

The 208th meeting of the State Expert Appraisal Committee (SEAC) was held on 23rd July, 2015 under the Chairmanship of Dr. R. B. Lal for discussion on the query responses submitted by the PP and the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohini Saxena, Member
2. Shri A.P. Srivastava, Member
3. Dr. M.P. Singh, Member
4. Dr. Alok Mittal, Member
5. Shri A.A. Mishra, Secretary

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

1. Case No. 1938/2014 - Mr. Vijay Bhateja, Vice President, Nav Uday Educational & Charitable Society, 29-A, PKT-1, Sector-7, Dwarka, New Delhi-110075 .Presentation on the query response submitted by the PP. *Prior Environment Clearance for approval of proposed project "Park Nav Uday Hospital & Medical College" at Village-Maharajpura, Tehsil & District-Gwalior (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. This was the second time when PP has not responded. Committee decided to call the PP in subsequent meetings for the last chance. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

2. Case No. 2410/15 Mr. P. Raju, Director, M/s Ananjay Construction & Contracts Pvt. Ltd. & New Vallabh Co-operative Housing Society Ltd., 101-A, Orchard Point, Palace Orchard, Kolar Road, Bhopal-42 (MP). *Prior Environment Clearance for approval of proposed group housing project "Western Courtyard, Wester Court, Western Heights, Singapur Villas & J.K. Town-Phase-II" at Village-Banjari, Tehsil-Huzur, District-Bhopal (MP)*

This is a case of housing project comprising development of a residential complex. The project is covered under category b item 8 (a) of the schedule of the EIA Notification, hence require prior EC before commencement of activity at site. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- 341/1, 340, 337, 339/1, 339/2, 338/3, 336/2, 331, 338/2, 319, 329, 336/2, 332/3, 333, at Village-Banjari, Tehsil-Huzur, District-Bhopal (MP) in a plot area of 16.06 ha. The salient features of the project were presented by the PP and their consultant. The presentation and the submissions made by the PP reveals following:

- **Name of the Applicant :** Western Courtyard, Western Court, Western Heights, Singapur Villas & J.K. Town ó Phase II of M/S. Ananjay Construction & Contracts Pvt. Ltd. & New Vallabh Co-Operative Housing Society Ltd.
- **Name of the Proponent:** Mr. P. Raju, Developer
- Total Area of the Plot: 160600 Sq.mt
- Proposed BuiltUp Area: 97825.57 Sq.mt
- Building Height: 24.0 m. Maximum + Stilt For unit A, 30.0 m. Maximum + Stilt For unit B
- Road width /MOS : 9/6/6 M. For Duplexes & 24/10/10 For Multi Unit Development
- Total Net Fresh Water Demand : 865 KLD
- Municipal Water Supply : 865 KLD
- STP Capacity : 733 KLD on 100% Load and 800 KLD Proposed
- Solid Waste Generation : 2.516 TPD
- Power Demand : 4500 KVA
- Back Up Source : 160 KVA (D.G. Set ó 8 x 20 KVA)
- Railway Station : Habibganj Railway Station ó 7.6 Km away from site

➤ Air Port : Bhopal Airport 22.3 Km away from site

Land details

SL	Khasra No.	Area (in hect.)	Ownership
1	341/1	1.93 out of 2.20	M/s Ananjay construction & contracts pvt. Ltd. Smt. Sweta d/o rajendra shivhare
2	340	4.36 out of 5.10	
3	337	0.29	
4	339/1	0.24	
5	339/2	0.11	
6	338/3	0.60	
7	336/2	0.55 out of 0.89	
Total (A)		8.08	
1	331	1.31	New vallabh co.- operative housing society Ltd.
2	338/2	1.30	
3	319	0.076	
4	329	0.076	
5	340	0.74 out of 5.10	
6	341/1	0.27 out of 2.20	
7	336/2	0.34 out of 0.89	
8	332/3	3.41	
9	333	0.39	
Total (A)		7.986	
Total (A + B)		16.06	

Area Statement

The proposed multi unit residential building and duplexes, villas, commercial/ educational units project is planned in a plot measuring 160600 Sq.mt. (16.06 Hect.) at Village Banjari, Tehsil Huzur, Dist.- Bhopal (MP).

Total Land Area	16.06 Hect.
	(160600.00 Sq.M.)
Area Under Planning	148675.25
Area Under 60 M. Wide Road	12367.95
Area Under 18 M. Co ó ordination Road	3753.23
Net planning area	132554.07
Area for multiunit residential development (A)	19536.85 Sq.M.
Area for Multi Unit Residential Development (B)	16821.37 Sq.M.
Nursery School	1000.00 Sq.M.
Mixed Land Use (B)	3716.88 Sq.M.
Informal Sector (C)	2183.84 Sq.M.
Area for plotted development	89295.16 Sq.M.
Statement of area for plotted development	
Total Area	89295.16 Sq.M. (100%)
Plottable Area	

i. Existing Plot	10914.53 Sq.M.	
ii. Proposed Plot	42173.01 Sq.M.	
Open Parks	9822.46 Sq.M. (11%)	
Road & Circulation	26602.33 Sq.M.	
Statement of Areas for multi Unit residential development		
Schedule of area multi unit development	A	
Particulars		Area Sq.M.
Total Land Area		19536.85
Net Area		19536.85
Max. Ground Coverage	30%	
F.A.R. 19536.85X1.25	= 24421.06	
Total FAR		24421.06
Open Spaces	10%	
Services	1%	
M.O.S.	Front (min)	9 M
REAR	(min)	6.0 M
All Side	(Min)	6.0 M
Parking		
Total built-up area proposed residential	= 21026.71	
Parking reqd.		
Residential 21026.71 @ 1ECS/100 Sq.m. B/ua	= 210.26 say 210 Nos.	
Parking Provided		
Stilt Parking 1214.75 Sq.m./30sqm.per ECS	= 40.49 say 40 no.	
Basement Parking 6 2380.00 Sq.m./35Sq.m.per ECS	= 68.00 say 68 nos.	
Open parking 2554.25/25	= 102.17 Nos. or 102.0	
Prop. Parking 40+68+102	= 210.0 Cars	
(additional FAR as per rule 61 of M.P.B.V.R. 2012 & B.D.P. 2005)		
Calculation of LIG & EWS C		
(A) Total Plots proposed (Plotted Development)	425	

Water requirement and source for the project:

The Main source of water supply will be Municipal water supply. It will cater the domestic requirement whereas additional water requirement will be fulfilled by treated water from STP. In construction phase we will take water supply from the private tanker suppliers.

Item Description	Residential
Domestic Water Requirement	541 KLD
Flushing Water Requirement	274 KLD
Landscaping & other uses	50 KLD
Total Water Demand	865 KLD
STP Capacity	On 100% Load 733 KLD Proposed 800 KLD
Available Treated Water through STP	660 KLD
Used Treated Water	324 KLD
Net Fresh Water	541 KLD

Water balance details

S. No.	Item Description	Number of Persons / Seats	Water Requirement / head (litres)	Total water Requirement (litres)
A	Fresh Water Requirement			
1	Apartments/Flats & Duplex	5325	90	479250
2	EWS	672	90	60480
3	Commercial Area	180	5	900
4	Maintenance Staff	10	20	200
	Sub Total of A			540830
B	Flushing Water			
1	Apartments/Flats & Duplex	5325	45	239625
2	EWS	672	45	30240
3	Commercial Area	180	20	3600
4	Maintenance Staff	10	25	250
	Sub Total of B			273715
C	Treated Effluent Water Requirement & Misc. Uses			
1	Landscaping			25000
2	Misc. & Other Uses			25000
	Sub Total of C			50000
	Total water requirement (A+B+C)			864,545
				Or says 865 KLD

Sewage Management

Design Basis of STP:

- Treatment Concept: MBBR Based on Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment.
- Treatment objective: To use the water for safe disposal or to use the water in auxiliary purposes like flushing, gardening, floor cleaning etc.
- Capacity : 800 KLD
- Operation : 20 Hours/ Day

Solid Waste details:

Facilities Provided	Waste Generation Norms		Basis of Assumption	Unit		Total Waste Generated (TPD)
Residential	0.4	Kg/capita/day	CPCB	5217	Persons	2.4868
Garden & Open Space	0.003	Kg/Sq. m./day	Discussion with Horticulturist	9822.5	Sq.m	0.02946738
STP Sludge	0.33	Kg/MLD of wastewater treated	Manual for Sewerage and sewage treatment by CPHEEO	0.276	MLD	0.00009108
Waste Oil	100	Liters/MW/year	Assuming one maintenance per year	1.553	MW	155.3 Litre
Total Waste Generated (TPD)						2.51650927
Total Biodegradable 55 % of total (TPD)						1.3840801
Total Non-Biodegradable 45 % of total (TPD)						1.13242917

- Total solid waste generated will be around 2.516 TPD
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the gate of the campus where three covered bins of green, white and black color will be placed for collection from the campus and for final transportation for disposal.

Cost of environmental management plan

Description	Capital cost (lac)	Running cost (lakhs/year)
Air		
Construction Phase	3.0	
Operation Phase		0.8
Noise		

Construction Phase	1.0	
Operation Phase		0.4
Water and Land		
Construction Phase	6.0	
Operation Phase		0.6
Sewage Treatment Plant	70.0	15.0
Rainwater Harvesting & Storm Water Management	4.0	0.8
Solid Waste Management	3.0	0.8
Energy		
Lighting	24	1.2
Biological		
Landscaping	9.0	5.4
Total	Rs. 120 Lac	Rs. 25.0 Lac / Year

After deliberations committee observed that the submissions and presentation made by the Pp are satisfactory and acceptable hence decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 541 KLD.
2. The excess treated water shall be stored appropriately and efforts shall be made to supply this water to the construction sites for use in the construction works.
3. Solar water heaters shall be provided on the towers of the multistoried buildings.
4. Peripheral plantation all around the project boundary shall be carried out using tree plants of large canopy.
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.

3. Case No.- 2494/2015 Shri Anupam Kumar Chaturvedi, Ward No. 5, Kali Dai Mohalla, Chandiya, Distt- Umariya (M.P.) -484660.Metal Stone Quarry Lease Area - 2.00 ha., Capacity- 15,000 cum/year at Vill.-Raghopur, Th.--Chandiya, Dist-Umaria (M.P.)

This is a case of mining of Metal Stone Quarry.The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. - 91/1, at Vill.-Raghopur, Th.--Chandiya, Dist-Umaria (M.P.) in 2.00 ha. The project requires prior EC before commencement of any activity at site.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

4. Case No. - 2550/2015 - Shri N.D. Ahirwar, Executive Engineer, Div. No.-3, M.P. Housing & Infrastructure Development Board, Amrapali Arcade, Bagmugalia Extension, Bhopal-462043 (M.P.) . "Construction of 536 Multi Stories Flats & 168 Duplex" at Khasra no.-7/2, at Vill.-Katara Hills, Th.--Huzur, Dist-Bhopal (M.P.) Total Plot Area- 58027.43 Sqm (5.8026 Ha.,) Total Built-up Area- 77402.2 Sqm.

This is a case of housing project comprising development of a residential complex. The case was considered in the SEAC meeting dated 08/05/2015, whereby PP and his consultant presented the salient features of the project with proposed EMP during construction and operation phases the submissions and the presentation reveals following:

Details	Reference Letter / Application No.	Date
Applied NOC from Airport Authority of India	No. 186/Sl. 6 3/15	02/02/2015
Applied NOC for Water supply	No. 1853/Sl. 6 3/14	19/09/2014
Applied letter for Electricity	No. 5007/Bhopal/2015	10/02/2015
Applied NOC Fire Fighting	No. 4998/Bhopal/2015	04/02/2015
Khasra Panchshala	8491977080	09/10/2012
No Development Certificate	-	10/02/2015
Permission for disposal of Solid waste	227/T.S/Din 3/2015	10/02/2015

The site is located at Katara Hills, Bhopal, Madhya Pradesh which is well connected with existing 18 m wide road.

Project details

Project Name	EC for construction of 536 Multi Storied flats & 168 Duplex at Katara Hills, Bhopal						
Land Requirement	Plot Area						Remarks
	58,026 m ²						
Built up Area	FAR Area m ²			Non FAR Area m ²			The Land Is under the possession of Housing Board, Bhopal. Dated: 12-10-2014
	High Rise	Villas	Total	High Rise	Villas	Total	
	50149.8	20260.8	70410.6	37081.2	7120.8	44,202	Total Built UP Area 1,14,612.6 m ²
Water Requirement	Phases		Fresh Water in KLD		Treated Water in KLD		Total Water in KLD
	Construction		4.2		190.6		194.8
	Operation		240		281		521
Total Parking Proposed	793 ECS (Proposed), (Required is 510 ECS) for High Rise						

Solid waste to be Generated	2565 Kg per day				
Landscape Area	6936.78 m ²				
STP	STP of 500 KLD is Proposed based on MBBR Technology				
Power Requirement	For Residential purpose	For Common Services	Total Requirement	Power	Power Back-up
	2441 kVA	488 kVA	2929 kVA		DG set of 250 kVA
Project Cost	Rs. 306.0 Crores				

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

- Layout of the site with location of MSW storage area and STP
- The MSW estimation has to be revised and submitted.
- Water demand and waste-water generation has to be re-calculated considering 135 lpcd and taking 5 persons per unit, and accordingly the STP has to be proposed
- Floor-wise details of construction area should be submitted along with the stilt details.
- Measures proposed against earthquake and other disasters to be highlighted.
- Plantation scheme with a provision of double row peripheral plantation to be furnished on a layout.
- Expected population of visitors and staff members in the campus during operation phase should also be provided, while calculating total population in the operation phase.
- STP has to be selected keeping in view the operating cost, simpler and effective technology so that during operation phase continuous operation of STP can be ensured. Proposal in context to the same to be submitted.
- Detailed layout of rain water harvesting should be presented
- The proposed on site composting is not accepted due to odour nuisance to the resident. Hence alternate arrangement should be suggested.
- Details of mobile toilet during construction phase needs to be given.

The PP submitted response was scrutinized in the SEAC meeting and it was observed that the response submitted by the PP was not clear hence PP was called to make a presentation on the query response in this meeting. Point-wise presentation was made by the PP and their consultant on the queries made by the SEAC which reveals following:

Tower wise details

Type Of Flat	Unit Type	No of Flats	No of Floors	Height of Building (m)	Total No of Blocks	FAR Area (m ²)	Non FAR (m ²)	Built-up Area (m ²)	Population @5 Person/DU
Tower-A	High Rise	40	S+11	36	1	5451.4	1402.6	6854	200
Tower-B	High Rise	32	S+9	30	1	4426.9	1173.1	5600	160
Tower-C	High Rise	40	S+11	36	1	5451.4	1402.6	6854	200
Tower-D	High Rise	56	S+14	45	1	4696.65	1166.35	5863	280
Tower-E	High Rise	68	S+17	54	1	5703.07	1401.93	7105	340
Tower-F	High Rise	120	S+20	63	1	9039	2066	11105	600
Tower-G	High Rise	68	S+17	54	1	5703.07	1401.93	7105	340

Tower-H	High Rise	56	S+14	45	1	4696.65	1347.35	6044	280
Tower-I	High Rise	56	S+14	45	1	4696.65	1166.35	5863	280
Stilt						0	4513	4513	
Basement						0	20010	20010	
Community Centre			G+2	12	1	285	30	315	
Total High Rise		536			10	50149.79	37081.21	87231	2680
Villa-A	Villas	49	G+1	10.3	1	6890.6	2613.4	9504.0	245
Villa-B	Villas	80	G+1	10.3	1	9375.0	2986.6	12361.6	400
Villa-C	Villas	38	G+1	10.3	1	3859.4	1455.7	5315.1	190
Villa-D	Villas	1	G+1	10.3	1	135.9	65.08	200.94	5
Total Villas		168			4	20260.8	7120.8	27381.6	840
Grand Total High Rise	Villas +	704			14	70410.6	44202.0	114612.6	3520

MSW management:

Solid Waste Generation (kg)			
Description	Generation Rate	Population/Area	Waste Generation
Municipal Solid Waste	@0.55 kg/capita/day	3520	1936
Horticulture Waste	@0.04 kg/sqm/day	6936	277.44
Street Sweeping	@0.1 kg/capita/day	3520	352
Total			2565.44

- Total Solid Waste Generation = 2565 kg/day
- Capacity of Waste Disposal Room = 18 m³
- Density of Solid waste = 0.3 kg /mm³
- Solid waste Generation in m³ = 2565/1000 = 2.56 m³
- Volume of Solid Waste Generated/day = 2.56/0.3 = 8.5 m³
- Solid waste generation for 2 days = 17 m³
- Capacity of Solid waste Disposal Room = 18 m³

STP- MBBR Technology based STP is proposed in the project.

Treated water from the secondary clarifier shall overflow into adjoining mixing tank where alum shall be added. Mixing shall be provided by air diffusion. From the mixing tank water shall flow by gravity into an adjoining baffled treated water tank shall have volume sufficient to store treated waste water for one day storage. The treated, disinfected water shall then be passed through a multi-grade filter and UV unit then stored and reused as makeup water for cooling towers for air-conditioning and Flushing

Total five numbers of mobile toilets will be placed during construction period for 150 construction labours.

The submissions and the presentation made by the Pp were found to be satisfactory and acceptable. Thus committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 240 KLD.
2. Modular type of STP shall be planned in phased manner.
3. The excess treated water shall be stored appropriately and efforts shall be made to supply this water to the construction sites for use in the construction works.
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
5. Power back-up for un-interrupted operations of STP shall be ensured.

5. Case No. – 2619/2015 Shri Iqbal Bhatiya Singh S/o Shri S.M.S. Bhatiya, 68, Jamindar Colony, Town & Distt.-Khargone (M.P.)-451001. Basalt Stone Quarry Lease Area - 1.00 ha., Capacity -5,700 cum/year, at Village-Putla, Teh.-Jirniya, Distt.-Khargone (M.P.)

This is a case of mining of "Basalt Stone Quarry". The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra no.-7/2*, at Village-Putla, Teh.-Jirniya, Distt.-Khargone (M.P.) in *1.00 ha*. The project requires prior EC before commencement of any activity at site. The case was earlier considered in the 195th meeting whereby it was deferred for want of authenticated information from DFO on the nearby forest area. After receipt of the same the case was placed before the committee.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-1465, dated: 18/3/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 5700 cum / Year.

6. Case No. – 2643/2015 Mr. Arun Agrawal, B-62, Paraspar Colony, Chuna Bhatti, Bhopal-462017 (M.P.) Prior Environment Clearance for proposed Residential Group Housing Project "Padam Heights" at Village-Raslakhedi, Tehsil-Huzur, District-Bhopal (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 after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

7. Case No. – 2611/2015 Shri Aakash Namdev, Project Manager, M/s M.P.S. Construction Company, Ram Ward, Badi Bazariya Bina, Sagar (M.P.)-470113 .Bothighat River Sand Quarry Lease Area-2.00 ha. Capacity -650 cum/year, at Village-Bothighat, Teh.-Kurwai, Distt. - Vidisha (M.P.)

This is a case of mining of Bothighat River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at *Khasra No.-82*, at Village-Bothighat, Teh.-Kurwai, Distt. -Vidisha (M.P.) 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. Concerned Mining Officer vide letter no.-31, dated: 03/01/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Evacuation of sand shall be as per the approved mining plan not exceeding 650 cum / Year as per the request of the PP.

8. Case No. – 2746/2015 Shri Vishnu Dev Singh S/o Shri Basu Dev Singh, Village-Dhouhara, Sidhi (MP)-486661.Stone Quarry Lease Area - 1.00 ha., Capacity -5,880 cum/year, at Khasra No. ó 2167/2, Village-Aswari, Tehsil-Sohagpur, District-Shahdol (M.P.)

This is a case of mining of Stone Quarry .The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *at* at Khasra No. ó 2167/2, Village-Aswari, Tehsil-Sohagpur, District-Shahdol (M.P.) 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. Concerned Mining Officer vide letter no.-300, dated: 16/03/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Aø

- Production of stone boulder shall be as per the approved mining plan restricted to 5880 cum / Year.
- Crusher is not proposed in the lease area and the same shall not be installed in the lease area.

9. Case No. – 2766/2015 Shri Vishnu Dev Singh S/o Shri Basu Dev Singh, Village-Dhourhara, Sidhi (MP)-486661.Stone Boulder Quarry Lease Area - 1.00 ha., Capacity - 8,820 cum/year, at Khasra No. ó 1504, Village-Navalpur, Tehsil-Sohagpur, District-Shahdol (M.P.)

This is a case of mining of Stone Boulder Quarry .The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *at* at Khasra No1504, Village-Navalpur, Tehsil-Sohagpur, District-Shahdol (M.P.) 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. Concerned Mining Officer vide letter no.-301, dated: 16/03/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Aø

- Production of stone boulder shall be as per the approved mining plan restricted to 8820 cum / Year.

- Garland drains and check dams shall be constructed with appropriate settling tanks towards the southern boundary so as to prevent any run-offs from mine into the water body reported to be at about 480 meters from the project boundary.

10. Case No. – 3149/2015 Shri Rajendra Kumar S/o Shri Jodhraj Kumawat, A-4, Siddarth Vihar, Ramtekri, Mandsaur (M.P.)-458001. Mundadi Stone Quarry Lease Area - 1.50 Capacity - 5,000 cum/year, at Khasra No.-143/4, 143/10, Village-Mundadi, Tehsil-Malhargarh, Dist-Mandsaur (M.P.)

This is a case of mining of Mundadi Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-143/4, 143/10, Village-Mundadi, Tehsil-Malhargarh, Dist-Mandsaur (M.P.) in **1.5 ha**. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-745, dated: 18/5/15, has reported that there is 05 more mines operating or proposed within 500 meters around the said mine and Total Area-11.500 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 5000 cum / Year.

11. Case No. – 3150/2015 Shri Rahul Jaiswal S/o Shri Narendra Jaiswal, 125, Gandhi Nagar, Near Radha Krishna Mandir, Ratlam (M.P.)-457001. Bibrod Stone Quarry Lease Area - 2.00 Capacity - 18,000 cum/year, at Khasra No.-181, Village-Bibrod, Tehsil-Ratlam, Dist-Ratlam (M.P.)

This is a case of mining of Bibrod Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-181, Village-Bibrod, Tehsil-Ratlam, Dist-Ratlam (M.P.) 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. Concerned Mining Officer vide letter no.-411, dated: 4/9/14, has reported that there is 02 more mines operating or proposed within 500 meters around the said mine and Total Area-6.00 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 18000cum / Year.

12. Case No. – 3154/2015 Shri Saurabh Patel S/o Shri Bhawarlal Patel, Ward No. 12, Yashwant Nagar, Raisen (M.P.)-464551. Stone Quarry Lease Area - 2.737 Capacity - 24,108 cum/year, at Khasra No.-Part of 48, 57, Village-Gondra, Tehsil-Raisen, Dist-Raisen (M.P.)

This is a case of mining of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-Part of 48, 57, Village-Gondra, Tehsil-Raisen, Dist-Raisen (M.P.) 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. Concerned Mining Officer vide letter no.-390, , dated: 18/5/15, has reported that there is 02 more mines operating or proposed within 500 meters around the said mine and Total Area-4.484 ha. .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 24108 cum / Year.
- Garland drains and check dams shall be constructed with appropriate settling tanks towards the southern & western boundaries facing the water body, so as to prevent any run-offs from mine into the water body reported to be at about 100 meters from the project boundary.
- Crusher shall not be installed in the southern side of the quarry.

13. Case No. – 3161/2015 Shri Mahesh Kumar Andani S/o Late Shri Joturam Andani, D-5, Punjabi Baag, Raisen Road, Bhopal (M.P.)-462042. Soil Quarry for Brick Manufacturing Lease Area - 1.00 Capacity - 1,500 cum/year, at Khasra No.-Part of 7/1, 8, Village-Pipalkhiriya, Tehsil-Raisen, Dist-Raisen (M.P.)

This is a case of mining of Soil Quarry for Brick Manufacturing. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-Part of 7/1, 8, Village-Pipalkhiriya, Tehsil-Raisen, Dist-Raisen (M.P.) 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. Concerned Mining Officer vide letter no.-283, dated: 31/03/15, has reported that there is 04 more mines operating or proposed within 500 meters around the said mine and Total Area-5.668 ha. .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of soil shall be as per the approved mining plan restricted to 1500 cum / Year.

14. Case No. – 3164/2015 Shri Krishna Lokhande S/o Shri Ramaji Lokhande, Village-Ghogama, Tehsil-Bhaisdehi, District-Betul (MP)-460220. Prior Environment Clearance for approval of Stone Quarry in an area of 1.066 ha. (7,007 cum/year) at Khasra No.-130/9, Village-Dhondi, Tehsil-Bhainsdehi, Betul (MP)

This is a case of mining of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-130/9, Village-Dhondi, Tehsil-Bhainsdehi, Betul (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. Concerned Mining Officer vide letter no.-558, dated: 2/05/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 7007 cum / Year.
- Murrum as OB is reported to generate (about 7500 m³ / 5 years) during mining, the same shall be staked separately and back-filled after the mining..

15. Case No. 3176/15 Shri Mohan Sahu, M/s Shri Jai Bajrang, Village & Tehsil-Pendra Road, District-Bilaspur (CG)-484886. Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (26,190 cum/year) at Village-Pamra, Tehsil-Pushprajgarh, District-Anuppur (MP)

This is a case of mining of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-133/1, Village-Pamra, Tehsil-Pushprajgarh, District-Anuppur (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. Concerned Mining Officer vide letter no.-552, dated: 22/4/15, has reported that there is 01, more mines operating or proposed within 500 meters around the said mine And Total Area-4.023 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 26190 cum / Year.

16. Case No. 3177/15 Shri Rajesh Khedia S/o Shri Radheshyam Kedia, Adarsh Marg, District-Anuppur (MP)-484881. Prior Environment Clearance for approval of Stone Quarry in an area of 4.683 ha. (43,917 cum/year) at Village-Sonaha, Tehsil-Budhar, District-Shahdol (MP)

This is a case of mining of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-139/1/Ka, 146/6/Kha, , at Village-Sonaha, Tehsil-Budhar, District-Shahdol (MP) in 4.683 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-360, dated: 20/03/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 43917 cum / Year.

17. Case No. 3178/15 Shri Baburam Upadhyya S/o Shri Jhurai Ram Upadhyya, Village-Bhudkud, Tehsil-Mada, District-Singrauli (MP)-486886. Prior Environment Clearance for approval of Murum Quarry in an area of 2.00 ha. (16,872 cum/year) at Khasra No.-2264, 2268, Village-Bhudkud, Tehsil-Mada, District-Singrauli (MP)

This is a case of mining of Murum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-2264, 2268, Village-Bhudkud, Tehsil-Mada, District-Singrauli (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. Concerned Mining Officer vide letter no.-574, dated: 15/04/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine. The river towards SE boundary is more than 500 meters as per the Google image observations.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of Murrum shall be as per the approved mining plan restricted to 16872 cum / Year.

18. Case No. 3179/15 Shri Prabhakar Singh, M/s Shiv Shakti Associates, Near Kendriya Vidhyalaya, Verma Colony, North Karondiya, District-Sidhi (MP)-486661. Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (1,08,600 cum/year) at Khasra No.-430, Village-Khamhariya Kalan, Tehsil-Chitrangi, District-Singrauli (MP)

This is a case of mining of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-430, Village-Khamhariya Kalan, Tehsil-Chitrangi, District-Singrauli (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 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-1273, dated: 02/09/14, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

It was reported that the Ken Ghariyal Sanctuary (a Notified PA) is less than 10 Km from the project boundary, hence PP is required to obtain wild life clearance from NBWL. A copy of application made to the competent authority in this regard has to be submitted to SEAC within 15 days for consideration of the case for EC. Thus the case was deferred till receipt of the same.

19. Case No. 3192/15 Shri Suhail Anwar M/s Gisaam Enterprises, Nehru Nagar, Ward No. 5, District-Singrauli (MP)-486889. Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (18,251 cum/year) at Khasra No.-164, 165, 166, Village-Khirwa, Tehsil-Chitrangi, District-Singrauli (MP)

This is a case of mining of *Stone Quarry*. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-164, 165, 166, Village-Khirwa, Tehsil-Chitrangi, and District-Singrauli 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. Concerned Mining Officer vide letter no.-776, dated: 14/05/15, has reported that there is no mine operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of stone boulder shall be as per the approved mining plan restricted to 18251 cum / Year.

20. Case No.-3182/15 Shri Gayendra Singh, M/s Sarveshwari Mines Village-Dhoti, Post-Waidhan (Near Tata Commercial), District-Singrauli, (MP)-486886. Prior Environment

Clearance for approval of Sand Quarry in an area of 4.00 ha. (54,400 cum/year) at Khasra No.-1706, Village-Rajmilan, Tehsil-Mada, District-Singrauli (MP)

This is a case of mining of Sand. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *at River Myar a tributary of River Rihand*, Khasra No.-1706, Village-Rajmilan, Tehsil-Mada, District-Singrauli (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 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-1393, dated: 25/09/14, , has reported that there is no mine operating or proposed within 1000 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Evacuation of sand shall be as per the approved mining plan not exceeding 54400 cum / Year.
2. No transportation shall be carried out from the roads passing the School.
3. A safety zone of 150 meters shall be observed from the bridge.

21. Case No. 3186/15 Smt. Madhuri, M/s Sainath Construction, Krishna Colony, ITI Ke Pass, District-Shahdol (MP)-484001. Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (5,880 cum/year) at Khasra No.-116/2, Village-Patasi, Tehsil-Sohagpur, District-Shahdol (MP)

This is a case of mining of Stone *Quarry*. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *at* Khasra No.-116/2, Village-Patasi, Tehsil-Sohagpur, District-Shahdol (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. Concerned Mining Officer vide letter no.-705, dated: 11/05/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Aø

- Production of stone boulder shall be as per the approved mining plan restricted to 5800 cum / Year.

22. Case No. – 3148/2015 Shri Virendra Singh S/o Shri Shivraj Singh, Village-Chakrod, Tehsil-Pachore, District-Rajgarh (M.P.)-465683. Chakrod River Sand Quarry Lease Area - 17.743 Capacity - 10,000 cum/year, at Village-Chakrod, Tehsil-Pachore, Dist-Rajgarh (M.P.)

This is a case of mining of Chakrod River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located *at River Newaj*, Khasra No.-01, Village-Chakrod, Tehsil-Pachore, Dist-Rajgarh (M.P.) in 17.743 **ha**. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-300, dated: 17/04/15, has reported that there is no mine operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Evacuation of sand shall be as per the approved mining plan not exceeding 10000 cum / Year.

23. Case No. – 2669/2015 Shri Bhagwan Singh Raghuvanshi S/o Shri Kishore Singh Raghuvanshi, Village-Manora, Tehsil-Gyaraspur, District-Vidisha (M.P.)-464331. Shekhpur Stone Quarry Lease Area-0.880 ha., Capacity - 5,700 cum/year, at Village-Shekhpur, Tehsil-Teonda, District-Vidisha (M.P.)

This is a case of mining of Shekhpur Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-245, Village-Shekhpur, Tehsil-Teonda, District-Vidisha (MP) in 0.880 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-544, dated: 13/03/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

After scrutiny of the documents the case was deferred and PP was asked to submit the following:

1. Certificate from the concerned DFO certifying the distance of nearest forest boundary from the project site.
2. Revised Mining Plan with provision of 7.5 meter mandatory buffer strip around the lease boundary.

24. Case No. – 2559/2015 Shri Himmat Singh S/o Shri Bheru Singh, Village-Semlapar, Teh.-Bioara, Distt.-Rajgarh (M.P.)-465674. Semlapar & Jatiyakhedi River Sand Quarry Lease Area - **24.400 ha.**, Capacity -10,000 cum/year, at Village-Semlapar & Jatiyakhedi, Teh.-Bioara, Distt.-Rajgarh (M.P.)

This is a case of mining of Semlapar & Jatiyakhedi River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located River PARvati, at Khasra No.-20, 1, 41, 42, , at Village- Semlapar & Jatiyakhedi, Teh.-Bioara, Distt.-Rajgarh (M.P.) in **24.400 ha**. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-297, , dated: 17/4/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine .

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Evacuation of sand shall be as per the approved mining plan not exceeding 10000 cum / Year.

25. Case No. – 2813/2015 Shri Sagar Raj Gurjar C/o Jai Shri Balaji Mines & Minerals, Goverdhar Vilas, Valicha By Pass, Udaipur (Raj.)-313002 – For TOR Pichla Laterite Mine Lease Area- **14.20 ha.**, Capacity - 2,00,000 TPA) at Survey No. ó 1471, Village-Pichla, Tehsil-Shamgarh, District-Mandsaur (MP) **ToR Env. Cons.- Udaipur Minetech Pvt. Ltd. Udaipur (Raj)**

The case was scheduled in the 206th meeting dated 21/07/2015. On PPø request with due permission of the Chairman the case was considered in this meeting. This is a mining project pertaining to mining of Laterite in a mining lease area of 14.2 Ha. The proposed production capacity in the project is 2.0 Lac TPA. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR for the project to carry out EIA and prepare EMP. The salient features of the project were presented by the PP and their consultant before the committee. The submission made by the PP reveals following:

- É Govt. of Madhya Pradesh issued a prospecting license dated 6.9.2012.
- É Letter of Intent has been issued vide letter no.-F3-2/2014/12/1 dated 9.12.2014.
- É Mining plan with PMCP has been submitted (approval is under process).
- É Monitoring & Sampling has been done during the period of March- May 2015.

Name of mineral	Laterite
Near village	Pichla
Tehsil	Shamgarh
District	Mandsaur
State	Madhya Pradesh
Applied lease area	14.20 Hect.
Max. & min elevation within applied lease area	
Latitude	24° 11' 5.46" N to 24° 10' 54.00" N
Longitude	to 75° 31' 58.33" E
Toposheet no.	45P/11

Features around the project

Nearest village	Pichla- 0.3 Km. by road.
Nearest railway station	Shamgarh 29.0 Km. by road.
Nearest airport	Indore - 234 Km. by road.
Archaeological site	No archaeological site within core & buffer zone.
Wildlife sanctuary	No wildlife sanctuary within core & buffer zone.
Nearest highway (Aerial distance)	SH -19A at about- 32.0 Km. towards East
Nearest water bodies (Aerial distance)	Chambal River -9.0 Km towards SW. Ansari River -8.5 Km towards NE Sonari River -10.6 Km towards SE
Nearest RF/PF (aerial distance)	Kharssiya PF at-1.3 Km. towards- East N/V- Gopalpura PF at-3.1 Km towards- West. N/v-Takrawad PF at 5.8 Km towards-SE.

Salient features of the project

Applied ML Area	14.20 Hect.	
Total Geological Resources	1,03,44,958 Tonnes	
Mineable Reserves	78,83,366 Tonnes	
Proposed Production	2,00,000 TPA of Mineral Laterite	
Life Of Mine	39.45 years.	
Type Of Land	Govt. Waste Land	
Method Of Mining	Opencast mechanized with drilling & blasting	
Water Requirement	7.5 KLD	
	PURPOSE	REQUIREMENT (KLD)
	Drinking & others	2.0
	Suppression of dust	3.0
	Plantation	2.5

	Total	7.5
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Method of mining

- É The Method of mining will be opencast mechanized with drilling & blasting.
- É Height of benches will be kept 5m and width of benches will be 15-20 m.
- É Bench slope will be kept at 80° from vertical.
- É The diameter of blast hole will be 115mm.
- É Loading of mineral will be done into dumpers with the use of excavator of 0.93 Cum. bucket capacity.

Year-wise production of mineral

Year	Production of Mineral (RoM) (Tonnes)
1st Year	1,09,588
2nd Year	2,00,450
3rd Year	2,01,043
4th Year	2,00,334
5th Year	2,00,681

Extent of mechanization

Sr. No.	Name	Capacity	Number
1.	Excavator	0.93 Cum.	1
2.	Rock Drill	-	1
3	Compressor CM-341	400cfm	1

Land use pattern of ml area

S. No.	Particulars	Pre- Operational	Operational	Post- Operational
1	Pits	0.062	4.20	12.063*
2	Dump	0.00	0.00	0.00
3	Infra structure	0.00	0.10	0.00
4	Plantation	0.00	2.137	2.137
5	Remaining land	14.138	7.763	0.00
6	Total	14.20	14.20	14.20

Plantation up to end of mine life 6 3.409 ha. (i.e. 2.137 ha. along lease boundary, 1.272 ha. on mined out area benches).

Base line data reported to be collected during May-March 2015 can be used in the EIA report.

After deliberation committee approved the standard TORs prescribed by the MoEF & CC to carry out EIA and prepare EMP for the project.

Meeting ended with thanks to the Chair and the Members.

[Dr. R.B. Lal, Chairman]

[A.P. Srivastava, Member]

[Dr. Alok Mittal, Member]

[Dr. M.P. Singh, Member]

[Dr. Mohini Saxena, Member]

[A.A. Mishra, Secretary]

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. 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.

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
 2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 3. Plantation shall be carried out on the banks for stabilization of the banks.
 4. The mining activity shall be done manually.
 5. Heavy vehicles shall not be allowed on the banks for loading of sand.
 6. The sand shall be transported by small trolleys up to the main transport vehicle.
 7. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
 8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
 9. Mining should be avoided during Monsoon.
 10. No in-stream mining shall be allowed.
 11. 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.
 12. Established water conveyance channels should not be relocated, straightened, or modified.
 13. 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.
 14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
 15. PP shall take Socio-economic activities in the region through the Gram Panchayat.
 16. EC will be valid for mine lease period subject to a ceiling of 5 years.
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