. Consultant- Greenciindia Consulting Pvt. Ltd. Ghaziabad (U.P.)*

Most of the Members did not receive the documents pertaining to the project. Hence the case was deferred for coming meetings.

3. Case No. – 2033/2014 Shri B.N. Tripathi, Project Director, Indore Development Authority, Indore (MP)-462016 *Environmental Clearance for approval of*

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proposed residential project Scheme No. - 175 of Indore Development Authority at Village-Nipania, Kanadia, Tigaria Rao & Bicholi Hapsi, Tehsil & District-Indore (MP) Total Plot Area - 475.379 Ha.,(Net Planning Area- 389.338 Ha.) **Building Construction.** Env. Consultant- Greenciindia Consulting Pvt. Ltd. Ghaziabad (U.P.)

Most of the Members did not receive the documents pertaining to the project. Hence the case was deferred for coming meetings.

- 4. Case No. – 2034/2014 Shri B.N. Tripathi, Project Director, Indore Development Authority, Indore (MP)-462016** *Environmental Clearance for approval of proposed residential project Scheme No. - 136 of Indore Development Authority at Village-Niranjanpur & Kabirkhedi, Tehsil & District-Indore (MP) Total Plot Area - 92.237 Ha.,* **Building Construction.** Env. Consultant- Greenciindia Consulting Pvt. Ltd. Ghaziabad (U.P.)

Most of the Members did not receive the documents pertaining to the project. Hence the case was deferred for coming meetings.

- 5. Case No. - 2089/2014 Mr. Sarkar, General Manager, Madhya Pradesh Audyogik Kendra Vikas Nigam, 1st Floor, Tawa Complex, Bittan Market, E-5, Arera Colony, Bhopal-16 Cat. - 7(c)** *Prior Environment Clearance for proposed Industrial Area Development Project at Tehsil-Babai, District-Hoshangabad, MP On Priority – SEIAA Letter No. 2637 dt. 11/12/14* **Industrial Area Development Project** Env. Consultant- SANES, Delhi. For – TOR.

The project pertains to development of an Industrial Estate in a plot area of 679 ha. It is reported that the proposed industrial estate shall not be housing any industry belonging to Category A or B. That is, only those industries shall come up in the estate which is exempted from the provisions of EIA Notification. Thus the project falls under 7(c), B Category and requires prior EC from MPSEIAA. The application has been forwarded to SEAC by SEIAA for scoping so as to determine TORs to carry out EIA and prepare EMP for the project. The salient features of the project were presented by the PP accompanied by his consultant. The submissions and the presentation reveals following:

Mohasa Industrial area is proposed on an undeveloped barren Government land spread in an area of 1678.73acres (679ha). The land was transferred to MPAKVN, Bhopal in July 2012 for industrial development.

Site location: Babai Tehsil, Hoshangabad district

“ Plot area: 1678.73acres (679ha).

“ Accessibility: Approachable via NH69 connecting SH 22

“ Nearby towns : Hoshangabad -18kms ; Itarsi ó 21km; Bhopal ó 100km

Salient features of the project:

Land	Undeveloped Government land
Plot size	1678.73 acres (679ha)
Type of project	Industrial area development

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	<ul style="list-style-type: none"> " Agro based food processing sector " Textile sector " Dedicated area for Micro & Small Industries
Location	Located in the vicinity of 8 villages viz. Mohasa, Madhavan, Jhasar seth, Goradiamoti, Peelikharar, Chaplasar, Makodia, Sanghakheda Kala covered under Babai Tehsil of Hoshangabad district.
Surface and ground water availability	<p>Surface Water: Narmada river flows north of the site over 8km away and Tawa river-a tributary of Narmada river flows at a distance of 3km south of the proposed site.</p> <p>Ground water: The groundwater resource of the district is under-developed and under-utilized. As per CGWB report, 2009 all blocks of Hoshangabad district come under safe category.</p>
Water source and requirement	<p>WATER SOURCE: Surface water from Narmada river flowing at a distance of 8 km from the proposed site.</p> <p>WATER SUPPLY DEMAND: Total water requirement 23.01MLD</p> <ul style="list-style-type: none"> " Industrial demand : 17.92 MLD " Domestic water demand: 0.32MLD " Horticulture development: 2.5MLD " Firefighting ; 0.20MLD <p>About 20% of the total water demand will be met by recycling of water.</p>
Power source and requirement	<p>POWER REQUIREMENT: 10MVA</p> <p>SOURCE OF POWER SUPPLY: Power will be supplied from the 132/33kV sub-station at Gujarwada located 20.5 km away from the Project site</p>
Manpower requirement	Manpower projected: 42000 (approx) workers. The industrial area will have area earmarked for residential purpose.
Waste water generation	<p>Waste water generation: 11.04MLD</p> <p>It is estimated that about 60% of the total water supply for industrial use (17.92MLD) would be converted to industrial waste water (inclusive of effluent) and 20% of the total water supply will be recycled.</p>
Solid waste generation	<ul style="list-style-type: none"> " The domestic waste (biodegradable) will be composted and used as manure. The non-biodegradable waste like paper, plastic, glass etc. will be sold to authorized recyclers. " The hazardous waste like waste oils, ETP sludges, etc. will be collected and disposed off to the nearest common hazardous waste disposal facility offsite as per Hazardous Waste (Management and Handling) Rules, 1989. <p>Quantity and characteristics of the industrial wastes is difficult to estimate at this stage however, this will be done at a later stage of planning.</p>

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Social infrastructure	<ul style="list-style-type: none"> ▪ The villages in the vicinity of site have primary and secondary schools. ▪ For higher education, various colleges are present in Hoshangabad city (18kms away) & Itarsi (xx). ▪ Some villages equipped with Public Health center. ▪ Availability of power supply and drinking water facilities viz. hand pumps, open wells and tap water in the site area villages. ▪ Transportation medium: Bus
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Status of Project

Master plan	Approved by Town & Country Planning Department, Madhya Pradesh.
Water supply	Approval for withdrawal of 5MGD of water from Narmada river has been obtained from District Water Utilization Committee headed by Collector, Hoshangabad district.
Power supply	Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Limited (MPMKVVCL) has approved 33 KV power supply and internal distribution of 11 KV network from Gujarwada Sub-station.
Private land acquisition	Land acquisition for approach road of 3.3 km length is under process through Hoshangabad Collector. Notification for Section IV has been issued and advance position has been given
Land transfer	Land from State Government has been transferred to MPAKVN, Bhopal for development of industrial area development.

Industrial Area Master Plan

S.N	PARTICULARS	AREA		
		Acres	Hectares	Percentage
		1678.73	679.65	100%
1	Total Developable Area	1206.14	488.32	72%
2	Open Space/ Service Area/Roads/Parking	472.59	191.33	28%
Distribution of Developable Land				
A	Industrial area			
a)	Zone F	244.07	98.78	
b)	Zone T	442.55	179.10	
c)	Zone M	141.25	57.16	
d)	Zone MS	74.78	30.26	
A	Total Industrial Land	902.65	366.58	75%
B	LOGISTICS (including warehousing) ZONE	156.09	63.17	13%

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C	PSP	28.66	11.60	2%
D	Commercial	37.05	14.99	3%
E	Residential	78.89	31.93	7%
	TOTAL DEVELOPABLE AREA	1206.14	488.13	100%

Infrastructure Planning

Industrial area

“ Industrial area would be developed in 902.65 acres of land i.e over 75% of the land will be used for industrial area development.

Commercial area

“ Commercial area is proposed to cover 37.05 acres of land.

“ Facilities to be developed in the commercial area will include shops, offices, nursing homes, movie theater, Cineplex, hotel, club, guest house, service apartments, social and cultural center, Bank, A.T.Mø etc.

Residential area

- Approximately 7% the developed land under Mohasa industrial area has been allocated for residential use.
- Colonies will be developed with 1BHK and 2BHK housing units with 250-400sq.feet per unit respectively.
- To be implemented at a later stage.

Amenities and facilities

- Institutional Area, Commercial Area, Hospital, Police Station, Fire Station, Schools, Labour Welfare Centre, Health Centre, Petrol Pump, Community Hall, Police Station and Post Office to cater to the needs of industrial area workers and managers along with residential areas for employees are also planned.

Horticulture

- “ Landscaping and beautification of all parks & green areas planned.
- “ Development of small kiosks (commercial)
- “ Routine maintenance of all green & open areas

Parking

“ Phased development of surface car and truck parking, adequate provision of lighting & security.

Open space/ service area/ roads/parking

- “ Over 28% of the land has been designated for open area development. A 25m of buffer area along the natural drain passing through the site would be maintained.
- “ Green belt will be developed along the periphery of the industrial units, along the major roads as well as between residential and industrial area.

ROAD NETWORK

The industrial site will be connected to the main MPPWD road via an external approach road (3.3km). Four internal roads within the industrial area are also planned.

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S.N	ROAD WIDTH	LENGTH
1.	EXTERNAL APPROACH ROAD	
	45m (ROW)	3300
	INTERNAL ROADS	
1.	75m ROW	4180
2	75m ROW	8360
3	30m ROW	5975
4	24m ROW	7040
5	15m ROW	6305
	TOTAL	35160
SOLID WASTE MANAGEMENT		
<ul style="list-style-type: none"> “ Door to door solid waste collection from industrial plots, commercial areas & kiosks “ Cleaning & sweeping of roads and green / open areas (472.59 acres) “ Domestic (Biodegradable) waste will be composted and used as manure. “ The non-biodegradable waste like paper, plastic, glass etc. will be sold to authorized recyclers. “ The hazardous waste from individual units like waste oils, ETP sludge, etc. will be collected and disposed off to the nearest common hazardous waste disposal facility offsite as per Hazardous Waste (Management and Handling) Rules, 1989. 		
WATER SUPPLY NETWORK		
<ul style="list-style-type: none"> ▪ Sourced from Narmada River (8km away) through a 5MGD capacity intake well/pump house and distributed after treatment in a 23 MLD capacity Water Treatment Plant. ▪ Four water supply zones are proposed to meet the demand of the entire industrial area. 		
SEWAGE/ EFFLUENT COLLECTION & TREATMENT		
<ul style="list-style-type: none"> “ Low cost sanitation system viz. septic tanks and soak pits proposed. “ A Sewage Treatment Plant (STP) is proposed during residential area development, which would be initiated at a later stage. Sewerage system will be divided into six zones. “ Individual Effluent Treatment Plant (ETP) proposed for all processing units within the industrial area. The waste water discharge would be as per CPCB effluent discharge standards and as per principles of zero discharge policy. “ Treated water generated from the individual ETP: Used for horticulture, air conditioning, cooling towers, washing, processing and flushing of toilets. 		
STORM WATER DRAINAGE		
<ul style="list-style-type: none"> “ Storm water drainage network on both sides of the road is planned. “ Six internal storm water drains are planned, to channelize the storm water flow into the existing natural drain (nallah) 		

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<p>following the slope of the land.</p> <p>“ Channelization and deepening of natural drains is also proposed by construction with RCC M 20 grade concrete, along the entire length of the drain passing centrally through the proposed industrial area.</p>
RAIN WATER HARVESTING SYSTEM
<p>“ Rainwater harvesting structures are planned to collect and reuse the rain water for green area development and also to feed into the sub-soil so as to raise the ground water level.</p>

Environmental Sensitivity

SENSITIVITY	Mohasa Industrial Site
FOREST AREA	NO. The land is undeveloped Government land. Vegetation is limited to some wild outgrowths.
NATIONAL PARK	NO. Ratapani Wildlife Sanctuary : 14.4km Satpura National Park : 23.53km
WATERCOURSES OR OTHER WATER BODIES	Narmada river : 8km away (North of site) Tawa river: 3kms away (South of site) Natural drain : Passing centrally through the site (4.18 km within the site)
STATE OR NATIONAL BOUNDARY	No
DEFENSE INSTALLATIONS	Nil
NEAREST VILLAGE	Mohasa village at a distance of 1km

It was reported by the PP that ó

- ❖ Reconnaissance site visit and baseline environmental monitoring completed.
- ❖ Monitoring locations and parameters selected based on CPCB guidelines

Environmental impact assessment would include:

- . Air and noise emission controls as part of construction and operation phase activities;
- . Solid waste generation and disposal system to minimize wastes and ensure safe disposal during construction and operation phase;
- . Impact on soil quality. Protection of top soil from industrial area development & control of soil erosion;
- . Liquid waste management and disposal measures during construction and operation phase;
- . Impact on water resources and hydrology;
- . Storm water drainage planning in accordance with natural drainage of the area;
- . Sourcing of water and other natural resources with respect to local availability;
- . Narmada basin assessment of the site and flood control measures;
- . Traffic density analysis and impact prediction;

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- . Environment needs as part of industrial area selection;
- . Ecological Impact Assessment;
- . Socio-economic Impact Assessment of the area;
- . Impact assessment on social infrastructure due to industrial area development;
- . Assessment of risks associated with industrial area development and control measures to be adopted;
- . Occupation health & safety risks associated with the activity and the mitigation measures that MPAKVN, Bhopal would adopt.

After deliberation the TOR was approved by the committee with inclusion of following points in the EIA / EMP:

- Details of the water supply for the project during operational as well as construction phases to be furnished including the pumping / lifting system, raw-water treatment system etc.
- Work plans with list of probable industries expected to come in the estate.
- Sewage management plan with plans for disposal / management of industrial waste-water.
- Solid waste Management Plan.
- Base line data already under collection may be used in the EIA report.
- Other standard TORs shall be applicable.

6. Case No. - 2102/2014 Mr. S.K. Mishra, Executive Engineer, Bhopal Development Authority, Pragmatic Bhawan, Press Complex, M.P. Nagar, Zone-1, Bhopal-462011 *Prior Environment Clearance for approval of proposed residential construction project "Affordable Housing Scheme-Atal Aashraya Yojna" at Village-Navi Bag, Tehsil-Huzur, District-Bhopal (MP)* **Building Construction. Env. Consultant- Greenciindia Consulting Pvt. Ltd. Ghaziabad (U.P.)**

This is a township development project comprising a plot area of 13.11 Acres and built-up area of 27913.58 m². The project is mentioned at SN. 8 (a) of the schedule of EIA notification and hence requires prior EC from SEIAA. The application for the EC was forwarded by the SEIAA to SEAC for appraisal and necessary recommendations. Salient features presented by the PP and his consultant reveals following:

Project Name	Affordable housing project, atal aashraya yojana, navi bagh, bhopal			
Population	2580 (96 Nos EWS + 420 Nos LIG = 516 Dwelling Units)			
Land Requirement	Plot Area		Built-up Area	
	53100 m ² or 13.11 acre		27913.58 m ²	
Water Requirement	Phases	Fresh Water in KLD	Treated Water in KLD	Total Water in KLD
	Construction	3.15	50.36	53.51
	Operation	108.36	164.63	272.98

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STP	Capacity-220 KLD, SAFF technology /SBR technology based.
Power Requirement	1375 KVA power will be supplied by M.P State Electricity Board and back-up power will be provided by 1 DG sets of 750 KVA and 1 DG set of 500 KVA.
Project Cost	Total Cost
	6180.73

Project Location	
Latitude	23° 18'56.7"N
Longitude	77°24'54.2"E
Location	Navi Bagh, Bhopal, Madhya Pradesh
District	Bhopal

Connectivity Options		The proposed project site comes under Residential area as per the Bhopal Master Plan 2005.
NH-12	1.08 km	
SH-23	0.53 km	
Bhopal Junction Railway Station	5.5 km	
Raja Bhoj International Airport, Bhopal	8.11 km	

Environmental setting in 15 Km radius around the site:

Sensitive Receptor	Distance	Direction
Patra Nadi	1.7 km	E
Upper Lake	7.0 km	SSW
Mungaliya Kot PF	7.0 km	NE
Upper Lake	7.0 km	SSW
Hatayekheda Dam	9.3 km	SE
Bhopal RF	10.0 km	E
Samarda RF	10.0 km	NE
KiratNagar PF	10.0 km	NNE
Bhopal PF	11.5 km	ENE
Kotra Chopra PF	13.5 km	N
Raisen PF	14.5 km	NE

Proposed Land use

Description	Area in m ²	Percentage (%)
Residential	5808	11
Mixed land-use	2280	4
Amenities & Services	540	1

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Circulation	11280	21
Green area	16300	31
Playground area	10452	20
Open space	10452	20
Total	53100	100

Area statement

Description	Area in Acre	Area in m ²	Percentage (%)
Residential units	1.44	5808	10.94
Mixed land-use	0.56	2280	4.29
Amenities	0.13	510	0.96
Services	0.007	30	0.06
Proposed 45 m wide road	1.85	7500	14.12
Internal road area	0.93	3780	7.12
Playground area	4.03	16300	30.7
Open park	0.70	2840	5.35
Green area	0.89	3600	6.78
Open space	2.58	10452	19.68
Total Plot Area	13.12	53100	100

Water Requirement- Operation Phase

S.No	Description	Unit	No. of person	Per capita consumption in lpcd	Fresh Water in KLD	Treated Water in KLD	Total water requirement in KLD
1	Residential domestic activities						
a	Drinking use	no.	2580	7	18.06	0	18.06
b	Bathing use	no.	2580	20	51.6	0	51.6
c	Flushing use	no.	2580	21	0	54.18	54.18
d	Washing use	no.	2580	15	38.7	0	38.7
e	Misc	-	2580	23	0	59.34	59.34
Subtotal (a+b+c+d+e)				86	108.36	113.52	221.88
			Area (m ²)	In litre per m ²			
2	Horticulture	m ²	3600	5	0	18	18
3	Road side plantation					33.1098	
Total (1+2)					108.36	164.6298	272.989

Waste Water Generated / Management

S. No	Description	unit	No. of person	Per capita consumption in lpcd	Fresh Water in KLD	Waste water from fresh water @80%	Treated Water in KLD	Waste water from treated water in KLD	Total waste water in KLD
1	Residential domestic activities								

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a	Drinking use	no.	2580	7	18.06	14.448	0	0	14.448
b	Bathing use	no.	2580	20	51.6	41.28	0	0	41.28
c	Flushing use	no.	2580	21	0	0	54.18	48.762	48.762
d	Washing use	no.	2580	15	38.7	30.96	0	0	30.96
e	Misc	-	2580	23	0	0	59.34	47.472	47.472
Subtotal (a+b+c+d+e)					108.36	86.688	113.52	96.234	182.922
			Area (m ²)	In litre per m ²					
2	Horticulture	m ²	3600	5	0	0	18	0	0
3	Road side plantation						33.1098		
Total					108.36	86.688	164.6298	96.234	182.922
STP Capacity - 220 KLD									

Rain water harvesting:

- Rain water harvesting pit is to be designed for harvesting 4773.128 cum of water.
- Three recharge pits of radius 2m and depth 3 m will be constructed for harvesting rainwater
- Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- Rainwater from roofs will be taken to collection/desilting chambers located on ground.
- The water collected will be used for replenishing the ground water aquifers and creating surface storages for utilization in non-rainy season.

Soil quality- impact & management

Potential Impact Areas	Management Strategy
Construction Phase	
Soil to be excavated periodically from earth work in phased manner	Excavated top soil were stored in temporary constructed soil bank and reused for landscaping of the project.
Contamination of soil from handling and storage of oil and lubricants, construction wastes during construction activities	Proper storage of oil and lubricants in drums and kept in paved and lined surface with dyke and spill collection pit. Sold to CPCB/MoEF authorized vendors only.
Soil pollution due to garbage dumping in open areas and spillage of hazardous wastes	Composting of biodegradable wastes and used as manure in landscaping. Hazardous wastes will be sold to approved vendors only
Operation Phase	
Soil erosion due to increment of paved areas.	Proper landscaping will be provided for the management of soil and increment of vegetation area.

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Soil pollution due to garbage, street sweeping waste and dust paint cans used oil and lead batteries.	Waste will be disposed at waste dumping site. Used oil , paint cans and lead batteries shall be sold to approved vendors only.
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Air quality- impact & management

Potential impact areas	Management strategy
Construction phase	
Fugitive dust emission due to construction activities	➤ Regular water sprinkling is proposed through out the construction phase
Gaseous pollution due to vehicular movement	➤ Only puc certified vehicle shall be deployed during construction phase
Gaseous pollution due to fuel consumption in hemms and dg set	➤ Good quality of fuel and regular maintenance of the machineries will help in reduction of emission rate
Operation phase	
Emission due to dg set operation as power back-up	➤ Stack height as per cpcb guidelines for wider dispersion of plume ➤ Use of low sulphur content fuel
Emission due to vehicular movement	➤ Only puc certified vehicle will be entertained
Effect due to paved surfaces.	➤ Grass paving is proposed at all the open surface

Waste disposal- construction phase

Likely impact	Managementmeasures
Types of waste such like bricks, concrete, ms rods, tiles, wood etc. Was generated. Soil to be excavated periodically from earth work in phased manner.	<ol style="list-style-type: none"> 1. Construction yards were used for storage of construction materials. 2. Excavated top soil were stored in temporary constructed soil bank and reused for landscaping of the project. 3. Remaining soil was utilized for refilling/road work/raising of site level at locations. 4. The provision of òrefuse containersö at site had kept for the management of domestic waste generated by the construction laborers and containers were emptied at least once daily. 5. Cement bags, waste paper and packing material (cardboard) were sold off to recyclers.

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Waste disposal- operation phase

Description	Quantity
Municipal solid waste @ 0.2 kg/capita/day	516.0 kg/day
Horticultural waste @ 0.004 kg/m ² /day	14.4 kg/day
Street sweeping @ 0.1 kg/capita/day	258.0 kg/day

Treatment of waste bio-degradable wastes

- " Bio-degradable waste will be subjected to organic waste convertor and the compost produced will be used as manure for landscaping.
- " Closed room with concrete surface will be constructed for solid waste storage.
- " Stp sludge is to be used for horticultural purposes as manure.
- " Horticultural waste is to be composted and will be used for gardening purposes.

Recyclable wastes

Recyclable wastes like paper, plastic, metals etc. will be sold off to recyclables.

Environment cost

S.N	Environmental measures	Capital Cost (Rs. Lac)	O& M Cost (Rs. lac per annum)
1	STP Cost	50	7
2	Pollution control measures(Muffler in DG set)	3	0.8
3	Environmental monitoring(for air, water, waste water, soil, DG stack, noise etc. by third party)	-	10
4	Gardening	23	5
5	Solid Waste Management	30	5
6	EHS Training	-	3
8	Others	15	3
Total Cost		121	33.8

After deliberations committee observed that the submissions made by the PP are satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. It is observed that public road bifurcates the plot such that the proposed play ground is falling across the road, PP shall provide suitable passage such as foot-over / under-pass to ensure safe connectivity between two parcels of project land.
2. Fresh water requirement for the project shall not exceed 108.36.
3. The waste water generated from the project shall be treated suitably and the treated water shall be reused for flushing and horticulture maintaining zero discharge.
4. STP sludge shall be dried using suitable technique such as filter-press and the dried STP-sludge shall be disposed off along with MSW.

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5. Boundary wall shall be constructed and a green belt shall be developed along the boundary wall.

7. Case No. – 1740/2013 Shri Dipak Jadhav, Manager I/c (Operations), Near Rairu Railway Station, Village Barua, Dist -Gwalior -474010- Environment Clearance for approval of expansion construction of new storage tank at BPCL Rairu POL at Village & Post – Barua, NH-03, Rairu, District-Gwalior- (M.P.) For – EIA Presentation. ToR issued letter no.- dt. 26/08/14 Env. Consultant- - PDIL, Dhanbad (Jharkhand)

The project pertains to expansion construction of new storage tank at BPCL Rairu POL at village & post Barua, Distt. Gwalior. The project is covered under the provisions of EIA Notification hence requires prior EC under the provisions of the EIA Notification. The EIA report submitted by the PP was forwarded to SEAC by SEIAA for appraisal and necessary recommendation. The report was presented by the PP and his consultant which reveals following:

- The depot is spread over an area of 27 acres of land provided by Govt. of Madhya Pradesh and is located in northern direction at a distance of about 20km from Gwalior town.
- The depot was commissioned in the year 1994. Rairu POL Depot facilitates storage of MS, HSD, SKO, Ethanol & ATF as well as products like Speed Grade MS and High Speed Diesel.
- The input to the depot is mainly from Refineries at Bina (BORL), Panipat (IOCL) and from BPCL’s Manglia Terminal through rail tankers and despatches through TT.
- The activities of the depot is limited to receipt, storage and dispatch of petroleum products.
- The proposed project is limited to installation of one tank for storage of MS with capacity of 3189 KL (2488 Ton).
- The total storage capacity of MS is well below the threshold limit as per MSIHC rule.
- The proposed tankage for MS and associated facilities shall be installed within the existing premises of Rairu POL depot.
- The storage capacity of MS shall increase from 1203 KL to 4392 KL (3426 Ton) and storage capacity of the depot shall increase from 21,497 KL to 24,686 KL.
- The estimated cost of the proposed project is Rs. 2.5 Crores (approx.).
- The input to the depot is mainly from Refineries at Bina (BORL), Panipat (IOCL) and from BPCL’s Manglia Terminal through rail tankers.

Dispatch facilities

All products are dispatched to various retail outlets in Gwalior district and other adjoining areas through Tank Trucks. The details of road tanker loading facilities available at POL depot are as under:

No. of Bays	Existing: 6 Nos Proposed: 2 Nos. Loading Points: 12
Capacity of road tankers	12 KL to 18 KL
Mode of connection between road tanker and installed lines	10 Nos. of Loading Arm & 5 No. of 3m loading rubber hoses.
Loading Arm dia and length	3" dia, 3 m long
Arrangement for Safety & Fire Fighting	Fire Fighting pipeline with fire monitors, fire

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in TLD Shed	hydrants and Fire Extinguishers..
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Fire protection & safety system

Following Design Codes shall be followed:

- Equipment Standard on fire protection Facilities for Petroleum Depots & Terminal ó OISD 117
- As per Explosive Approval requirements
- As per Factory Approval requirements
- In compliance with M.B.Lal Committee Recommendations

Public Hearing

Public Hearing has been completed on 24.09.2014 as per the provisions of EIA Notification, 2006. The proceedings of PH were presented and discussed at length in the meeting. The public hearing was in favour of the project.

After deliberations it was observed by the committee that the submissions and the presentation made by the PP are satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following standard conditions:

1. Company shall take up a project with some Agriculture Research organization to find out permanent solution for removal of agricultural residues from fields after harvesting of crops so as to discourage the burning practices in nearby agriculture fields.
2. Adequate buffer zone around the tankage facilities, as may be required as per OSID or other statutory requirements.
3. VOC and HC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF.
4. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.
5. The project authorities should comply with the provisions made in Manufacture. Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
6. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
7. Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
8. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
9. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road.

8. Case No. - 1676/2013 - Shri Suraj Chhabaria, Executive Director, RC Fertilizer Pvt. Limited, 181, A2, Maker Tower, Cuffe Parade, Mumbai-400005 - SSP/GSSP & Allied Blended Fertilizer Products, BRP & LABSA Plants at Khasra No.- 59-F, 61-A, 61-B, 61-C, 185 to 188, Village- ó Meghnagar, Tehsil ó Meghnagar, Distt .ó Jhabua (M.P.) Proposed Production Capacity ó

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SSP/GSSP : 198000 MT/Y, Benification of Low Grade Rock Phosphate : 92000 MT/Y, Allied Blended Fertilizer Products : 49500 MT/Y, LABSA: 19800, Area 6 7.24 Ha., ToR Issued letter no. 761 dt. 22/10/13 **Env. Consultant: Kadam Env. Con. Delhi EIA Presentation.**

The project pertains to manufacturing of SSP and allied products and requires EC from SEIAA under the provisions of EIA notification. The EIA report and related documents were forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Report was presented by the PP and his consultant before the committee which reveals following:

RCF is a company located at Meghnagar, Jhabua, M.P. RCF intends to establish manufacturing facilities for fertilizers. As per the schedule of EIA Notification dated September 14th, 2006 (amended till date), proposed project requires prior Environmental Clearance (EC).

Schedule of Proposed Project as per EIA Notification is as follows:

S N	Proposed Product		Production Capacity MT/Annum	Category as per EIA notification
1.	SSP/GSSP Allied Blended	Fertilizers Chemical Fertilizers	1,98,000 49,500	5(a), B
2.	LABSA	Synthetic Organic Chemicals Industry	19,800	5(f), b
	BRP	Mineral beneficiation	92,000 2(b)	5 (C), B

Location of the Project

The site consists of two plots, Plot No.: 59-F, 61-A, 61-B, 61-C and Plot No. 185 to 188, located in notified industrial area named Industrial Growth Center Meghnagar (MPAKVN), Jhabua District of Madhya-Pradesh. The project area is surrounded by the coordinates as mentioned

Production of SSP/GSSP:

- Grinding of rock phosphate;
- Acidulation of the rock phosphate with sulphuric acid to produce -Green SSP;
- Curing of Green SSP for 12-15 days;
- Packing of cured SSP in HDPE Bags;
- Granulation of cured SSP;
- GSSP finished product;
- Packing of GSSP in HDPE bags.

Production of Beneficiation of Rock Phosphate (BRP):

- Crushing and screening;
- Wet grinding and classification;
- Froth flotation;
- Solid-Liquid Separation;
- Tailing disposal and water reclamation;
- Reagent preparation and distribution.

Production of Allied Blended Fertilizer product:

- SSP, DAP and MoP are crushed to desired size and screened before being feed to fed hopper;

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- Feed mixture to granulator;
- Water shower fitted in the granulation section;
- Hot air from furnace runs co currently in dryer section with the material;
- The cooler section of the drum sucks the cool air from outside which in turn cools as well as contracts the dried material;
- Screening of semi finish product and transfer to the δFinished goods to Product Hopperö and recycle of under size & over size granules to process;
- Finished material is packed in the HDPE bags in pre-decided weights (50 Kg), for dispatch to market.

Production of Linear Alkyl Benzene Sulfonic Acid (LABSA) :

- Sulfonation of Linear Alkyl Benzene (LAB) and Sulfuric acid (H₂SO₄) is used as a sulfonating agents;
- It is a rapid and highly exothermic reaction and water is formed during reaction;
- It is a batch process;
- Waste acid is separated from the reaction mixture and used it in SSP production;
- For making LABSA, the batch equipment used is a stirred, sealed, glass lined or stainless steel kettle with a provision for heating and cooling.

The total estimated cost of the proposed project is Rs. 60 crores includes environmental management cost Rs 2.72 Crore and recurring expenditure ~ INR 50 lacs per annum and CSR cost is 1% of the total project cost.

Raw Materials:

SN	Chemicals/Items	State	Quantity (MT/Y)	Means of Storage	No. of Vessels	Storage Capacity (MT)
1.	Rock Phosphate	Solid	1,12,860	Covered Shed	1	6,000
2.	Low Grad Rock Phosphate	Solid	92,000	Covered Shed	1	6,000
3.	98.4 % Sulphuric Acid	Liquid	1,10,320	MS Tank	3	3,000
4.	Fillers	Solid	19,800	Cover Shed	1	500
5.	Urea	Solid	6,030	Cover Shed	1	300
6.	DAP	Solid	19,450	Cover Shed	1	300
7.	MOP	Solid	8,250	Cover Shed	1	300
8.	Linear Alkyl Benzene	liquid	15,250	MS Tank	1	240

Water

Permission of 500 KLD water has been obtained from Madhya Pradesh Audhyogik Kendra Vikas Nigam Ltd. (MPAVKN) to meet project water requirement of 410 KLD.

Utilities

Power

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Madhya Pradesh Audhyogik Kendra Vikas Nigam Ltd. (MPAVKN) has agreed to supply project power requirement of 3.3 MVA. One DG set of 125 KVA will be used for standby power backup source and for any power outages.

Fuel

Suitable fuel like HSD/ Low Sulphur High Stock as per availability will be used as fuel for running of DG set and consumption is estimated to be around 0.40 KL/Hr.

Workforce Management

During construction phase around 250 laborers will be hired from surrounding villages. During the operations, around 100 persons will get employment opportunity. This will include Factory manager, Production manager, Maintenance manager, Chemist, Electricians, Fitters, Supervisors, Security, Store keeper, Clerical Staff, some Unskilled laborer and Contract laborers.

Waste Water Generation

Wastewater generating streams will be from Ventury Scrubber attached to acidulation chamber, Beneficiation process of rock phosphate, equipment cleaning, floor washing and domestic wastewater.

Waste Water Management

The wastewater from Ventury Scrubber will be received in settling tank. This, along with waste water generated from equipment cleaning and floor washing, will be recycled in the process for the dilution of Sulphuric Acid. Wastewater from BRP plant will be reused in beneficiation process. Domestic waste water will be treated in STP. Treated water from STP outlet will be utilized for gardening purpose. Thus, achieving Zero Liquid Discharge.

Air Emissions

Expected pollutants in Air are HF from acidulation chamber and curing section, PM from hot air furnace, crushing and grinding units and at times of power outage, SO₂ and NO_x from running of diesel generator (DG) set for that short period only.

Hazardous and Other Solid Wastes

The hazardous waste generated from the process activities will be mainly discarded bags/containers, used oil and tailings of BRP plant. Used oil will be reused in lubrication of open gears. Discarded bags, containers and other solid waste like scrap paper will be sent to authorized vendor. Organic waste will be used as manure in greenbelt development.

Greenbelt Development

Total plot area is 72,400 m². The total area under green cover will be approximately 13,200 m² or 33% of the plant area as per the CPCB guideline. Three layered green belt around the site with dense plantation with at least 2x2 meters per plant is proposed.

Environmental Impacts and Mitigation Measures

Air Emissions

Various identified sources, in production of SSP that can cause potential impacts on air quality are emissions of PM & Fluoride:

- Due to grinding of Rock Phosphate, screens, conveyer belts, bucket elevators;
- During acidulation in reaction den;
- Due to curing and granulation process;
- From DG Sets;
- From vehicular movement.

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Whilst no area sources have been identified as part of the project, point sources have been identified and these include stacks attached to scrubbing tower, crushing & grinding unit, curing and granulation unit and DG Sets.

Mitigation measures for air quality impacts will include:

- Air pollution control equipments like four stage high efficient ventury scrubber will be provided to reduce HF concentration from final discharge;
- Proper periodic maintenance of all air pollution control equipments like scrubbers, dust filters etc. will be carried out to ensure its efficient operation;
- Effective water spraying will be carried out on the access roads to control re-entrained dust during dry season (if required);
- Proper PPE like dust masks will be provided to workers working in grinding unit;
- Plantation within project premises and around the boundary will be done;
- The engines and exhaust systems of all vehicles and equipment used will be maintained as such, that exhaust emissions are low and do not breach statutory limits set for the concerned vehicle/equipment type;
- Ensuring the availability of valid Pollution under Control Certificates (PUCC) for all vehicles used on site.

Water

- The proposed project will utilize 410 KLD water during operation phase (full load). Water will be sourced from by MPAVKN through Anaas River.

Ground Water

- Mitigation measures to reduce ground water related impacts are:
- Recharge pits for rainwater harvesting will be made to improve groundwater condition;
- Apart from recharge pits, an alternate support system e.g. stream plugging may be carried out to store and increase retention span of runoff water and percolation well to accelerate rain water recharge;
- It is necessary to identify behavior of micro lineaments, joints and fractures before finalizing locations for recharge pits of rain water. It may be done by geotechnical investigation or by remote sensing studies followed by ground truthing.

Surface Water

Mitigation measures to reduce surface water related impacts are:

- Proper sanitation facility will be provided for employees and workers;
- Periodic cleaning and maintenance of sewage treatment plant will be done to ensure no leakages occur
- Proper storm water drainage will be developed.
- Better housekeeping of SW drains, efficient reuse of waste water flowing into water drains.

Expenditure on Environmental Matters:

- The one-time expenditure for environmental management and mitigation is estimated to be Rs 2.72 Crore and recurring expenditure is Rs. 50 Lacs/year.:

After deliberations PP was asked to submit response to the following queries:

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- The analyses report especially the fluoride level to be checked and reported.
- Tailing Management Plan including the quantum generation per unit production, qualitative analysis and storage / disposal plan.
- Clear conceptual plan on a layout map to be submitted indicating all land uses including green area development plan.
- Note on beneficiation with mass balance for water and material (Ore).
- Incremental GLC to be checked and reported.

9. Case No. - 970/2012 – M/s Lupin Limited, Plot No. – 198 – 202, New Industrial Area No. – 2, Mandideep, Distt. – Raisen (M.P.) – 462046 Capacity Enhancement for some of the existing products and inclusion of new products. – ToR Issued letter no. 278 dt. 11/03/13 Env. Consultant – Anacon labs, Nagpur (M.S.) EIA Presentation.

Request from PP was received for post-ponment of the case for the next meeting. Committee decided to call the PP in coming meetings as per turn.

10. Case No. - 1133/2013 Shri Manmeet Singh, M/s Unity Pulp and Papers, Plot No. – 13-14, Industrial Estate- Kheda, Itarsi, Distt. – Hoshangabad (M.P.) 461111- Project – 5 (f) Cat. Unity Pulp and Papers, Polybutadine: 6.0 MT/Month, Area – 8102.81 sq.m. Location - D-21, Industrial Area – Phase II, Mandideep, Tehsil – Goharganj, Distt. – Raisen (M.P. ToR Issued letter no. 440 dt. 09/05/13 . EIA Presentation. Consultant- M/s Vasudev Associates B - 401, Angel Complex, Near Hotel Oasis, Sardar Patel Stadium, Ahemdabad Gujrat

The project pertains to production of synthetic organic chemicals and requires EC under the provisions of ERIA notification. EIA report was forwarded by the SEIAA for appraisal and recommendation from SEAC. Report was presented by the PP and his consultant for appraisal and necessary recommendations. Presentation made by the PP reveals following:

M/s. Unity Pulp & Papers propose to set-up new unit to manufacture Polybutadiene with the total production capacity of 6.0 MT/Month in the Notified Industrial Area of Mandideep at Plot No. D-21, Phase II, District Raisen, Madhya Pradesh.

- As per the Environment Impact Assessment (EIA) Notification dated 14th September 2006 and subsequent amendment of Ministry of Environment and Forests (MoEF), New Delhi, the proposed project falls under Category 5(f)-B
- PP has submitted EIA report prepared by Vasudev Associates based on ToR issued by SEAC vide letter No. 440/PS- MS/MPPCB/SEAC/TOR-Paper-pulp (120)/2013 dated 09/05/2013 as a part of obtaining Environmental Clearance from SEIAA.

Intorduction:

The proposed product Polybutadiene (hydroxyl terminated) is extensively used in the space & defense applications. It is used in solid rocket motors to bind the fuel and oxidizing agent into a solid mass. It is also used as a hybrid rocket fuel.

- In addition, other forms of polybutadiene have many different uses as listed below;
- In automobile tires to improve fatigue to failure life due to the continuous flexing during run
- In sealants & adhesives, it is insoluble in water making it a good sealant

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- In plastics to improve the mechanical properties
- In the inner tube of hoses for sandblasting, along with natural rubber to increase resilience
- In the cover of hoses, mainly pneumatic and water hoses
- In railway pads, bridge blocks, etc.

Location of site:

Geographical Details

Coordinates	Node 6 1	Node 6 2	Node 6 3	Node 6 4
Latitude	23° 05' 20.72" N	23° 05' 19.92" N	23° 05' 17.40" N	23° 05' 17.35" N
Longitude	77° 32' 47.05"	77° 32' 43.48" E	77° 32' 43.09" E	77° 32' 45.19" E

Area break-up

SN	Particular	Area (Sq m)	% of Total Land
1	Steel Shed	1200	14.78
2	RCC Building & Enclosures	200	2.46
	Non Technical Building	300	3.70
	<i>Plantation</i>	<i>2680</i>	<i>33.0</i>
	Open land	3740.81	46.06
	Total	8120.81	100.0

Capital cost

SN	Description	Capital Cost (Rs. in Lac)
1.	Land & Site Development	30.0
2.	Building	35.0
3.	Plant and Machinery	130.0
4.	Environmental Protection Measures	5.0
	Total	200.0

Cost of EMP

Sr. No.	Description	Capital Cost (Rs. In Lacs)	Annual Recurring Cost (Rs. In Lacs)
1.	Air Pollution Control	2.5	0.6
2.	Water Pollution Control	1.2	0.3
3.	Hazardous Waste Management & noise pollution control	0.5	0.2
4.	Rain water harvesting	2.2	--
5.	Environment Monitoring, Statutory Compliance & Chartered Services	0.1	0.5
6.	Green belt development	1.5	0.4
	Total	8.0	2.0

Manufacturing process

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Polybutadiene will be manufactured by polymerization process of monomer Butadiene. Since the reaction be very exothermic and can be explosive, the reaction will be carried out in solvents viz. Propylene Carbonate. The solvents are used to reduce the rate of reaction, control the heat generated by the polymerization and to lower the viscosity of the polymer solution in the reactor.

Salient features of the project:

- Production capacity : 6.0 MT/Month
- Total plot area is 8102.81 Sq. mtr.
- Land for Green belt 2,680 Sq. mt. (33 %)
- Cost of project 3.0 Crore
- Budgeted Cost for EMP 8.0 lakhs
- Recurring Cost: 2.0 Lacs per Annum
- Fund allocation for CSR Rs. 3.3 Lacs per Annum
- Power requirement and source - 80 KW; MPSEB (Madhya Pradesh State Electricity Board)
- Water requirement and sources- 3.2 KLD; MPAKVN (Madhya Pradesh Audyogik Kendra Vikas Nigam)
- Waste water Generation - 1.5 KLD Treatment in ETP comprising of primary and Tertiary
- Waste water Management & Disposal- Disposal by reusing for plantation/ gardening within premises.

Air Pollution Sources and Control Measures

SN	Activities & Expected Impacts	Impact Zones	Management Plan
1.	Gaseous emissions due to proposed manufacturing activities and operations of utilities	Within the premises and some extent to nearby areas	Ensure the efficient operation of air pollution control units Ensure proper usage of PPE's by workers and explore methods for reducing the fugitive emission Regular monitoring of ambient air, stacks and work area as per the monitoring program Review the monitoring reports and take corrective measures as required Ensure the submission of monitoring reports to the concerned authority as per their norms.
2.	Temporary dusting due to transportation activities (transportation of raw materials and finished products)	Within the premises and Transportation route	Ensure the transportation only by covered vehicles Ensure regular maintenance and optimum use of the vehicles. Vehicles must be PUC certified

Water environment

Sr. No.	Activities & Expected Impacts	Impact Zones	Management Plan

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1.	Untreated effluent disposal	Within the premises and some extent in vicinity	Ensure the utilization of treated effluent for gardening within the premises only after conforming to the discharge norms. Untreated and treated effluent will be analyzed regularly as per the monitoring plan and results will be reviewed and compared with the prescribed standards so that any necessary corrective actions can be taken. Ensure the submission of monitoring reports to the concerned authority as per their norms.
2.	Storage & handling of hazardous chemical and hazardous waste	Within the premises and some extent in vicinity	Ensure the storage and handling of all the chemicals in a proper manner to avoid any spillages. Ensure collection & treatment of spillages, if any
3.	Ground water recharge	Within the premises and some extent in vicinity	Ensure the ground water recharge by rain water harvesting without any contamination during monsoon.
4.	Transportation of all the hazardous materials, finished products & hazardous wastes	Within the premises and Transportation route	Ensure availability of manifest / TREM card with driver during the transportation of Hazardous Waste / hazardous chemicals. Educate driver about the characteristics of wastes/chemicals and immediate actions in case of any spillage or accident Ensure the transportation only by covered vehicles. Ensure availability of MSDS of all the Hazardous materials to the Off-site Emergency team

Major Source of Hazardous Waste & Method of Disposal

- ETP Sludge (34.3) : Collection, Storage & Disposal by Land filling at TSDF
- Distillation residue (20.3): Collection Storage. Transportation & Disposal by Incineration at CHWIF
- Discarded Drum/ Containers (33.3): Decontamination and Reuse or Sell to scrap vendors
- Used / spent oil (5.1) : Reused as Lubricant or Sell to MoEF approved Recyclers.

Greenbelt development plan

The general considerations involved while developing the green belt are:

- Local/native fast growing trees shall be planted.
- Planting of trees shall be undertaken in appropriate encircling rows.
- The trees shall be protected by plantation of non palatable shrub species to avoid browsing by animals.
- The unit will develop greenbelt in about 2680 m2 area (33% of total area) with suitable plant species within the premises. Also about 500 trees and shrubs of various types of neem, Sisham, Gulmohar etc. will be planted in next three years in nearby area.

Corporate social responsibilities

The unit will employ semi-skilled and skilled labor from the nearby villages for the proposed project as far as possible. They will also try to generate maximum indirect employment in the nearby villages by appointing local contractor during construction phase as well as during operation phase.

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Apart from the above, they are also giving their adequate and reasonable contribution for the following action in the nearby villages,

- Plantation all along the road side in nearby villages and development of garden/greenbelt on government barren land/common plots.
- Education aids & scholarship to poor students for higher education.
- Organizing medical camp for the nearby villagers.
- Participating & contributing in local religious and social programs.

Fund allocated for CSR:

SN	CSR Activity	Fund allocated (Annually in Rs. In Lacs)
1	Education/Training	1.5
2	Infrastructure	1.0
3	Medical facilities	0.5
4	Religious purpose	0.2
5	Campaign against plastic	0.1
Total		3.3

The submissions and the presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of EC subject to the following special conditions:

1. Plantation all along the road side in nearby villages and development of garden/greenbelt on government barren land/common plots shall be taken up along with other activities.
2. Thick green belt shall be developed along the boundary of the premises with at least 03 years old saplings of local species.
3. The project authorities should comply with the provisions made in Manufacture. Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
4. Membership of CTSDf, Pithampur shall be obtained for disposal of all types of hazardous wastes.

11. Case No. 1727/2013 - M/s RSPL Limited through Mr. Vinod K. Shukla, GMLiaisons, 109/336, R.K. Nagar, G.T. Road, Kanpur (U.P.) 485771- M/s RSPL Limited at Plot No. – 42 - 47 and 49 - 54, Village - Sidhgawn, Tehsil – Sagar, Distt- Sagar (M.P.)Product & Production Capacity – (1) Detergent Cake- 19200 MTPA, (2) Detergent Powder - 39600 MTPA, (3) LABSA – 24000 MTPA, (4) D.G. Sets- 1010 KVA x 2 +1500KVA x 1, (5) Optical Brightner – 3000 MTPA, Project Category 5 (f) B, Total Plot Area –44000.00 Sq.m., Note: 1 to 4 are the products for which consent to has already been obtain from MPPCB, However this application is for the addition of the new product ie Optical Brightener. ToR Issued letter no. 39 dt. 26/07/14 Env. Consultant: Kadam Env. Con. Delhi EIA Presentation.

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The Project

RSPL is planning to set up an Optical Brightener manufacturing plant for manufacturing 3000 TPA at one of its existing units used for manufacturing detergent cake, detergent powder and LABSA, at Plot no. 42 to 47 & 49 to 54, Sector K, IIDC growth center, Village Sidhgawan, District Sagar, Madhya Pradesh (The Project). Optical Brightener is the proposed product.

About Optical Brighteners

Optical brighteners, formally known as Optical Brightening Agents (OBAs) are chemicals used for providing additional whiteness. There are different OBAs for different substrates such as for textiles (cotton, polyester, polyamide and wool), paper (pulp, paper and tissues), plastic (for container packaging) and for clothing (apparel and laundry). The proposed project will manufacture OBAs used in cotton textiles only.

Project Rationale

Currently RSPL is purchasing OBAs from other manufacturers, however RSPL is planning to set up an OBA plant at the aforementioned existing unit. The production will be utilized for internal consumption by RSPL's existing detergents plants to achieve better cost savings and establish stronger control over final quality of the product.

Importance of the Project to the Country and Region

The proposed expansion will be having investment of approx. INR 27 Crores. The optical brightening agent product will be produced within the plant premises which was earlier purchased from other industry. Due to this project around 70 new direct and 50 indirect employment will be generated. Due to employment, local persons will have improvement in skills in chemical organic synthesis industry.

Regulatory Framework

As per the EIA Notification dated September 14th, 2006, the proposed project falls in Project / Activity 5(f) of the Schedule attached to the EIA Notification 2006 as amended till date. Therefore the project requires Environmental Clearance.

The project is located within a notified industrial area / estate and hence, in the normal course would be covered in Category B, of the EIA Notification. However, owing to the absence of the State Environmental Impact Assessment Authority (SEIAA) in Madhya Pradesh, the project has been forwarded to the MoEF for consideration after receipt of the Terms of Reference from the website of the MPSEIAA.

Cost of the Project

~INR 27 Crores will be invested in the project.

Area Break-up

The entire site consisting of Plot nos. 42 to 47 & 49 to 54 covers an area of 43,257 m². The site planning consists of the following break-up:

- 16,108 m² for various built-up facilities, out of which the proposed OBA plant will require 2,667 m² area; 13,500 m² for plantation and greenbelt and 19,572 m² as roads & open area

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Water and Wastewater Management

Source of Water

RSPL will utilize raw / fresh water from existing bore well at site (the only current source of water). The area falls under safe zone as per the CGWA Notification. Surface water from a nearby source has been authorized by the Madhya Pradesh Audyogik Kendra Vikas Nigam(MPAKVN). The supply has been assured by Govt. of MP through a formal letter. Once available, bore well water will stop being used.

Existing - Water consumption & Wastewater generation

The total water consumption for the existing unit is 76 KLD, out of which 62 KLD will be fresh water and 14 KLD will be recycled for gardening from ETP.
The total wastewater generation for existing unit is 14.5 KLD.

After Proposed Expansion – Water Consumption & Wastewater generation

After proposed expansion total water consumption will be 268 KLD, out of this 143KLD will be fresh water and 125 KLD will be recycled water from ETP & MEE both. The water for Process (104.5 KLD) and for Boiler (17.0 KLD) will be supplied from DM Plant. Additional DM Plant / Boiler / Cooling Tower will be installed.

After proposed expansion, total wastewater generation will be 129.56 KLD. Out of 129.56 KLD, 99.06 KLD wastewater is going to MEE and remaining 30.5 KLD will be taken to ETP.

Power Requirement

The main grid of 3000 KVA will be supplied by the Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd. (MPPKVVCL). No additional grid power is required since the available contract demand adequately covers the proposed project's power requirements.

Air Emissions

Existing

There are existing three stacks, out of which one is common stack attached to Thermic Fluid Heater and Boiler (non-IBR). The Other two stacks are attached to 1010 KVA and 750 KVA DG Set each.

Proposed

There will be two proposed stacks of adequate height at OBA plant. Out of them, one attached to Spin Flash Dryer (S.F.D. of OBA plant) and one attached to DG set of 1250 KVA capacity.

Hazardous Waste Management

There will be generation of discarded bags / containers, ETP sludge and used oil as hazardous waste. Solid waste will be generated in the form of domestic waste, packaging waste and salt residue from MEE. ETP sludge will be sent to TSDF site at RamkyPithampur. Municipal Solid Waste (MSW) will be recycled and reused to the extent possible and the remainder disposed off to the nearest community bin. Salt residue from MEE will be reused in manufacturing process within the plant premises or will send to TSDF site at RamkyPithampur.

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Workforce Management

- Existing workforce is ~150 personnel (including contracted employees).
- During the construction and execution phase of the Project, it is estimated that ~200 workers will be involved.
- During its operational phase, ~70 direct and ~50 indirect jobs will be created by the setting up of the project.

Description of the Environment

It can be observed from the table that the main land use / land cover class in the area is *agricultural land*, with ~67.54% component of the total land use. *Vegetation Cover* comes next with ~22.56% followed by *Wasteland, Habitation, Forests and Water Bodies*.

Noise

Noise levels were recorded at 6 six different locations at and in the vicinity of the proposed site. The details of ambient noise monitoring along with the results are presented in the following **Error! Reference source not found.**

- Noise level during day time was observed in range of 54.95 dBA (Sidhguwan Village) to 68.95 dBA (Between Packaging Plant). Noise level during day time was observed within the CPCB standards for industrial area (75 dBA)
- Night time noise level was in the range of 41.67 dBA (Sidhguwan Village) to 53.78 dBA (Between Packaging Plant). Noise level during night time was observed within the CPCB standards for industrial area (70 dBA).

Anticipated Environmental Impact Identification, Prediction and Mitigation Measures

Ambient Air

Impact Identification

During the construction phase of the project, the major activities will involve earth work excavation, transport of construction materials, building of structures etc. These activities would cause on temporary basis a general increase in levels of dust and suspended particulate matter in the ambient air.

Incremental emission of pollutant concentration from the stack attached to boiler (thermic fluid heater) & DG set (1 × 1250 KVA) has been predicted for their impact on ground level concentration (GLC).

Mitigation Measures

Mitigation measures for air quality impacts during construction phase:

- Periodic checks of construction machinery to ensure compliance of emission standards.
- Water sprinkling on haul roads.

General Mitigation Measures for Air Quality Control during Operation Phase

- Greenbelt will be developed at the facility.
- Attenuation of pollution/protection of receptor through greenbelt/green cover.
- Regular monitoring of air polluting concentrations.
- All tankers shall be PUC Certified from time to time.
- DG Sets will be operated during power failure only.

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Mitigation Measures

- Provision of acoustic enclosure to be provided to noise generating pumps, DG sets, etc.
- Silencers should be used anywhere and everywhere where there is blow-off of high-pressure steam.
- PPE to be provided to all the workers working near the pumps.

Soil

Impact Identification

- Activities like excavation, movement of vehicles and storage of chemicals are mainly responsible.
- Adverse impact on soil due to Leakage during chemicals transportation and storage

Mitigation Measures

- Care will be taken to avoid direct contact and spillage of these materials with ground during vehicle movement for transportation of materials and equipment.
- It is recommended to cover ground with protecting sheets to avoid damage to soil and groundwater.
- Excavated top soil will be conserve and reuse
- Regular maintenance, impermeable flooring for storage, handling and disposal of solid/hazardous waste

Land

Impact Identification

The excavation work and filling of foundation activity will alter flat surface land of the site which will have minor impact on land use.

Mitigation Measures

No mitigation measures were suggested as the present land is in industrial area and allotted by IIDC, M.P.. There is no vegetation present on the site as well.

Socio-Economic Environment

Impact Identification

The plant does not have any potential negative impact on the habitations. The Social Management Plan (SMP) therefore concentrates on mitigation of perceived impacts during the running of plant.

Mitigation Measures

Emphasizes will be given on the followings;

- Health,
- Hygiene,
- Drinking water and
- Girlø education issues.

Overall, the project would improve quality of life of the villages in the vicinity and also the surroundings. According to 'The Companies Act 2013', the project proponent will invest at least 2% of their net profit for the cause of social development of the area

Occupational Health and Risk

On the basis of the study of the chemical properties like flash point, phase of chemical, operating conditions and total inventory, etc. Aniline has been selected to carry out consequence

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analysis. Major failures selected for the analysis are 20 mm leak & 50 mm leak as maximum credible scenario and catastrophic rupture as worst case.

Impact Identification

The simulation of release source model of Aniline by DNV's Software PHAST of 6.6 version. The results indicated that from aniline tank, the radiation level of 4 kw/m² at weather condition 4.0/D will reach upto a radius of 51 m, 52 m & upto radius of 47 m for considering 20 mm leak, 50 mm leak and catastrophic rupture scenarios respectively.

Mitigation Measures

After examining the high priority risks, a prime consideration is given to the potential to reduce or eliminate the risk by using the hierarchy of controls. This assists in establishing methods to reduce risk. The desirability of control plans (with reducing effectiveness) is as follows;

Elimination, substitution, separation, administrative, training and personal protective equipment.

Along with these some of the control measures like gas detectors, dyke wall provision, level indicator, earthing, flame arrestor, visual observation and ready availability of fire extinguishers and fire hydrant system will also in place to reduce the risks.

Public Hearing / Consultation

The public hearing was conducted on 31st October, 2014 at 11:30 am at Village Kerbana, Tehsil Sagar, Dist. Sagar, M.P. for proposed new product ó Optical Brightning agent of 3000 MTA. The advertisement for the same was published in öHINDUSTAN TIMESö in English and in newspaper öDAINIK AACHARANö in Hindi on 28/09/2014 the public hearing was headed by Shri V. S. Rai, Regional officer of MPPCB, Sagar and Shri Sandeep Makin, ADM, Sagar (MP).

The main issues raised during Public hearing are Plantation on the Govt. land, construction of Pakka road within village, employment to the local villagers, drinking water and toilet facilities to the nearby villages, necessary pollution control by the company.

Environmental Management Plan (EMP)

The Environment Management Plan (EMP) is prepared with a view to facilitate effective environmental management of the project, in general and implementation of the mitigation measures in particular. The EMP provides a delivery mechanism to address potential adverse impacts and to introduce standards of good practice to be adopted for all project works. For each stage of the programme, the EMP lists all the requirements to ensure effective mitigation of every potential biophysical and socio-economic impact identified in the EIA. For each impact or operation, which could otherwise give rise to impact, the following information is presented:

- Role of RSPL and its contractors;
- A comprehensive listing of the mitigation measures (actions) that RSPL shall implement;
- The parameters that shall be monitored to ensure effective implementation of the action;
- The timing for implementation of the action to ensure that the objectives of mitigation are fully met.

Specifically project related management plans has been prepared for air, water, noise, soil, ecology and biodiversity, occupational health and socio-economic conditions.

Air Environment

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Sr. No.	Expected Impact	Impact Zones	Management Plan
1.	Preparation of site	At the site only	<ul style="list-style-type: none"> • Sprinkling of water which leads to dust suppression
2.	Vehicle movement for transportation of materials and equipment	Along the vehicle movement track	<ul style="list-style-type: none"> • Ensure that vehicles have a Pollution Under Control (PUC) Certificate
3.	Excavation work	At Site	<ul style="list-style-type: none"> • Sprinkling of water which leads to dust suppression
4.	Filling of foundation	At site	<ul style="list-style-type: none"> • Sprinkling of water which leads to dust suppression
5.	Heavy fabrication work including metal cutting (Gas cutting, welding)	At site	<ul style="list-style-type: none"> • Sprinkling of water which leads to dust suppression
6.	Painting	At site	<ul style="list-style-type: none"> • Adequate safety measures along with spill control mechanism
7.	Final cleaning of site	At site	<ul style="list-style-type: none"> • Sprinkling of water which lead to dust suppression
8.	Transportation of Raw Materials and Products	Along the vehicle movement track	<ul style="list-style-type: none"> • Ensure that vehicles have a Pollution Under Control (PUC) Certificate • Adequate safety measures along with spill control mechanism
9.	Operation of Boiler, Thermic Fluid heater and DG Set	At site	<ul style="list-style-type: none"> • Adequate safety measures, adequate stack height

Water Environment

Sr. No.	Expected Impact	Impact Zones	Management Plan
Surface Water			
1.	Use of Water	At site	<ul style="list-style-type: none"> • Adequate measures to be taken to reduce fresh water consumption. • Online flow meters shall be installed

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Sr. No.	Expected Impact	Impact Zones	Management Plan
			at each of raw water supply pipeline
2.	Disposal of Wastewater	At Site	<ul style="list-style-type: none"> ETP Sludge shall be disposed into approved TSDF site and MEE salt shall be reused in process or sent to RamkayPithampur -TSDT site.
3.	Transportation of Raw Materials & Products	At site (during loading & unloading), along the vehicular movement way	<ul style="list-style-type: none"> Proper spill control mechanism, proper handling during loading & unloading,
4.	Storage and handling of hazardous chemicals	At site	<ul style="list-style-type: none"> Adequate safety system, spill control mechanism
Ground Water			
5.	Use of groundwater water for process	At site	<ul style="list-style-type: none"> Groundwater extraction will be stopped after getting water from MPAKVN from which assurance letter has been received.
6.	Storage and Handling of hazardous chemicals	At site	<ul style="list-style-type: none"> Adequate safety system, spill control mechanism
Land Environment			
Sr. No.	Expected Impact	Impact Zones	Management Plan
1.	Land Acquisition	At Site	<ul style="list-style-type: none"> Ensure that all necessary protocols are followed and legal requirements implemented
2.	Clearance of scrub at site / approach roads	At site	<ul style="list-style-type: none"> The management of Ecology and Bio-diversity at site should be strictly as per the EB Management Plan.

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Sr. No.	Expected Impact	Impact Zones	Management Plan
3.	Site Operations, Leading to Spills of Hazardous Materials	At site	<ul style="list-style-type: none"> The management should be strictly according to soil management plan

Noise Environment

Sr. No.	Expected Impact	Impact Zones	Management Plan
1.	Preparation of site	At site	<ul style="list-style-type: none"> Periodic Maintenance and service of mechanized equipment used for site clearing.
2.	Vehicle movement for transportation of materials and equipment	At site	<ul style="list-style-type: none"> Periodic Maintenance and servicing of vehicles used for site clearing.
3.	Excavation work	At site boundary	<ul style="list-style-type: none"> Maintenance and servicing of mechanized equipment and vehicles Project activities to be undertaken during regular working hours Erection of temporary barriers
4.	Filling of foundation	At site	<ul style="list-style-type: none"> Maintenance and servicing of Foundation filling equipment
5.	Heavy fabrication work including metal cutting (Gas cutting, welding)	At site	<ul style="list-style-type: none"> Use of sharp equipment, periodic servicing of mechanized equipment.
6.	Transportation of Raw Materials and Products	At site and along the vehicular movement track	<ul style="list-style-type: none"> Periodic Maintenance and servicing of vehicles
7.	Operation of Boiler, Thermic Fluid heater and DG Set	At Site	<ul style="list-style-type: none"> Use of sharp equipment, periodic checking & servicing of all the equipment, spill control mechanism

Expenditure on Environmental Matters

Capital & Recurring Cost for Environmental Pollution Control Measures on Yearly basis

S.No.	Head	Approximate	Approximate	Basis for Cost Estimates
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		recurring cost per annum (In lacs)	Capital cost (In Lacs)	
1.	Air Pollution Control	0.5	125	Capital Cost: Cost of Dust Collection System with Bag filter. Cost of Venting System. Installation of HCl mist scrubber Recurring Cost: Cost of Monitoring, maintenance of pollution control equipments
2.	Water Pollution Control	39.5	395 (80 Lacs for ETP & 315 Lacs for MEE)	Capital Cost: Cost of Civil, Electrical, Mechanical, Piping and Erection Commissioning cost of 40 KLD ETP & 110 KLD MEE. Recurring cost: Cost includes electrical, manpower and chemical costs.
3.	Noise Pollution Monitoring	0.2	0.0	Recurring Cost: Monitoring Cost
4.	Solid and Hazardous Waste Management	0.5	5.0	Capital Cost: Membership fee of nearest TSDF Site for disposal of hazardous waste. Cost of providing storage area of hazardous waste. Recurring Cost: Cost of Transportation and landfilling hazardous waste to TSDF.
5.	Environment Monitoring And Management	5	0.0	Recurring Cost: Hiring of consultants and payment of various statutory fees to regulatory agencies. Monitoring of ambient air and sampling & analysis of Raw water, Ground water and Surface water samples in every season except monsoon in nearby area.

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S.No.	Head	Approximate recurring cost per annum (In lacs)	Approximate Capital cost (In Lacs)	Basis for Cost Estimates
6.	Greenbelt	0.35	2.33	Capital Cost: Cost for green belt development Recurring Cost: Cost for maintenance of green belt (manure, pesticide, herbicide and other maintenance costs)
Total		46.05	527.33	

The submission and presentation made by the Pp were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. All chemicals will have to be carefully transported, handled and processed as per the provisions of MHISC Rules.
2. The chemical formulas - structure and generic names of the optical brightening agent & all other chemicals - have to be indicated in risk management plan.

12. Case No. – 1974/2014 Shri C. Surendran, Project Manager, M/s Madhav Phool Sagar, Rasalganj Colony, Niwas, Dist-Mandla (MP)-481885 Stone & Murrum Quarry Lease Area – 3.97 ha. at Village-Sukheri Sangrampur, Tehsil-Niwas, District-Mandla (MP)

This is a case of mining of stone bolder and Murrum. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Sukheri Sangrampur, Tehsil-Niwas, District-Mandla (MP) in 3.97 ha. The project requires prior EC before commencement of any activity at site. Proposed production capacity is stone-180000 m³ / Year and Murrum- 12000 m³/Year.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 835 dated 16/09/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

After deliberations PP was asked to submit response with supporting documents for the following queries:

- EMP budget to be revised including the budget for plantation.
- 3D Mine closure map to be submitted.

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[A.A. Mishra, Secretary]

- Material is proposed to be transported through village roads; the same shall be converted in to WBM- detailed proposal with budgetary provision for the same to be submitted.

13. Case No. – 1975/2014 Shri Rameshwar Yadav S/o Shri Bheru Singh Yadav, Tolakheri, Teh-Agar, Dist-Agar (MP)-465441 Amla Stone Quarry Lease Area – 1.00 ha. at Village-Amla, Tehsil-Agar, District-Agar (MP).

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Amla, Tehsil-Agar, District-Agar (MP). in 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 446 dated 04/09/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
7. Curtaining of site shall be done using appropriate media.
8. Production of stone boulder shall be as per the mining plan not exceeding 10000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
9. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

12. 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.

14. Case No. – 1976/2014 Shri Brij Mohan Singh Thakur, Gram-Singori, Post & Tehsil-Paatan, District-Jabalpur (MP) Basalt Stone Quarry Lease Area – 1.750 ha. at Village-Kumgawan, Tehsil-Patan, District-Jabalpur (MP)

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 as per turn.

15. Case No. – 1978/2014 Shri Radheshyam Patidar S/o Shankar Lal Patidar, Village-Borley, Tehsil-Barwani, District-Barwani (MP)-451551 Stone (Gitti) Quarry Lease Area – 1.00 ha. at Village-Borley, Tehsil-Barwani, District-Barwani (MP)Prod. Cap- 10000 m³/Year.

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Borley, Tehsil-Barwani, District-Barwani (MP) in 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 680 dated 30/08/2014, that 01 mine is operating / proposed within 500 meter radius around the said mine the total lease area being 3 Ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

6. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
7. Curtaining of site shall be done using appropriate media.
8. Production of stone boulder shall be as per the mining plan not exceeding 10000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
9. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

16. Case No. – 1980/2014 Shri Digvijay Singh Tomar S/o Shri Rudra Narayan Singh Tomar, Village-Gujarkhedi, Tehsil-Punasa, District-Khandwa (MP)-450119 Stone Quarry Lease Area – 2.00 ha. at Village-Nandkheda, Tehsil-Punasa, District-Khandwa (MP)

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Nandkheda, Tehsil-Punasa, District-Khandwa (MP) in 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 13041 dated 14/10/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
7. Curtaining of site shall be done using appropriate media.
8. Production of stone boulder shall be as per the mining plan not exceeding 15000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
9. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

17. Case No. – 1981/2014 Smt. Manju Gupta W/o Shri B.K. Gupta, Suresh Nagar, Thatipur, Murar, District-Gwalior (MP)-474011 *Stone Quarry Lease Area – 2.00 ha. at Khasra No. – 3619/3 K, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP) Capacity- 15894 Cu.mt/Year. M.O. Gwalior L.N. QL-31 dt. 07/10/2014: 05 more quarries with TMLA- 11.625 ha including this mine.*

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *No. – 3619/3 K, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)* in 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. QL31 dated 07/10/2014, that 05 more mines are operating / proposed within 500 meter radius around the said mine the total lease area being 9.625 ha. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable. However, scrutiny of the case revealed that there are 05 mines proposed within 500 mt radius around the said mine. Also it is observed that in Bilua Region huge cluster of stone mines is operational, hence committee decided to verify the distance of this particular group of mines from major Bilua cluster through R.O. MPPCB / Mining Department.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

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[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

18. Case No. – 1985/2014 Shri Murlidhar Nayak S/o Shri Prasadi Lal Nayak, Owner, Bhawani Mata Road, Khandwa (MP)-450001 Stone Quarry Lease Area – 3.19 ha. at Village-Anjania, Tehsil-Punasa, District-Khandwa (MP).

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Anjania, Tehsil-Punasa, District-Khandwa (MP) in 3.19 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 12997 dated 13/10/2014, that 01 mine mine is operating / proposed within 500 meter radius around the said mine the total lease area being 4.7 Ha. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is proposed out side the lease area.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
7. Curtaining of site shall be done using appropriate media.
8. Production of stone boulder shall be as per the mining plan not exceeding 30000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
9. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

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[M.P. Singh, Member]

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[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

19. Case No. – 1986/2014 Shri Brijendra Sharma, M/s Ambe Crusher Alirajpur, 09, Siddheshav Colony, Tehsil & District-Jhabua (MP)-457550 Metal Stone Quarry Lease Area – 8.00 ha. at Village-Madhupallavi, Tehsil-Sondawa, District-Alirajpur (MP)

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 as per turn.

20. Case No. – 1987/2014 Shri Ravi Anandani S/o Shri Heeranand Anandani, 54, New Rajdev Sindhi Colony, Berasia Road, Bhopal (MP)-462021 Soil Quarry Lease Area – 1.324 ha. at Village-Pipalkhiriya, Tehsil-Raisen, District-Raisen (MP)

This is a case of mining of Soil. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Pipalkhiriya, Tehsil-Raisen, District-Raisen (MP) in 1.324 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 803 dated 04/09/2014, that 03 more mines are operating / proposed within 500 meter radius around the said mine, the total lease area being 5.362 ha. Committee decided to visit the site through a sub-committee in view of following investigation:

- Availability of soil / water in the region to assess the feasibility of three similar projects within 500 meters.
- Availability of sufficient space for brick manufacturing and allied activities.
- Transport route for evacuation of huge materials from the site.

The matter shall be decided after submission of the report by the sub-committee.

21. Case No. – 1988/2014 Shri Sunil Kumar S/o Shri Abhay Kumar Jain, Main Road, Chorai, District-Chhindwara (MP)-480115 Metal Stone Quarry Lease Area – 1.507 ha. at Village-Sitapar, Tehsil-Chorai, District-Chhindwara (MP)

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Sitapar, Tehsil-Chorai,

[R.B. Lal, Chairman]

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[K.P. Nyati Member]

[A.A. Mishra, Secretary]

District-Chhindwara (MP) in 1.507ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 2920 dated 22/12/2014, that no mine is operating / proposed within 500 meter radius around the said mine. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
7. Curtaining of site shall be done using appropriate media.
8. Production of stone boulder shall be as per the mining plan not exceeding 10000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
9. The proposed plantation should be carried out along with the mining and PP would take care that these plants attain full growth.
10. Transportation shall not be carried out through forest area.
11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
12. 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.

Discussion on the report – Visit to Alirajpur Sand quarries:

It was decided in SEAC Meeting dated 20/10/2014 to visit the sand mining sites in District Alirajpur, through a sub-committee to assess the following:

- Possible impacts from vehicle movement in the existing road net-work.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

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[M.P. Singh, Member]

[Manohar K. Joshi, Member]

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[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

- Impacts from the enhanced activities around rivers due to deployment of mine-workers at mining sites.
- Impacts from loading / unloading of materials at river banks.
- Miscellaneous other relevant issues pertaining to river sand mining.
- Possibility of cluster (s) of sand mining can not be ruled out in such an area.

The sub-committee comprising Dr. Manoj Pradhan, Member SEAC and Shri Manohar K. Joshi Member SEAC, inspected the following sand mines of Alirajpore and Dhar district:

1. Case no. 1794/2014- Shri Guddu Singh - Sand Mine in an area of 7.00 ha. at Village-Akola, Tehsil-Katthiwada, District-Alirajpur (MP).
2. Case no. 1777/2014- Shri Guman Singh S/o Shri Naan Singh, Village-Akola, Tehsil-Katthiwada, District-Alirajpur (MP) Sand Mining in an area of 10.00 ha. at Village-Akola, Tehsil-Katthiwada, District-Alirajpur (MP).
3. Case No. 1797/2014- Shri Rajendra Rathore S/o Shri Shobharam Rathore, Alirajpur, Tehsil & District-Alirajpur (MP)-457887 -Sand Mine in an area of 10.00 ha. at Village-Bhordiya, Tehsil-Sondwa, District-Alirajpur (MP).
4. Case No. 6 2132/2014 M/s DIPL C/o Shri Sukhdev Singh & Tejinder Singh, G-1, Sapna Chamber, South Tukoganj, Indore (M.P.)-452001 - M/s DIPL Sand Mine in an area of 4.0ha. For production capacity 10,000 cum/year at Khasra Nos.319,83 at Village-Birlai, Tehsil-Kukchhi, Distt- Dhar (M.P.)

Conclusion and recommendation

- The main tar road through which mine can be approached is about 300-500 meters from the mining sites. It is suggested that the sand from the river / nallah mines should be transported up to main tar road using small carts / trolleys to avoid impacts from vehicle movement.
- The labour deployed on mining sites is basically local tribal people and do not reside on river banks. Most of these workers have agriculture land along the river / nallah and are using the river water in fields and daily needs. Employment of these labour at sand quarries is expected to improve socio-economy of the region.
- Based on the observations it is suggested that the production capacity for sand mines may be decided by the committee on case to case basis based on the above observations of the sub-committee taking into consideration the annual replenishment, area etc.
- To prevent bank erosion and river bed de-gradation following conditions may be imposed in the EC:
 - The mining activity shall be done manually.
 - Heavy vehicles shall not be allowed on the banks for loading of sand.
 - The sand shall be transported by small trolleys up to the main transport vehicle.
 - Plantation shall be planned on the banks.
 - No screening of sand should be allowed on river beds.

Decision of the committee for the Sand Mining Projects of Alirajpur region based on the discussion held on the above field-visit report

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

1. **Case No. 1756/2014** Shri Mehtab Singh S/o Shri Patel Singh, Vill.- Rajawat, Th.- Alirajpur, Distt.- Alirajpur (M.P.) - 10 Ha. Sand Quarry at Khasra No. – 2, Village- Rajawat, Tehsil –Alirajpur, Distt. – Alirajpur (M.P.) **Lease Area – 10 Ha., Lease Period – 05 Year , Capacity – 72270 Cu.mt./Year.**

This is a case of riverbed sand mining in an area of 10 Ha. The project is covered under the EIA notification and mentioned as item 1 (a) in the schedule. After deliberations in the 151st and 156th meetings, PP was asked to submit response to certain queries. Later it was decided to recommend such cases only after the field visit of the region.

The submissions and presentation made by the PP reveals following:

- The quarry is located at - Khasra No. – 2, Village- Rajawat, Tehsil –Alirajpur, Distt. – Alirajpur (M.P.)
- Concerned Mining Officer vide letter no. ----- has reported that no sand quarry is operating / proposed within 1 Km from all the peripheries of the proposed sand quarry.
- It was reported that no national park / wild-life sanctuary is located within 10 from any of the peripheries of the proposed quarry.
- No embankment / bridge is reported within 1 Km from any of the periphery of the proposed quarry.
- PP has submitted the Mine Plan duly approved by the competent authority. Pp has also submitted an EMP.
- The mining is proposed to be carried out manually.

Based on the presentation and the submissions made by the PP committee has decided to recommend the case subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.

12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

2. Case No. - 1769/2014 Shri Edi Pachaya W/o Shri Bhadu Pachaya, Village-Bokdiya, Tehsil-Katthiwada, District-Alirajpur (M.P.)-457885 Chandpur River Sand Quarry Lease Area - 6.00 ha., Khasra No. 1272 at Village-Chandpur, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 29,700 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 6.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of Mandir Nadi at Khasra no. 1272 in village Chandpur, Tehsil Katthiwada, District Alirajpur (M.P.).

Particulars	Details
Mining Lease area	6.0 Hect.
Khasra No.	1272
Lease Validity	5 Years
Production Capacity	29700 Cu.mt/year
Total Reserve	180000cum
Land Use	Govt. river land (Mandir Nadi)
Lat. & Long.	22 20' 58.09" N, 74 05' 46.31" E
Highest Elevation	252mrl
Ultimate Depth	1 m

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1561 dated 15/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site. The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

3. Case No. - 1770/2014 Shri Mahendra Pachaya S/o Shri Bhadu Pachaya, Village-Bokdiya, Tehsil-Katthiwada, District-Alirajpur (MP)-457885 Sajanpur River Sand Quarry Lease Area - 10.00 ha. at Khasra No. 513, Village-Sajanpur, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 1,48,500 Cu.mt./Year.

This is a case for prior EC for Riverbed sand mining from a lease area of 10.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of Orsang Nadi at *Khasra No. 513, Village-Sajanpur, Tehsil-Katthiwada, District-Alirajpur (M.P.)*

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

Particulars	Details
Mining Lease area	10.0 Hect.
Khasra No.	513
Lease Validity	5 Years
Total Reserve	300000cum
Land Use	Govt. river land (Orsang Nadi)
Lat. & Long.	22 24'25.30"N, 74 05'5.48"E
Highest Elevation	203m
Ultimate Depth	1.5m
Details of mines within 1000m	no

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1560 dated 15/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

4. Case No. - 1775/2014 Shri Amar Singh S/o Shri Ratan Singh, Village-Arthi, Tehsil-Katthiwada, District-Alirajpur (M.P.) *River (Arthi Village) Sand Auction Quarry Mining Lease Area - 5.19 ha. at Khasra No. – 1,510/11,53, Village-Arthi, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period – 10 Year, Capacity – 14,850Cu.mt./Year.*

This is a case for prior EC for River bed sand mining from a lease area of 5.19 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Ton at *Khasra No. – 1,510/11,53, Village-Arthi, Tehsil-Katthiwada, District-Alirajpur (M.P.)*

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1545 dated 29/09/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

5. Case No. - 1777/2014 Shri Guman Singh S/o Shri Naan Singh, Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) River Sand Auction Quarry Mining Proposal Lease Area - 10.00 ha. at Khasra No. -221 Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period - 05 Year, Capacity -49500 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 10.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Akola at Khasra No. -221 Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.)

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1545 dated 29/09/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

6. Case No. - 1778/2014 Shri Bhab Singh S/o Shri Ugada Ji, Town & District-Alirajpur (M.P.) Auction Quarry River Sand Mining Lease Area - 6.00 ha. at Khasra No. -60. at Village-Badi Khattali, Tehsil-Jobat, District-Alirajpur (M.P.) Lease Period - 05 Year, Capacity -17072 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 06.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Badi Khattali at Khasra No. -60. at Village-Badi Khattali, Tehsil-Jobat, District-Alirajpur (M.P.)

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1574 dated 16/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

7. Case No. - 1779/2014 Shri Kendriya S/o Shri Bhangda Ji, Town & District-Alirajpur (M.P.) Auction Quarry River Sand Mining Lease Area - 7.00 ha. at Khasra No. – 01, at Village-Dabadi, Tehsil-Sondhwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity –15147 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 07.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Badi Khattali at *Khasra No. – 01, at Village-Dabadi, Tehsil-Sondhwa, District-Alirajpur (M.P.)*.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1573 dated 16/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

8. Case No. - 1782/2014 Shri Mahesh Patel S/o Shri Late Vesta Patel, Village-Borkhade, Tehsil & District-Alirajpur (M.P.)-457887 Kulwat River Sand Quarry Lease Area -10.00ha.. at Khasra No. -1, at Village-Kulwat, Tehsil-Sondwa, District-Alirajpur (M.P.) Lease Period - 05 Year, Capacity - 1,98,000 Cu.mt./Year.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

This is a case for prior EC for Riverbed sand mining from a lease area of 10.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at *Khasra No. -1, at Village-Kulwat, Tehsil-Sondwa, District-Alirajpur (M.P.)*.

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1579 dated 18/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

9. Case No. - 1783/2014 Shri Mahesh Patel S/o Shri Late Vesta Patel, Village-Borkhade, Tehsil & District-Alirajpur (M.P.)-457887 Mahalgaon River Sand Quarry Lease Area –10.00ha.. at Khasra No. –1, at Village-Mahalgaon, Tehsil-Sondwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 1,13,256 Cu.mt./Year.

This is a case for prior EC for Riverbed sand mining from a lease area of 10.0 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. –1, at Village-Mahalgaon, Tehsil-Sondwa, District-Alirajpur (M.P.).

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1580 dated 18/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

10. Case No. - 1785/2014 Shri Edi Pachaya W/o Shri Bhadu Pachaya, Village-Bokdiya, Tehsil-Katthiwada, District-Alirajpur (M.P.)-457885 Moriya Gaon River Sand Quarry Lease Area –5.30 ha. at Khasra No. –650 at Village-Moriya Gaon, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 24750 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 5.30 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of Chapri Nadi at Khasra No. –650 at Village-Moriya Gaon, Tehsil-Katthiwada, District-Alirajpur (M.P.).

It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1559 dated 15/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.

12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

11. Case No. - 1786/2014 Shri Dilip Patel S/o Shri Late Vesta Patel, Village-Borkhade, Tehsil-Alirajpur, District-Alirajpur (M.P.)-457887 Panala River Sand Quarry Lease Area –7.00 ha. at Khasra No. –50, 78, 96 & 134 at Village-Panala, Tehsil-Sondwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 75537 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 7.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of Ur Nadi at Khasra No. –50, 78, 96 & 134 at Village-Panala, Tehsil-Sondwa, District-Alirajpur (M.P.).
- It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1582 dated 17/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

12. Case No. - 1787/2014 Shri Dilip Patel S/o Shri Late Vesta Patel, Village-Borkhade, Tehsil-Alirajpur, District-Alirajpur (M.P.)-457887 Pratappura River Sand Quarry Lease Area – 7.00 ha. at Khasra No. – 237, at Village-Pratappura, Tehsil-Sondwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 72072 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 7.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of Ur Nadi at Khasra No. – 237, at Village-Pratappura, Tehsil-Sondwa, District-Alirajpur (M.P.). It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1765 dated 17/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

13. Case No. - 1788/2014 Shri Dilip Patel S/o Shri Late Vesta Patel, Village-Borkhade, Tehsil-Alirajpur, District-Alirajpur (MP)-457887 Kukadiya River Sand Quarry Lease Area – 10.00 ha. at Khasra No. – 491 at Village-Kukadiya, Tehsil-Sondwa, District-Alirajpur (MP) Lease Period – 05 Year, Capacity – 126720 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 10.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. – 491 at Village-Kukadiya, Tehsil-Sondwa, District-Alirajpur (MP). It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1581 dated 18/10/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

14. Case No. - 1792/2014 Shri Dileep Singh S/o Shri Bhuvan Singh, Village-Dobla Jhiri, Tehsil & District-Alirajpur (M.P.)-457887 Raodi Sand Mine Lease Area -10.0 ha.. Khasra No. – 361 at Village-Raodi, Tehsil-Sondwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity – 2,28,000 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 10.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The case was presented and discussed in the 152nd meeting dated 20/10/2014. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. – 361 at Village-Raodi, Tehsil-Sondwa, District-Alirajpur (M.P.). It was reported by OIC, Khanij Shakha, Alirajpur vide letter no. 1529 dated 24/09/2014 that no mine is operational within 1 Km from all peripheries of the said project site.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the -Gram Panchayat
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

15. Case No. - 1794/2014 Shri Guddu Singh, Village-Arthi, Tehsil & District-Alirajpur (M.P.) Auction Quarry River Sand Mining Lease Area -7.00 ha. Khasra No. - 943 at Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period - 05Year, Capacity - 50024 Cu.mt./Year.

This is a case for prior EC for River bed sand mining from a lease area of 10.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

- The site is located on the banks of River Hathini at *Khasra No. – 943 at Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.)* Mine Officer has reported that no sand quarry is proposed / operational within 1 Km from all peripheries of the said project site.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

Discussion on query responses received from PP:

The following cases involving submission of documents only were taken up by the committee:

- 1. Case No. - 1777/2014 Shri Guman Singh S/o Shri Naan Singh, Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) River Sand Auction Quarry Mining Proposal Lease Area - 10.00 ha. at Khasra No. -221 Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) Lease Period - 05 Year, Capacity -49500 Cu.mt./Year. Qry Reply- 150th SEAC Meeting dt. 26/09/14.**

This is a case for prior EC for River bed sand mining from a lease area of 10.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. -221 Village-Akola, Tehsil-Katthiwada, District-Alirajpur (M.P.) Mine Officer has reported that no sand quarry is proposed / operational within 1 Km from all peripheries of the said project site..

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

2. Case No. - 1779/2014 Shri Kendriya S/o Shri Bhangda Ji, Town & District-Alirajpur (M.P.) Auction Quarry River Sand Mining Lease Area - 7.00 ha. at Khasra No. – 01, at Village-Dabadi, Tehsil-Sondhwa, District-Alirajpur (M.P.) Lease Period – 05 Year, Capacity –15147 Cu.mt./Year. Qry Reply- 150th SEAC Meeting dt. 26/09/14.

This is a case for prior EC for River bed sand mining from a lease area of 07.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. – 01, at Village-Dabadi, Tehsil-Sondhwa, District-Alirajpur (M.P.) . Mine Officer has reported that no sand quarry is proposed / operational within 1 Km from all peripheries of the said project site..

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

3. Case No. - 1817/2014 Shri Manoj Bhagirath Ji, Town & Distt. – Alirajpur (M.P.)
River Sand Auction Quarry at Khasra No. – 2130, Village- Bardala, Tehsil- Alirajpur, Distt. Alirajpur (M.P.) Lease Area- 10 ha., Capacity – 8019 Cum/Year, Lease Period – 05 Year. Qry Reply- 155th SEAC Meeting dt. 11/11/14

This is a case for prior EC for River bed sand mining from a lease area of 10.00 Ha. The application for the prior EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The submissions and the presentations made by the PP and his consultant reveals following-

- The site is located on the banks of River Hathini at Khasra No. – 2130, Village- Bardala, Tehsil- Alirajpur, Distt. Alirajpur (M.P.). Mine Officer has reported that no sand quarry is proposed / operational within 1 Km from all peripheries of the said project site..

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

4. Case No. - 1819/2014 Shri Sumit Kumar Mittal S/o Shri Susheel Mittal, Balaji Developers, 7, ABJ Bihar Colony, Indore, Distt. – Indore (M.P.) - 452001 *Rehali Stone (Gitti) Quarry at Khasra No. – 486, 487, 489, 490, 491, 492, 493 & 494, Village- Rehali, Tehsil – Hatpipalya, Distt. – Dewas (M.P.) Lease Area- 3.54 ha., Capacity – 50,000 Cum/Year, Lease Period – 10 Year.* Qry Reply- 155th SEAC Meeting dt. 11/11/14.

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No. – 486, 487, 489, 490, 491, 492, 493 & 494, Village- Rehali, Tehsil – Hatpipalya, Distt. – Dewas (M.P.)* in 3.54 ha. The project requires prior EC before commencement of any activity at site. PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer, that no mine is operating/proposed within 500 meters around the proposed project site. PP has reported that the pit formed after mining shall be developed into a water body.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB, and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be as per the mining plan not exceeding 50000 m³/Year and maximum average depth of pits shall not exceed 6 meters.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Transportation shall not be carried out through forest area.
10. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
11. 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.

5. Case No. – 2136/2014 Shri Susheel Kumar Mishra S/o Shri Sanad Kumar Mishra Village- Kishanpyr, Tehsil- Ajaygarh, Distt-Patna (M.P.)-488220 Sand Mine in an area of 2.0 ha. For Production Capacity 46035cum/year at Khasra no.1, at Village-Bira No.05, Tehsil-Ajaygarh, Disst- Panna(M.P.)-488220- Distance certificate from MO for mines in 1 Km.

This is a sand mining project comprising a lease area of 2.00 ha. The project requires prior EC from SEIAA before commencement of production from the proposed quarry. The application was forwarded by SEIAA to SEAC for appraisal and necessary recommendation. The submissions and presentation made by the PP reveals following:

- The quarry is located at - *Khasra no.1, at Village-Bira No.05, Tehsil-Ajaygarh, Disst-Panna(M.P.)-488220.*
- It was reported that no national park / wild-life sanctuary is located within 10 from any of the peripheries of the proposed quarry.
- No embankment / bridge is reported within 1 Km from any of the periphery of the proposed quarry.
- PP has submitted the Mine Plan duly approved by the competent authority. Pp has also submitted an EMP.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]

- The mining is proposed to be carried out manually.
- It was reported by the Tehsildar vide letter no. 635 dated 08/12/2014 that 05 more mines are operational / proposed within 1 Km from all peripheries of the said project site the total lease area being 12 ha.

The submissions made by the PP were found to be satisfactory and acceptable hence based on the visit observations and PP's submission the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. It was observed during the visit to Alirajpur by the sub-committee that the banks of the tributaries have been eroded due to floods hence as special condition PP shall use the rejects and soil for plantation on these eroded banks to prevent further damages of the banks.
4. Annual abstraction of sand shall be as per the approved Mining Scheme and the depth of mining shall be restricted to 3m or water level, whichever is less.
5. Mining shall be carried only between 1st November to 31st May i.e. during non-monsoon period.
6. Transportation of sand shall not be carried out through forest area.
7. The mining activity shall be done manually.
8. Heavy vehicles shall not be allowed on the banks for loading of sand.
9. The sand shall be transported by small trolleys up to the main transport vehicle.
10. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
11. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone of 1 Km on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
12. No in stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the Gram Panchayat.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.

Next Meeting was decided to be held on 7th to 10th January 2014.

Meeting ended with thanks to the Chair and the Members.

[R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[M.P. Singh, Member]

[Manohar K. Joshi, Member]

[U.R. Singh, Member]

[Dr. Manoj Pradhan]

[Dr. Mohini Saxena, Member]

[K.P. Nyati Member]

[A.A. Mishra, Secretary]