

**STATE EXPERT APPRAISAL COMMITTEE
MINUTES OF 221st. MEETING**

27/08/2015

The 221st. meeting of the State Expert Appraisal Committee (SEAC) was held on 27th August, 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. Dr. M.P. Singh, Member
3. Dr. Alok Mittal, Member
4. Shri A.P. Srivastava, Member
5. Shri K. P. Nyati, Member
6. Dr. U. R. Singh, Member
7. Shri R. Maheshwari, Member
8. Shri Manohar K. Joshi, Member
9. 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. – 2925/2015 Shri Jasveer Singh Gurjar S/o Shri Atar Singh Gurjar, Vill.-Pur Padhawali, District-Morena (M.P.) Padhawali Flag Stone Quarry Lease Area - 1.254 Ha., Capacity - , Capacity - 10,000 cum/year, at Khasra No.- 881/7, 881/13, Vill.-Padhawali, Teh.-Morena, District-Morena (M.P.)**

This is case of Flag Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- 881/7, 881/13, Vill.-Padhawali, Teh.-Morena, District-Morena (M.P.) 1.254 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. 4697 dated: 25/3/2015, has reported that there is 04 more mines operating or proposed within 500 meters around the said mine and total land area 9.737 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

1. Production of Flag Stone not exceeding 10,000 m³/Year as per mine plan.
2. **Case No. 3225/15 Shri Santosh Kumar Dongardiye S/o Shri Balaram Dongardiye, Village-Kamath, Tehsil-Multai, District-Betul (MP)-460661 Prior Environment Clearance for approval of Stone Quarry Lease Area - 2.00 ha., Capacity - (5,700 cum/year) at Khasra Nos.-37/1, 37/2, 37/3, 37/4, 38/4, 38/5, 38/7, & 79/4, Village-Chouthiya, Tehsil-Multai, District-Betul (MP)**

This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra Nos.-37/1, 37/2, 37/3, 37/4, 38/4, 38/5, 38/7, & 79/4, Village-Chouthiya, Tehsil-Multai, District-Betul (MP) 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. 315 dated: 13/3/2015, has reported that there is 3 more mines operating or proposed within 500 meters around the said mine and total land area 4.300 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

1. Production of Stone not exceeding 5,700 m³/Year as per mine plan.
2. No crusher proposed in the ML area.
3. **Case No. – 2938/2015 Shri Sunny Gaur, MD, M/s Jaiprakash Associates Limited, Sector-128, Noida, UP-201304 Limestone Mine Lease Area- 19.009 Ha., Capacity - , Capacity - 15,000 cum/year, at Vill.-Bankuiyan, Teh.-Huzur, District-Rewa (M.P.) (TOR)**

Scrutiny of document reveals that DFO's certificate is not attached with the document which is essential while considering the case for TOR. PP was asked to submit DFO's certificate for further consideration/appraisal of the proposal.

4. **Case No. - 3060/2015 Shri Anil Khanna, Authorized Signatory, M/s Fortune Builders, Fortune House, 157, Zone-1, M.P. Nagar, Bhopal (M.P.)-462011 Prior**

Environment Clearance for approval of proposed Group Housing Project "Fortune Executive" at Khasra No.-147/4/3, 147/3/1/3(Ka), 147/4/1(ka), 147/4/1/(kha) Village-Bawadia Kalan, Tehsil-Huzur, District-Bhopal (M.P.) Total Project Area- 9620 m²(0.962 Ha., Capacity - Or 2.38 Acre) Total Built up 22089.8 m²

This is a case for Prior Environment Clearance for approval of proposed Group Housing Project "Fortune Executive" at Khasra No.-147/4/3, 147/3/1/3(Ka), 147/4/1(ka), 147/4/1/(kha) Village-Bawadia Kalan, Tehsil-Huzur, District-Bhopal (M.P.) Total Project Area- 9620 m²(0.962 Ha., Capacity - Or 2.38 Acre) Total Built up 22089.8 m²

This is a building construction project comprising total plot area of 0.962 ha and total built-up area of 22,089.8 sq. mt for residential development.

The project falls under category 8 (a) of the Schedule of EIA Notification, hence requires prior EC before commencement of any activity on site. The case was presented before the committee by the PP and his consultant. The submissions and the presentation revealed following aspects of the project:

The salient features of the project include: development of Residential complex such as Group Housing, LIG and EWS and Sufficient green area.

PROJECT DETAILS

S. No.	Project Requirement	Details
1	Proposed Project	Fortune Executive
2	Location	Khasra No. 147/4/3, 147/3/1/3(ka), 147/4/1(ka), 147/4/1/(kha) at Village-Bawadia Kalan, Tehsil- Huzur, District-Bhopal, Madhya Pradesh, India.
3	Owners and Developers	M/s Fortune Builders, Bhopal.
4	Nearest Railway Station	Habibganj Railway Station: 5.0km (NE) Misrod Railway Station: 2.5 km (SE) Bhopal Junction Railway Station: 10.5 km (NW)
5	Nearest Airport	Bhopal -15.5 km (NW)
6	Plot Area	9620 m ² (0.962 Ha)
5	Proposed Built-up Area	22,089.8 m ²
6	Open/ Park Area (Landscape)	1568.5 Sq mt
8	Ground Coverage	2762.6 Sq mt

9	Permissible FAR	Permissible FAR @2.0 9208 x 2=18416 m ² FAR against road widening@4 411.33 x 4=1645.32 m ² Total ó 20061.32 m ²
10	Achieved FAR	Block A = 8942.26 m ² Block B = 5601.67 m ² Shops cum = 1426.39 m ² Residential Club House = 605.76 m ² Total FAR = 16576.08 m ²
11	Dwelling Units	Dwelling Units - 117 EWS/LIG - 18
12	Total Population	Residential: 585 (@ 5 person per unit) EWS/LIG : 90 (@ 5 person per unit)
13	Total Water requirement	106 KLD
14	Total Fresh Water requirement	63 KLD
15	Wastewater Generation	85 KLD
16	STP Capacity	100 KLD
17	Solid waste generated	Domestic waste : 352 kg/day Horticultural waste : 6 kg/day
18	No. of Parking proposed	Required Parking : 176 Vehicle space Provided Parking : 183 Vehicle Space
19	Total Power requirement	600 kVA
20	Height	Approx. 30 m (S+9)

DETAILS OF APPROVALS OBTAINED / APPLIED FOR

- T & CP Approval obtained
- NOC from ground water supply applied to CGWB.

Development Mix

No. of Residential units: 117

LIG/ EWS: 18

Parking

Required

Residential Parking = 160 Vehicle spaces @ 1 ECS per 100 m² of FAR area

Visitors parking = 16 Vehicle spaces @ 10% of total parking

Total Required Parking = 176 Vehicle spaces

Provided:

Covered Parking area = 164 Vehicle Space @ 30 m²/ ECS
 Open Parking area = 19 Vehicle Space @ 25 m²/ECS
 Total Provided Parking = 183 Vehicle Space

Source of water supply

1. In construction phase, water supply will be from the private tanker suppliers and treated water from nearby colony if available. .
2. The Main source of water supply in operation phase will be municipal water supply. It will cater the domestic requirement whereas additional water requirement for flushing, landscaping and washing will be fulfilled by treated water from STP.

Water/ Waste water Details

The waste water generated (85 KLD) during operation phase will be treated in the STP of 100 KLD at site. Waste water will be treated up to tertiary level for reuses in the residential complex like toilet flushing and horticulture purposes. Rest of tertiary treated water shall be discharged into natural drain till municipal sewer is available.	
Water/ Waste water Details	
Fresh water	63 KLD
Flushing	31 KLD
Horticulture / Landscape and other low end uses	12 KLD
Total water requirement	106 KLD
Waste water	85 KLD
Source of water - Municipal water supply	
STP Capacity -100 KLD (~15 % extra for future expansion)	

ENVIRONMENT M A N A G E M E N T PLAN

STP Details

FAB based Capacity: 100 KLD

Rainwater Harvesting

It is informed that total 02pits shall be provided for roof top runoff water in the project

Solid waste management

It is estimated that at about 358 kg per day of waste will be generated from the facility during the operation

CONSTRUCTION DEBRIS

- Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.
- Construction contractors shall remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

OPERATION PHASE

Collection and transportation

- During the collection stage, the biodegradable and non-recyclable/ non-biodegradable waste will be stored and collected separately. A provision of 48 hours MSW storage site will be made within the site. Coloured collection bins shall be provided in proper numbers
- To minimize littering and odours, waste will be stored in well-designed containers/bins using twin bin system that will be located at strategic locations to minimize disturbance in traffic flow.
- The collection vehicles will be well maintained to minimize noise and emissions, and while transporting waste, these will be covered to avoid littering.

Disposal

- With regard to the disposal/treatment of waste, the hired agency will dispose off the waste and STP sludge at designated place of Bhopal Development Authority.

AIR ENVIRONMENT

- DG set will have appropriate stack height as prescribed by the Central Pollution Control Board
- Proper ventilation will be provided to all parts of the building.
- Open burning of any waste shall not be allowed.

NOISE POLLUTION

- Noise Emission Control Technologies: DG generator will have suitable acoustic enclosure which shall be designed for minimum 65 dB (A).
- DG set will have stack height as per the CPCB formulation
- Ambient Noise Monitoring shall be carried out as per direction of MPPCB

ENERGY CONSERVATION MEASURES

- Maximum utilization of natural light
- CFL and fluorescent lamps in the common areas.
- Use of solar lights in open areas and landscaped area with 20% dual lighting system.
- All openings are shaded to reduce heat loss.
- U-values of roof, external wall and fenestration will meet requirements as specified in the Energy Conservation Building Code (ECBC).
- The water supply pumping system will be provided with variable speed drive to conserve energy at part load.
- Compliance for Window glazing U-values if window to wall ratio is more than 30%.
- Use of BEE 4-star rated or equivalent appliances

FIRE & SAFETY MEASURES

- Overhead Fire storage tanks as per NBC 2005
- Fire Hydrant System
- Automatic Fire Alarm System
- Hydrant pumps, Sprinkler pumps & Jockey pumps.
- Hand Held Fire Extinguishers
- Automatic Sprinklers System
- Wet risers, Fire Extinguishers, Hose Reel.

LAND SACPE PLAN

Total open space for landscapes proposed as 1568.5 sq mt.

The project pertains to development of Group Housing Project "Fortune Executive" under Category B-2, item 8 (a) of the schedule of the EIA Notification hence requires prior EC from SEIAA. Application for grant of EC was forwarded by SEIAA to SEAC for appraisal. The case was presented by the PP and their Architect in this meeting.

After deliberations, PP was asked to submit following information:-

1. As submitted by the PP, the project site is 150 meters away from the HFL of the Kaliasot River. However, as per the direction of NGT, Bhopal, 233 meter area from the HFL of the river should be left as "No Construction Zone", till the final decision of the concerned case from the NGT, Bhopal.
 2. Commitment of concerned authority water supply should be submitted.
 3. Commitment of concerned authority MSW disposal should be submitted.
 4. Commitment of concerned authority sewage disposal if proposed in municipal drain.
 5. Fire tender movement plan be revised and submitted so that fire tender can access the building from both the sides.
 6. Tree plantation scheme should be submitted with area justification viz "a- viz available parking space and financial allocations made for plantation.
 7. Three meter space should be left along the periphery of the entire project area for peripheral plantation. Plantation should be done of 3-4 years old saplings.
 8. Treated water storage tank should be constructed for its recycling.
 9. End use of excess treated waste water be submitted.
- 5. Case No. - 3061/2015 Shri Anil Khanna, Authorized Signatory, M/s Fortune Builders, Fortune House, 157, Zone-1, M.P. Nagar, Bhopal (M.P.)-462011 Prior Environment Clearance for approval of proposed Residential Project "Blue Ridge" at Khasra No.- Village-Bagla & Barrai, Tehsil-Huzur, District-Bhopal (M.P.)**

This is case of Prior Environment Clearance for approval of proposed Residential Project "Blue Ridge" at Khasra No.- Village-Bagla & Barrai, Tehsil Huzur, District-Bhopal (M.P.)

The project pertains to development of Residential Project "Blue Ridge" under Category B-2, item 8 (a) of the schedule of the EIA Notification hence requires prior EC from SEIAA. Application for grant of EC was forwarded by SEIAA to SEAC for appraisal. The case was presented by the PP and their Architect in this meeting.

This is a building construction project comprising total plot area of 7.59 ha and total built-up area of 49,908 sq. mt for residential development.

The project falls under category 8(a) of the Schedule of EIA Notification, hence requires prior EC before commencement of any activity on site. The case was presented before the committee by the PP and his consultant. The submissions and the presentation revealed following aspects of the project:

The salient features of the project include: development of Residential complex such as Duplexes, EWS and Sufficient green area.

PROJECT DETAILS

S. No.	Project Requirement	Details
1	Total Land Area	75,967.65 sqmt
2	Proposed Scheme Area	72,102.83 sqmt
3	Area Under 45 m wide road	581.26 sqmt
4	Net Planning Area	71,521.57 sqmt
5	Total proposed ground coverage	23,020.66 sqmt
6	Proposed FAR	48,286.23 sqmt
7	EWS/ Informal Sector	1,622.31 sqmt
8	Total Built up area	49,908.55 sqmt (MoEF guidelines: FAR+ Non-FAR)
9	Green Area	7868.33 m² (11% of net Plot Area) + 3565.1 m² (Additional Lawn area inside the plots 5%)
10	Total Units	Duplexes- 481 EWS - 66
11	Estimated Population	Residential ó 2405 (@5 person per unit) EWS- 330 (@5 person per unit) Visitors ó 50 Staff-455
12	Parking facilities	Individual Parking is being provided for Residents Open Parking is provided for Visitors
13	Power requirement & source	1556 kVA
14	Power Backup	1 DG sets of 125 kVA for common facilities
15	Fresh Water Requirement and Source	271 KLD Ground Water till municipal supply is not available.

16	Recycled Water	208 KLD
17	Total Water Demand	479 KLD

DETAILS OF APPROVALS OBTAINED / APPLIED FOR

- T & CP Approval obtained vide letter dated 30.1.2014
- NOC from ground water supply applied to CGWB.

Development Mix

Villas (Plots) : 481 no.
EWS : 66 NO
Parking : Individual parking for villas

Source of water supply

1. In construction phase, water supply will be form the private tanker suppliers and treated water from nearby colony if available. .
2. The Main source of water supply in operation phase will be ground water. It will cater the domestic requirement whereas additional water requirement for flushing, landscaping and washing will be fulfilled by treated water from STP.

Water/ Waste water Details

The waste water generated (377 KLD) during operation phase will be treated in the STP of 450 KLD at site. Waste water will be treated up to tertiary level for reuses in the residential complex like toilet flushing and horticulture purposes. Rest of tertiary treated water shall be discharged into natural drain.

Water/ Waste water Details

Fresh water	271 KLD
Flushing	131 KLD
Horticulture / Landscape	57 KLD
Total water requirement	479 KLD
Waste water	377 KLD
Source of water - Ground water through borewells	
STP Capacity -450 KLD (~20 % extra for future expansion)	

ENVIRONMENT M A N A G E M E N T PLAN

STP Details

FAB based Capacity: 450 KLD

Rainwater Harvesting

It is informed that total 6 pits shall be provided for total runoff water in the project.

Solid waste management

It is estimated that at about 1444 kg per day of waste will be generated from the facility during the operation

CONSTRUCTION DEBRIS

- Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.
- Construction contractors shall remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

OPERATION PHASE

Collection and transportation

- During the collection stage, the biodegradable and non- recyclable/ non-biodegradable waste will be stored and collected separately. A provision of 48 hours MSW storage site will be made within the site. Coloured collection bins shall be provided in proper numbers
- To minimize littering and odors, waste will be stored in well-designed containers/bins using twin bin system that will be located at strategic locations to minimize disturbance in traffic flow.
- The collection vehicles will be well maintained to minimize noise and emissions, and while transporting waste, these will be covered to avoid littering.

Disposal

- With regard to the disposal/treatment of waste, the hired agency will disposed off the waste and STP sludge at designated place of Bhopal Development Authority.

AIR ENVIRONMENT

- DG set will have appropriate stack height as prescribed by the Central Pollution Control Board
- Proper ventilation will be provided to all parts of the building.
- Open burning of any waste shall not be allowed.

NOISE POLLUTION

- Noise Emission Control Technologies: DG generator will have suitable acoustic enclosure which shall be designed for minimum 65 dB (A).
- DG set will have stack height as per the CPCB formulation
- Ambient Noise Monitoring shall be carried out as per direction of MPPCB

ENERGY CONSERVATION MEASURES

- Maximum utilization of natural light
- CFL and fluorescent lamps in the common areas.
- Use of solar lights in open areas and landscaped area with 20% dual lighting system.
- All openings are shaded to reduce heat loss.
- U-values of roof, external wall and fenestration will meet requirements as specified in the Energy Conservation Building Code (ECBC).
- The water supply pumping system will be provided with variable speed drive to conserve energy at part load.
- Compliance for Window glazing U-values if window to wall ratio is more than 30%.
- Use of BEE 4-star rated or equivalent appliances

FIRE & SAFETY MEASURES

- Overhead Fire storage tanks as per NBC 2005
- Fire Hydrant System
- Automatic Fire Alarm System

- Hydrant pumps, Sprinkler pumps & Jockey pumps.
- Hand Held Fire Extinguishers
- Automatic Sprinklers System in common areas
- Fire Extinguishers, Hose Reel.

LAND SACPE PLAN

Total open space for landscapes proposed as 7868.33 (11% of the net plot area) which is as per T & CP.

After deliberations, PP was asked to submit following information:-

1. Commitment of concerned authority for water supply should be submitted.
 2. Commitment of concerned authority for MSW disposal should be submitted.
 3. Fire tender movement plan be revised and submitted so that fire tender can excess the building from both the sides.
 4. Tree plantation scheme should be submitted with area justification viz óa- viz available parking space and financial allocations made for plantation.
 5. Commitment for sewage disposal if proposed in municipal drain.
 6. Treated water storage tank should be constructed for its recycling & plan for end use of excess treated waste water be submitted.
- 6. Case No. 3390/15 Shri Pawan Agrawal S/o Late Shri Kailash Chandra Agrawal R/o Barapatthar, Seoni (MP)-480661 Prior Environment Clearance for approval of Metal Stone Quarry in an area of 2.500 ha. (26,460 cum/year) at Khasra No.-202, Village- Belkhedi, Tehsil-Seoni, District-Seoni (MP)**

This is case of Metal Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-202, Village- Belkhedi, Tehsil-Seoni, District-Seoni (MP) 2.500 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 802 dated: 30/5/2015, 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

1. Production of Stone not exceeding 26,460 m³/Year as per mine plan.

2. A natural drain exists adjacent to the mining lease area thus PP should provide garland drains all around the lease area with settling pit to prevent mine runoff in the natural drain.
 3. Thick plantation should be done on the south side of the ML area.
7. **Case No. 3392/15 Shri Nitin Rai S/o Late Shri Karunashankar Rai, Barapatthar, District-Seoni (MP)-480882 Prior Environment Clearance for approval of Metal Stone Quarry in an area of 1.500 ha. Capacity 11,400 at Khasra No.-49/2, 50/1, 50/2, Village-Banki, Tehsil-Seoni, District-Seoni (MP)**

This is case of Metal Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-49/2, 50/1, 50/2, Village-Banki, Tehsil-Seoni, District-Seoni (MP) 1.500 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 876 dated: 16/6/2015, has reported that there is 02 more mines operating or proposed within 500 meters around the said mine and total land area 2.50 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

1. Production of Stone not exceeding 11,400 m³/Year as per mine plan.
 2. A natural drain exists on the west side of the mining lease area thus PP should provide garland drains all around the lease area with settling pit to prevent mine runoff in the natural drain.
8. **Case No. 3394/15 Shri Atul Agrawal S/o Shri Kaushal Rajkishore Agrawal (Proprietor), M/s Atul Construction, 159, Jaora Compound, Indore (MP)-452001 Prior Environment Clearance for approval of Basalt Stone Quarry in an area of 2.300 ha. (13,834 cum/year) at Khasra No.-125/1/3, Village-Rangwasa, Tehsil-Depalpur, District-Indore .**

This is case of Basalt Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-125/1/3, Village-Rangwasa, Tehsil-Depalpur, District-Indore (MP) 2.300 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. 499 dated: 28/5/2015, has reported that there is 04 more mines operating or proposed within 500 meters around the said mine and total land area 8.1 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 :-Aø

1. Production of Stone not exceeding 13,834 m³/Year as per mine plan.

9. Case No. 3399/15 Shri Balveer S/o Shri Bharat Singh Parmar R/o Village-Khadi, Tehsil-Depalpur, District-Indore (MP)-453115 Prior Environment Clearance for approval of Stone/Murram Quarry in an area of 2.022 ha. (Stone-12,000 & Murram-2,484 cum/year) at Khasra No.-284/1/1/1, Village- Seiwani, Tehsil-Depalpur, District-Indore.

This is case of Stone/Murram mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-284/1/1/1, Village-Seiwani, Tehsil-Depalpur, District-Indore (MP) 2.022 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. 473 dated: 25/4/2015, has reported that there is 10 more mines operating or proposed within 500 meters around the said mine and total land area 21.202 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 :-Aø

1. Production of Stone not exceeding 12,000 m³/Year and murram 2,484 m³/Year as per mine plan.

2. There is Flour Mill (Maida Mill) at a distance of about 200 meters from proposed site hence, PP should erect a wind breaking wall towards the industrial unit of three meter

high and should provide proper dust suppression system. In view of highly sensitive Maida mill in close proximity, PP will not be allowed to operate crusher at the ML site.

10. Case No. 3400/15 Shri Omprakash Verma S/o Shri Karan Singh Verma, Village-Jamoniya Hatesingh, Tehsil-Ichhawar, District-Sehore (MP)-466001 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (1,853 cum/year) at Khasra No.-20/5, Village-Jamoniya Hatesingh, Tehsil-Ichhawar, District-Sehore (MP).

This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-20/5, Village-Jamoniya Hatesingh, Tehsil-Ichhawar, District-Sehore (MP) 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. 1101 dated: 22/4/2015, 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

1. Production of Stone not exceeding 1,853 m³/Year as per mine plan.

11. Case No. 3401/15 Shri Rajesh Anjna S/o Shri Ranachhod Singh Anjna, Village-Chandukhedi, Tehsil & District-Ujjain (MP)-456001 Prior Environment Clearance for approval of Stone/Murram Quarry in an area of 4.00 ha. (Stone-13,856 & Murram-5,542 cum/year) at Khasra No.-305, Village- Jalalkhedi, Tehsil-Ujjain, District-Ujjain (MP).

This is case of Stone/Murram mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-305, Village- Jalalkhedi, Tehsil-Ujjain, District-Ujjain (MP) 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. Concerned Mining Officer vide letter no. 1419 dated: 18/5/2015, has reported that there is 02 more mines operating or proposed within 500 meters around the said mine total land area 7.560 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 :-Aø

1. Production of Stone not exceeding 13,856 m³/Year and murrum 5,542 m³/Year as per mine plan.

12. Case No. 3402/15 Shri Hemraj Sondhya S/o Shri Bapulal Sondhya, Village-Kalponi, Tehsil-Rajgarh (MP)-465661 Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (3,000 cum/year) at Khasra No.-9/2, Village-Harjipur, Tehsil-Rajgarh, District-Rajgarh (MP)

This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-9/2, Village- Harjipur, Tehsil-Rajgarh, District-Rajgarh (MP) 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. 611 dated: 22/5/2015, 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

1. Production of Stone not exceeding 3,000 m³/Year as per mine plan.
2. A natural drain exists in the close vicinity of the mining lease area thus PP should provide garland drains all around the lease area with settling pit to prevent mine runoff in the natural drain.

13. Case No. 3403/15 Shri Ajj Khan S/o Shri Latif Khan, Village-Mori Kodi, Tehsil-Raisen, District-Raisen (MP)-453441 Prior Environment Clearance for approval of Murram Quarry in an area of 2.00 ha. (6,000 cum/year) at Khasra No.-01, Village-Mori Kodi, Tehsil-Raisen, District-Raisen (MP)

This is case of Murram mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-01, Village-Mori Kodi, Tehsil-Raisen, District-Raisen (MP) 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. 351 dated: 1/5/2015, 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

1. Production of murrum not exceeding 6,000 m³/Year as per mine plan.
2. A village is in existence very near the mining lease area. During presentation PP submitted that the mining will be done manually. Thus this case was considered for EC with a condition that only manual mining is allowed.

14. Case No. 3404/15 Shri Jagannath S/o Shri Mohanlal, Hall Mukaam, Ronija Road, Barnagar, District-Ujjain (MP)-456771 Prior Environment Clearance for approval of Murram Quarry in an area of 4.00 ha. (6,717 cum/year) at Khasra No.-623, Village-Moulana, Tehsil-Badnagar, District-Ujjain (MP)

This is case of Murram mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-623, Village-Moulana, Tehsil-Badnagar, District-Ujjain (MP) 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. Concerned Mining Officer vide letter no. 1692 dated: 18/6/2015, 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

1. Production of murrum not exceeding 6,717 m³/Year as per mine plan.

15. Case No. 3412/15 Shri Narendra Singh Yadav, Director, K.N. International Ltd., Village-Ganiyar, Post-Waidhan, District-Singrauli (MP)-486886 Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (26,105 cum/year) at Khasra No.-1536, Village-Bhudkud, Tehsil-Mada, District-Singrauli (MP)

This is case of Sand mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at **Khasra No.-1536**, Village-Bhudkud, Tehsil-Mada, District-Singrauli (MP) 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. 996 dated: 25/6/2015, has reported that there is no more mines 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 :-B

1. Production of Sand not exceeding 26,105 m³/Year as per mine plan.

16. Case No. 3415/15 Shri Suresh Chandra Agrawal, M/s Raj Stone Crusher R/o Village-Bargawan, Post-Daga, District-Singrauli (MP)-486886 Prior Environment Clearance for approval of Metal Stone Quarry in an area of 1.86 ha. (16,615 cum/year) at Khasra No.-53, 54, Village-Gadariya, Tehsil-Singrauli, District-Singrauli (MP)

This is case of Metal Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at **Khasra No.-53, 54**, Village-Gadariya, Tehsil-Singrauli, District-Singrauli (MP) 1.86 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. 780 dated: 15/5/2015, has reported that there is 05 more mines operating or proposed within 500 meters around the said mine total land area 13.92 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

1. Production of Stone not exceeding 16,615 m³/Year as per mine plan.

17. Case No. 3424/15 Shri Atishay Jain S/o Shri Ajay Kumar Jain, Jhanda Chowk Bazar, Tehsil-Kundam, District-Jabalpur (MP)-483110 Prior Environment Clearance for approval of Crusher Stone & Murram Quarry in an area of 3.40 ha. (Stone-17,904 & Murram-4934 cum/year) at Khasra No.-356, 360, Village-Dhanwahi, Tehsil-Kundam, District-Jabalpur

This is case of Crusher Stone & Murram. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at **Khasra No.-356, 360**, Village-

Dhanwahi, Tehsil-Kundam, District-Jabalpur (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 267 dated: 9/7/2015, 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

1. Production of Stone not exceeding 17,904 m³/Year & murrum 4934 m³/Year as per mine plan.
2. A natural drain exists on the west side of the mining lease area thus PP should provide garland drains all around the lease area with settling pit to prevent mine runoff in the natural drain.

18. Case No. – 2561/2015 Shri Shiva Dixit, Director, Jaypee Nagar, Rewa (M.P.) Jura Limestone Mine Lease Area - 25.595 ha., Capacity - , Capacity -30,000 TPA, at Khasra No. – 158, 159, 160, 161, 164, 165, 166, 167, 168, 169, 170, 171, 172, Village-Jura, Teh.-Maihar, Distt.-Satna (M.P.)

Scrutiny of document reveals that DFO's certificate is not attached with the document which is essential while considering the case for TOR. PP was asked to submit DFO's certificate for further consideration/appraisal of the proposal.

19. Case No. – 2562/2015 Shri Shiva Dixit, Director, Jaypee Nagar, Rewa (M.P.) Jura Limestone Mine Lease Area-23.287 ha., Capacity - , Capacity -50,000 TPA, at Khasra No. – 397 to 413, 418 to 435, 438 to 443 and 466 to 467, Village-Jura, Teh.-Maihar, Distt.-Satna (M.P.) (TOR)

Scrutiny of document reveals that DFO's certificate is not attached with the document which is essential while considering the case for TOR. PP was asked to submit DFO's certificate for further consideration/appraisal of the proposal.

20. Case No. - 2430/2015 Shri Shiva Dixit, Director, Jaypee Nagar, Rewa (M.P.) Jura Limestone Mine Lease Area - 20.719 ha., Capacity - , Capacity-25,000 TPA) at Vill.-Jura, Th.--Maihar, Distt.-Satna (M.P.) (TOR)

Scrutiny of document reveals that DFO's certificate is not attached with the document which is essential while considering the case for TOR. PP was asked to submit DFO's certificate for further consideration/appraisal of the proposal.

21. Case No. - 3322/2015 Shri Suny Gaur, Bankuiyan Lime Stone Mine, Jaypee Nagar, District-Rewa (MP)-486450 Prior Environment Clearance for approval of Limestone Mine in an area of 8.939 ha. (40,000 TPA) at Village-Bankuiyan, Tehsil-Huzur, District-Rewa (MP) (TOR)

Scrutiny of document reveals that DFO's certificate is not attached with the document which is essential while considering the case for TOR. PP was asked to submit DFO's certificate for further consideration/appraisal of the proposal.

22. Case No. 1828/2014 - Shri Rakesh Jayatibhai Patel, M/s Meghnagar Organics Pvt. Ltd., Gandhi Pole, Post-Ranoli, Vadodara, Gujarat-391350 Proposed Manufacture of Pigments production at Tehsil-Meghnagar & District-Jhabua (MP) .

Proposed unit is organic pigment manufacturing unit. The project covered under the category of 5(f) in schedule "Synthetic organic chemicals industry" of EIA Notification-2006. This project falls under category "B" Environmental Clearance.

The project is covered as item 5 (F) in the schedule of EIA notification and hence requires prior EC from SEIAA before commencement of any activity at site. The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. PP and their consultant presented the case before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

List Of Product and byproduct

Sr. No.	Product Name	Production
1.	Azo Pigment	25 MT/Month
	Red - 3 / 4 / 8 / 12 / 48.2 / 49.1 / 53.1 / 57.1 / 63.1 / 81/ 81.1 / 112 /772 / 777	
	Yellow - 1 / 2 / 3 / 10-G / 12 / 13 / 34/ 74 / 79 / 83	
	Orange - 5 / 13	
2.	CPC Alpha Blue - 15 / 15.1 / 15.3	50 MT/Month
3.	Copper Phthalocyanine Crude	50 MT/Month
4.	CPC Green 7	30 MT/Month
	TOTAL	155 MT/Month

Sr. No.	Name of By product	Generated from process	Used in Manufacture
1.	Hydrochloric acid	CPC Green Plant	Azo Pigment Plant
2.	Sulfuric acid	Alpha Blue Plant	CPC Crude Plant
3.	Sodium hypochlorite	CPC Green Plant	Used as a strong oxidizing agent in ETP Plant

- No ecologically protected area or archeologically protected site or other environmental sensitivity has been reported within 10 km radius of the site.
- Industry has also obtained NOC for water supply from AKVN, Meghnagar
- Industry has also obtained certificate regarding the distance of interstate boundary which more than 10 km radius.

Environmental Setting Of Project

Sr. No.	Features	Particulars			
1	Project Location	Plot No. 184/C, AKVN Industrial Area, Meghnagar Jhabua dist., MP			
2	Nearest village	Bedawali			
3	Coordinates	Direction	Corners	Latitude	Longitude
		South	1 st	22 ^o 54ø 46.84 øN	74 ^o 33ø 43.29 øE
		West	2 nd	22 ^o 54ø 47.73 øN	74 ^o 33ø 42.59 øE

		North	3 rd	22 ^o 54ø 49.24 øN	74 ^o 33ø 44.93 øE
		East	4 th	22 ^o 54ø 47.61 øN	74 ^o 33ø 46.21 øE
4	Nearest Town/City	Jhabua(18 Kms)			
5	Nearest Railway Station	Meghnagar (1.3 Kms)			
6	Nearest Highway	SH-39 & NH-59 (0.47 & 10 km)			
7	Nearest Airport	Indore Airport (132 km)			
8	Nearest Water Body	Nagari Nadi (3.90 km) Anas River (6.75 km)			
9	Nearest Hospital	Jeevan Jyoti Hospital (1.5 km)			
10	Ecologically sensitive zones within 10 km	Nil			
11	Historical/ Archaeological places	Nil			
12	List of Major Industries (within 10 km)	AP India Biotech Pvt. Ltd, Madhya Bharat Phosphate Ltd., Padmavati Minerals. , S R Ferro Alloys.			
13	Seismic Zone	Seismic Zone III			

Raw Material Requirement

Sr. No.	Name of Raw Material	State	Mode of Transport	Type of Container	Manufacturer/Supplier	Supplier Address
1.	Hydrochloric Acid	Liquid	Truck	Barrel	Hardik Enterprise	Nandesari, Vadodara
2.	Meta Nitro Para Toluene	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad

3.	Sodium Nitrite	Solid	Truck	Bags/Drums	Sputnik Industrise	Ankleshwar
4.	Acetic Acid	Liquid	Truck	Barrel / Carboy	Hardik Enterprise	Nandesari, Vadodara
5.	Beta Naphthol	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
6.	Caustic Lye	Liquid	Truck	Barrel / Carboy	Hardik Enterprise	Nandesari, Vadodara
7.	Ortho Chloro Para Nitro Aniline	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
8.	Sulfamic Acid	Solid	Truck	Bags/Drums	Chempack Industrise	Ankleshwar
9.	Scarlet G	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
10.	Naphthol ASE	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
11.	RL Base	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
12.	Naphthol	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
13.	2B Acid	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
14.	Bon Acid	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
15.	Rosin	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
16.	Barium Chloride	Liquid	Truck	Barrel / Carboy	Pransu Chemical Pvt. Ltd.	Mumbai
17.	Tobias Acid	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
18.	Rosin	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
19.	C Acid	Solid	Truck	Bags/ Drums	Kangaru Industrise	Ankleshwar
20.	4 B Acid	Solid	Truck	Bags/Drums	Anil	Ahmedabad

					Organics	
21.	Calcium Chloride	Solid	Truck	Bags/Drums	Bhumika Enterprise	Nandesari, Vadodara
22.	Trichloro aniline	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
23.	Methyl violet	Solid	Truck	Bags/Drums	Kolorjet Chemicals Pvt. Ltd.	Mumbai
24.	Copper Sulphate	Solid	Truck	Bags/Drums	Hardik Enterprise	Nandesari, Vadodara
25.	Sodium ferricyanide	Solid	Truck	Bags/Drums	Kolorjet Chemicals Pvt. Ltd.	Mumbai
26.	Sodium Nitrate	Solid	Truck	Bags/Drums	Sputnik Industrie	Ankleshwar
27.	Soda Ash	Solid	Truck	Bags/Drums	Hardik Enterprise	Nandesari, Vadodara
28.	Aceto Acetic Anilide	Solid	Truck	Bags/Drums	Sweta Industrie	Ahmedabad
29.	Para Chloro Ortho Nitro Anisiline	Solid	Truck	Bags/Drums	Sweta Industrie	Ahmedabad
30.	Para Sulfide	Solid	Truck	Bags/Drums	Sweta Industrie	Ahmedabad
Sr. No	Name of Raw Material	State	Mode of Transport	Type of Container	Manufacturer /Supplier	Supplier Address
31.	Aceto Acet m-Xylydide	Solid	Truck	Bags/Drums	Sweta Industrie	Ahmedabad
32.	Aceto Acetic Ortho Chloro Analide	Solid	Truck	Bags/Drums	Sweta Industrie	Ahmedabad

33.	Caustic flakes	Solid	Truck	Bags/Drums	Hardik Enterprise	Nandesari, Vadodara
34.	3,3 Dichloro Benzedrine	Solid	Truck	Bags/Drums	Radhika Orgo Chem.	Nandesari, Vadodara
35.	Noisen X	Liquid	Truck	Barrel / Carboy	Rich colour chem.	Ahmedabad
36.	Red B base	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
37.	Aceto Acet -o- Anisidide	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
Sr. No.	Name of Raw Material	State	Mode of Transport	Type of Container	Manufacturer/Supplier	Supplier Address
38.	Naphthol ASIRG	Solid	Truck	Bags/Drums	Sweta Industrise	Ahmedabad
39.	Sodium bicarbonate	Solid	Truck	Bags/Drums	Hardik Enterprise	Nandesari, Vadodara
40.	Mono Chloro Benzene	Liquid	Truck	Barrel / Carboy	Anil Organics	Ahmedabad
41.	2,4 Di Nitro Aniline	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
42.	Phenyl Methyl Pyrazolone	Solid	Truck	Bags/Drums	Anil Organics	Ahmedabad
43.	CPC blue	Solid	Truck	Bags/Drums	Shiv Dye Stuff.	Nandesari, Vadodara
44.	Sulfuric acid	Liquid	Truck	Barrel / Carboy	Hardik Enterprise	Nandesari, Vadodara
45.	Emulsifier	Solid	Truck	Bags/Drums	Rich Colour Chem.	Ahmedabad

46.	Phthalic anhydride	Solid	Truck	Bags/Drums	Amar Enterprise	Vadodara
47.	Urea	Solid	Truck	Bags/Drums	GNFC	Bharuch
48.	Cuprous chloride	Solid	Truck	Bags/Drums	Ratana Nicko Chem	Vadodara
49.	Ammonium molybdate	Liquid	Truck	Barrel/Carboy	Inwac metal	Vadodara
50.	Solvent (ONT)	Liquid	Truck	Barrel /Carboy	Arox chemical	Mumbai
51.	Aluminium chloride	Solid	Truck	Bags/Drums	Ratan Nicko Chem.	Vadodara
52.	Cupric chloride	Solid	Truck	Bags/Drums	Ratan Nicko Chem.	Vadodara
53.	Sodium Chloride	Solid	Truck	Bags/Drums	Hardik Enterprise	Nandesari, Vadodara
54.	CPC Blue crude	Solid	Truck	Bags/Drums	Shiv Dye Stuff	Nandesari, Vadodara
55.	Chlorine	Gas	Truck	Cylinder	S.P. Chemicals	Nandesari, Vadodara

Air Pollution Control Measures

Following measures are proposed to mitigate negative impact of operation phase of the project on the surrounding air environment:

1. The NH_3 will be absorbed in Water scrubber and HCl & Cl_2 will be absorbed in water scrubber followed by alkali scrubber before venting out to achieve CPCB norms. The PM will be control by the cyclone separator & bag filter. Adequate stack height will further help in dispersion of pollutants. Closed feeding and transferring system, proper local or exhaust ventilation and more solvent recovery efficiency will control fugitive emission. The air quality impacts of source are evaluated by use of air model. The model stimulates the relationship between air pollutants emission, meteorology and air chemistry, all of which are determined by formulating impact scenario.
2. DG set will be operated as a power back-up only.

3. Stack of adequate height as per CPCB norms will be erected.
4. Periodical monitoring will be carried out.
5. To control the fugitive emission proponent practices regular maintenance of plant and similar measures will be practiced for proposed project.

Sr. No.	Name of Air Pollutant	Quantity of Air Pollutant Kg/Ton	Name of Scrubbing Agent	Quantity of Scrubbing Agent Kg/Ton	Name of Scrubbed Product	Quantity of Scrubbed Product Kg/Ton
Single Stage Scrubber						
1.	Ammonia gas + Carbon dioxide	88.4 (24.6+63.8)	Water	800	Ammonium Carbonate	888.4
Two Stage Scrubber						
2.	Hydrogen chloride (HCl Gas)	68.670	Water	200	Dilute HCl	268.67
3.	Chlorine (Cl ₂ Gas)	14.63	Caustic (NaOH)	260	Sodium Hypochloride	274.63

Water Environment

“ Average daily water consumption of unit will be about 322 KLD. The fresh water requirement of 74.2 KLD will be fulfilled through water supply system of MPAKVN water supply scheme and remaining water will be recycled from process using RO and MEE. There will be no extraction of ground water, so that no direct impact is found on ground water availability and quality in nearby surrounding area. The proposed project will lead to effluent generation of 258.3 KLD from different sources. The average waste water generation will be 258.3 KL/day. In, this one of domestic waste water generation is 10 KL/day and other is industrial effluent generation is 237.3 KL/day.

“ In the industrial two type of effluent is generated:

- a) Washing effluent: 48.5 KLD
- b) Concentrated effluent: 188.8KLD

“ In, 48.5 KL/day washing effluent send to PSF, ACF after going to RO system and 188.8 KL/day conc. effluent, washing 3 KL/day, Cooling 3 KL/day and Boiler blow down 5 KL/day of effluent will be treated in Effluent Treatment Plant. Treated effluent will be subjected to RO system followed by Multi effective evaporator to achieve zero liquid discharge. The entire waste water generated will be treated in unit's own Effluent Treatment Plant.

The unit has proposed ETP having primary treatment and Tertiary treatment before sending to RO system. RO permeate water will be recycled in next process and reject water will be send to MEE system. Proper storage facility will be provided for raw material and hazardous waste. Hence there will be no impact on ground water and surface water quality.

É Both RO Plant as well as MEE has been planned; what portion of the effluent shall be diverted to RO and MEE respectively has to clarify.

É We have planned for two RO systems (i) 50 KLD and (ii) 200 KLD and one MEE system of 60 KLD for Effluent treatment.

In, 50 KLD RO system, washing effluent will be treated and in 200 KLD RO system, Concentrated effluent will be treated. After both RO reject water is send to MEE system to achieve zero liquid discharge.

Sr. No.	Category	Wastewater Generation KL/Day	Remark
1.	Domestic	10	Sewage will be treated separately in STP. Treated sewage will be used for gardening purpose.
2.	Industrial		
	Process (Washing effluent + Conc. Effluent)	(48.5 + 188.8)	48.5 KL/day washing effluent send to PSF, ACF after going to RO system + 199.8 KL/day of effluent will be treated in ETP after RO and MEE.
	Washing	3	
	Boiler	5	
	Cooling	3	
Total (Industrial)	248.3		
Total (Industrial + Domestic)	258.3	Treated effluent will be subjected to R.O. system followed by Multi effective evaporator to achieve zero liquid discharge.	

Sr. No.	Category	Water Consumption (KL/Day)	Remarks
1.	Domestic	10	10 KL/day of fresh water from water supply scheme of MPAKVN.
2.	Industrial		64.2 KL/day of fresh water from water supply scheme of MPAKVN. 247.8 KL/day recovered water from R.O. System & MEE.
	Processing	269	
	Cooling	15	
	Boiler	25	
	Washing	3	
Total (Industrial)		312	
Total (Industrial Domestic) +		322	Fresh water: 74.2 KL/day + Recycled water: 247.8 KL/day

Sr. No.	Process stream	Washing effluent Quantity KL/day	Concentrated effluent Quantity KL/day	Remark
1.	Azo Pigment	5	12.2	
2.	Alpha Blue	0	0	No Effluent generated
3.	CPC Crude	24.21	175.19	
4.	CPC Green	19.27	1.48	
5.	Washing	--	3	Floor washing
6.	Cooling Tower	--	3	Blowdown
7.	Boiler	--	5	Blowdown
TOTAL		48.5	199.8	

SOLVENT RECOVERY FROM CPC CRUDE (BLUE) PLANT

- É Ortho Nitro Toluene (ONT) is the solvent to be used in the CPC crude process. Solvent is recovered completely under vacuum from Rotary Drier.
- É Plant will work efficiently with approx 98 to 99 % recovery.
- É Recovered solvent will be reused in next batch. There will no loss in the atmosphere.

É The 1 to 2 % solvent remains with products and finds its way in the effluent. The small amount is also recovered or lost from the system along with ammonium carbonate solution.

Solid / Hazardous Waste Management

Type of Waste	Source of Waste	Category	Quantity per Month	Method of Storage	Method of Disposal
Empty barrels	From Raw Material Consumption	33.3	250 Nos.	Stored at designated area having a RCC Coating	Reuse / Send back to vendor/ sell to MPPCB approved scrap dealer
Empty bags / Liner	From Raw Material Consumption	33.3	1000 Nos.	Stored in covered area	
E.T.P. Sludge/MEE residue	Waste Water Treatment Plant	34.3	5 MT / 20 MT	Stored in covered area	Dispose to approved disposal site of MPWMP (A Div. Of Ramky Enviro)
Used oil	Lubrication	5.1	500 Liter	Stored in covered area	To authorized oil processor
Carbon	Effluent Treatment Plant	35.3	1MT	Stored in covered area	In situ regeneration and/or send to regeneration to supplier

Green Area Development:

É The unit will plant 150 trees and shrubs in green belt area. Development of green belt with carefully selected native plant species is of prime importance due to their capacity to reduce noise and air pollution impacts by attenuation / assimilation and for providing food and habitat for local macro and micro fauna.

Sr. No.	Botanical Name	Common Name	Type
1.	Azadirachta indica	Neem	Tree
3.	Delonix regia	Gulmohar	Tree
4.	Diospyros melanoxylon	Tendu	Tree
5.	Emblica officinalis	Amla	Tree
6.	Eucalyptus hybrid	Mysore gum	Tree
7.	Ficus religiosa	Peepal	Tree
8.	Buteamonosperma	Palas	Tree
9.	Ficus virens	Pilkhan	Tree
10.	Madhuca longifoli	Mahwa	Tree
11.	Ficus glomerata	Goolar	Tree
12.	Anona squamosa	Sitaphal	Small Tree
13.	Artocarpus heterophyllus	Katahal	Tree
14.	Syzygium cumini	Jamun	Tree
15.	Tamarindus indica	Imli	Tree
16.	Terminali catappa	Jangli badam	Tree
17.	Aegle marmelos	Bel	Tree

The EMS and other submissions 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. The entire process area should be provided with doubled liner HDPE geo membrane system of thickness 1.5 mm and double leachate collection system for detection of any leachate.
2. Atleast eight numbers of Peizo-metric monitoring points should be provided all around the plant premises and their monitoring be done bi-monthly.
3. VOC detectors should be provided in all storage areas.
4. It should be zero discharge unit and no waste water is allowed to discharge outside of the plant premises.

5. MEE sludge and other hazardous wastes should be sent to CTSDf, Pithampur, Dhar.
6. Atleast 2.5 cm of first rain water should be passed through the ETP.
7. No ground water recharge pits be provided in the plant premises.
8. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
9. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
10. The exhaust of the vehicles used for the purpose of handling, lifting and transportation within the factory such as forklifts or trucks should be fitted with the approved type of spark arrester.
11. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
12. Dyke wall should be provided for storage of liquid materials. The dyke wall should be off 1.5 times higher than the quantity of stored materials.
13. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
14. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
15. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
16. Recent MSDS of all the chemicals be displayed at appropriate places.
17. Two on-line monitoring systems for ambient air quality should be provided.

23. Case No. 3388/15 Shri Rajesh Chouhan S/o Shri Satya Narayan Chouhan (Patel) R/o Sukh Niwas, Tehsil & District-Indore (MP)-452001 Prior Environment Clearance for approval of Stone Quarry in an area of 3.00 ha. (75,000 cum/year) at Khasra No.-13/3, Village-Pipalkhunt, Tehsil-Mhow, District-Indore (MP)

This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-13/3, Village-Pipalkhunt, Tehsil-Mhow, District-Indore (MP) 3.00 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. 500 dated: 26/5/2015, has reported that there is 07 more mines operating or proposed within 500 meters around the said mine total land area 17.18 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

1. Production of Stone not exceeding 50,000 m³/Year with depth restriction of 12 meters as this is an existing excavated mine & considering the area of pit, mineral reserves and balance lease period, the quantity has been reduced for safe and sustainable mining.

24. Case No. 3398/15 Shri Ashok Etalkar S/o Shri Devram Etalkar R/o MIG-398, Ram Nagar, District-Khandwa (MP)-450001 Prior Environment Clearance for approval of Stone/Murram Quarry in an area of 4.00 ha. (Stone-23,400 & Murram-2,600 cum/year) at Khasra No.-56, Village- Rundhy, Tehsil-Khandwa, District-Khandwa (MP)

This is case of Stone/Murram mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-56, Village- Rundhy, Tehsil-Khandwa, District-Khandwa (MP) 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. Concerned Mining Officer vide letter no. 6634 dated: 15/6/2015, 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

1. Production of Stone not exceeding 23,400 m³/Year & murram 2,600 m³/Year as per mine plan.

25. Case No. 3330/15 Shri Prabhat Kumar Pathak, Sr. Manager, C/o Dilip Buildcon Ltd., Bhopal (MP)-462016 Prior Environment Clearance for approval of Stone

Quarry in an area of 3.410 ha. (2,00,000 cum/year) at Khasra No.-676, 677, 688, 689, 678, 679, Village-Khajuriya, Tehsil-Majholi, District-Sidhi (MP)

This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-676, 677, 688, 689, 678, 679, Village-Khajuriya, Tehsil-Majholi, District-Sidhi (MP) 3.410 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.394 dated: 22/4/2015, has reported that there is no more mines operating or proposed within 500 meters around the said mine. PP has got temporary permit which is valid for one year only.

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

1. Production of Stone not exceeding 2,00,000 m³/Year as per mine plan.

Discussion on the site visit reports

- 1. Case No. 1818/2014 – Shri Nirmal Somani S/o Shyam Sunder Somani, Town & District-Alirajpur (MP) Prior Environment Clearance for approval of proposed River Sand Quarry in an area of 05.520 ha. at Village-Choti Wegalgaon, Tehsil-Sondhwa, District-Alirajpur (MP)**

The case was discussed in 177 SEIAA meeting. It was noted through google map view that there is a Baraj at a distance of about 370 meters. In this context, it was decided by the SEIAA to send the case to SEAC to assess the impact of proposed mining activity on the Baraj. As decided, Shri K. P. Nyati, Member of SEAC, visited the site on 17/08/2015. The site visit report is enclosed as Annexure-2.

As per site inspection report:-

“It is not a “Baraj” and actually it is a Pickup weir provided with fifteen number one meter high gates to retain water. This pick up weir is located about 550 meters upstream from the mining lease and has very little submergence area. This pickup weir is used by local farmers for irrigation purposes. Since the mining lease area is about 550 meters downstream of pick up weir, no adverse impacts due to mining activity on pickup weir are envisaged “.

As per the above inspection report, the committee adheres to its recommendations made in 162 SEAC meeting dated 23/12/14.

2. **Case No. – 2808/2015 Shri Amit Mishra, Owner, M/s Mishra Enterprises, Ganesh Patil, 85, Gita Dutta Nagar, Near Sanjay Nagar, Burhanpur (MP)-450331 River Sand Quarry (at Tapti Nadi) Lease Area- 6.00 ha., Capacity - 1,10,000 cum/year, at Khasra No. – 122, (Gavhana), 318 (Sirsida), 52 (Hatnur), 01 (Bhatkheda), Village-Gavhana, Sirsoda, Hatnur, Bhatkheda Tehsil-Burhanpur, District- Burhanpur (MP)**

The case was discussed in 198 SEAC meeting dated 04/06/2015 wherein it was noted through google map that mining lease area is surrounded on both sides by the water course and a path has been constructed for excavation of the sand. Since “No in stream mining shall is allowed” and as per the image submitted by the PP a path has been constructed, the committee decide to carry out an inspection of the site by the members of the SEAC to verify the facts. As decided, Shri K. P. Nyati, Member of SEAC, visited the site on 18/08/2015. The site visit report is enclosed as Annexure-3.

As per site inspection report:-

This site is about 12 Kms away from the Burhanpur City which is approachable through a metal road till the site immediately at the end of the bridge over the Tapti River. The proposed sand mine is on Tapti River which is approx. 400 meters away from the metal road and is approachable through kachha road. The topography of the area is mostly plain and entire area is covered with sand. The sand mining will be done by open semi mechanized method of mining wherein the sand is to be excavated and transported to the approach road

manually/by trolleys and from there it can be transported by truck/dumper. During site visit, plenty of sand was available on this bank of the river and as informed by the local residents, 2-3 more floods are still expected till the end of the monsoon season.

As far as mining is concerned, this is a peculiar site where both types of sand is available i.e. fine sand on the banks of the river and gravel sand in the riverbed. Fine sand can be excavated directly from the site while gravel sand is to be screened on site first and then can be used for the designated activities. The mine site can be easily approachable through the banks of the river during non-monsoon season when the flood water recedes. The bridge on Tapti River is about 400 m away and is on the upstream of mine lease area.

In view of above site visit, 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 sand not exceeding 1,10,000 m³/Year as per mine plan.

3. Case No. 2011/14– M/s Manishi Shrivastava, M/s Umbra Mining Pvt. Ltd., Village-Rewti Range, Tehsil-Samber, District-Indore (MP) Prior Environment Clearance for approval of proposed Basalt Stone Quarry in an area of 2.560 ha. at Village-Jalakhedi, Tehsil-Ujjain, District-Ujjain (MP).

This is a case of prior Environment Clearance for approval of proposed Basalt Stone Quarry in an area of 2.560 ha. at Village-Jalakhedi, Tehsil-Ujjain, District-Ujjain (MP). 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. PP has reported that the pit formed after mining shall be developed into a water body. Concerned Mining Officer vide letter no. 610 dated 01/10/2014 has reported that 11 more mines are operating /proposed within 500 meters around the said mine the total lease area being 20.56 Ha. Tehsildar has reported a primary school and habitation within 500 meters although PP has reported that there is no habitation with 500 meters from the project boundaries.

The case was discussed in the 185th. meeting of SEAC scheduled on 29/04/2015 and in view of the Tehsildar's statement on presence of Primary School / Habitation and in the light of the higher production it was decided by the committee to visit the site before final recommendations in the matter. As decided, Shri Manohar K Joshi and Shri R. Maheshwari, Member of SEAC, has visited the site on 05/07/2015. (Annexure-4)

As per site inspection report:-

"This is a mine lease of Basalt Stone Quarry in an area of 2.560 ha. The site is approx. 1.00 Kms away from the Ujjain - Badnagar Highway and the mine is connected to this highway through a kachha village road and the distance is approx 750 meters. No water body seen in the nearby area except an old mined pit of about 20 meter depth which was having plenty of water at the time of inspection. Crushing operations are not proposed on this site. The topography of the site is hilly about 25 meters above the ground level and as stated by the mine owner, mining is proposed above the ground level.

The main purpose of this visit was to verify the location of Primary School and habitation within 500 meters as stated by the tehsildar in his certificate. As per visual observations, primary school is about 600 meters away from the site and village Jalalkhedi is further 750 meters away from the site. The wind direction at the time of inspection was from west to east and the school and jalalkhedi village are in west direction.

During site inspection, no other activities could be seen in and around the site and the site is suitably away from human settlements, water body, highway and forest area and thus no adverse effects envisaged due to this mining activity. However, PP can be asked to carryout extensive plantation near village road to avoid fugitive emission due to transportation of minerals".

In view of above site visit, 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 not exceeding 1,50,000 m³/Year considering the area of pit, mineral reserves and balance lease period, the quantity has been reduced for safe and sustainable mining with depth restriction of 20 meters.

4.

Case No. – 3227/2015 Mr. Praveen Shrivastava, Business Head, M/s D.B. Infrastructures Pvt. Ltd., 117, First Floor, Shagun Arcade, Vijay Nagar, Indore (MP)-452010 Prior Environment Clearance for approval of proposed "DB Pride" Residential Township Project at Village-Talawali Chanda, Tehsil-Indore, District-Indore (MP).

The project falls under category 8(a) of the Schedule of EIA Notification, hence requires prior EC before commencement of any activity on site. The case was presented before the committee by the PP and his consultant. D. B. PRIDE Residential Township Project is proposed on an area of 75060.00 sq. m. (7.5060 Hectare), area under road widening 5718.00 Sq. m., area reserve for Future Expansion area 14401.00 Sq. m., Net Planning area of the proposed project is 54941.00 Sq. m. and has a built up area of 71897.20 Sq. m. The proposed total water requirement is 672 KLD (Fresh Water 316 KLD plus 356 KLD) (as per From-1) which will be met from bore well and public supply. Out of that 301 KLD shall be used for the domestic purpose while 175 KLD for sanitation, 15 KLD for makeup water for swimming pool, 70 KLD for HVAC, 111 KLD for Plantation / Horticulture requirement and 19 KLD Excess treated water will be use for watering of municipal road side green area. The total power requirement for the proposed project will be 2259 KW and 1000 KVA DG Sets will be installed in case of power failure.

The submissions and the presentation revealed following aspects of the project:

Total Land Area - 75060.00 sq. m. (7.5060 Hectare),
Net Planning area of the proposed project - 54941.00 Sq. m.,
Total Built Up Area- 71897.20 Sq. m. (Building Construction).

The salient features of the project include: development of Residential complex such as Duplexes, EWS and green area.

PROJECT DETAILS:

Items	Details
Project Name	Proposed "DB Pride" Residential Township Project
Location	Project site is located at Land Bearing No. 36/1/3, 36/1/1, 37/2/1, 39/3, 22/3/2/1, 38/2/1, 43, 22/3/1/1, 22/3/1/2, 38/1/1 Dainik Bhaskar, Village- Talawali Chanda, Tehsil and District- Indore, Madhya Pradesh.
Type of project	Residential Township Project
Plot area	75060.00 sq. m. (7.5060 Hectare)
Area under road widening	5718.00 sq. m.
Future Expansion	14401.00 sq. m.

area	
Net Planning area	54941.00 sq. m.
Total Built up area	71897.20 sq. m (Consumed FAR 43656.18 + Non FAR 12529.65 + basement 12018.37 + LIG 1923.04 + EWS 1769.96)
Ground coverage	Permissible: 16482.30 sq. m. (30 % of Net Plot Area) Proposed: 7461.4316 sq. m. (13.58% of Net Plot Area)
F.A.R.	Permissible: 116159.75 sq. m. (1.75) Proposed: 43656.18sq. m. (0.38)
Maximum height	30 meters
Number of floors	1Basement + Stilt Floor + 10 Upper Floors
Number of Dwelling units	Total Unit- 633 520 M. D. Unit + 45LIG + 68 E. W. S
Parking facilities	Required Parking = 437 ECS Provided Parking : = 857 ECS
Power requirement & source	2259 KW, it will be sourced from Madhya Pradesh Electricity Board.
Power backup	1000 KVA (2X500 KVA capacities). Operate in case of power failure only. D.G Sets will be used for Common Lighting, lifts, utilities and outdoor lighting.
Water Requirement	672 KLD (Fresh Water 316 KLD plus 356 KLD)
STP Capacity	STP of 800 KLD capacity (2 x 400 KLD)
Population	4238 (Residential - 3165+ Floating - 1073)
Solid Waste	Total 1692.50 kg/day (Residential- 1424.25 kg/day + 268.25 kg/day)
Green-area	Total Green area 18500.17sq. m. (33.67% of net planning area)
Project Cost	149.75 Crores

DETAILS OF APPROVALS OBTAINED / APPLIED FOR

- T & CP Approval / planning permission approved by Town and Country Planning Deptt. (Vide No.6366/INDLP-327/14/DMD/u-xzk-fu-/2014, Indore, dated 22/08.2014).
- CGWA NOC obtained vide letter no. 21-4(150)/NCR/CGWA/2013-1202, dated: 05.08.2014 for abstraction 440 KLD Ground water.

DWELLING UNITS DETAILS:

- **Total Number of Dwelling Units – 633 Units**
- Main Dwelling Units - 520 Units
- LIG Units - 45 LIG
- EWS Units - 68

PARKING DETAILS / CALCULATION:

PARKING REQUIRED:

No. of ECS Required = FAR (Residential Unit) / 100
= 43656.18/100
= 437 ECS
20% Visitor Parking = 87 ECS
Total Required Parking = 437 + 87 = 524 ECS

PROVIDED PARKING:

S. No.	Description	Parking Area (sq m)	No. of ECS
1.	Surface parking @25 sq. m.	8775.00 Sq. m	351
2.	Stilt Parking @30 sq. m.	6720.00 Sq. m	224
3.	Basement parking @35 sq. m.	9870.00Sq. m	282
Total No. of ECS			857 ECS

Water/ Waste water Details

The total water requirement is 672 KLD (Fresh Water 316 KLD plus 356 KLD) (as per From-1) which will be met from bore well and public supply. Out of that 301 KLD shall be used for the domestic purpose while 175 KLD for sanitation, 15 KLD for makeup water for swimming pool, 70 KLD for HVAC, 111 KLD for Plantation / Horticulture requirement and 19 KLD Excess treated water will be use for watering of municipal road side green area.

Water/ Waste water Details

Total Water Requirement = 672 KLD (316 KLD Fresh + 356 KLD Recycled)			
Fresh Water 316 KLD	<i>Domestic Water Required 301 KLD</i>		<i>Fresh Makeup Water Required for Swimming Pool 15 KLD</i>
Recycled Water 356 KLD	<i>Flushing of Toilets 175 KLD</i>	<i>HVAC Water Cooling 70 KLD</i>	<i>Green Area Development 111 KLD</i>
Source of water - Ground water through bore wells			
STP Capacity -800 KLD (2 x 400 KLD)			

Source of water supply

1. In construction phase, water supply will be form the private tanker suppliers and treated water from nearby colony if available. .
2. The Main source of water supply in operation phase will be ground water. It will cater the domestic requirement whereas additional water requirement for flushing,

landscaping and washing will be fulfilled by treated water from STP.

ENVIRONMENT MANAGEMENT PLAN

STP Details

FAB based Capacity: 800 KLD (2 x 400 KLD)

Rainwater Harvesting

It is informed that total 12 pits shall be provided for total runoff water in the project.

CONSTRUCTION DEBRIS

- Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.
- Construction contractors shall remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

OPERATION PHASE

SOLID WASTE MANAGEMENT

- The type of solid waste generated from the project activity will be only the domestic.
- Total Solid Waste generated from Project (Residential & visiting population) will be 1692.50 kg/day (Residential population: 1424.25 kg/day, floating population: 268.25 kg /day & Sludge from STP 25 Kg/day). Base of calculation @ 550 gm./person/day for residential and 250 gm/person/day for floating population.
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules.
- An area has been allocated / earmarked within site for storage & segregated of municipal waste generated from site.
- The sewage sludge generated from STP will be converted into an odorless soil conditioner after digestion and used as manure for gardening purposes.
- Waste storage bins will be provided for wet and dry garbage. The same shall be segregated and stored in bins.
- Biodegradable & Non-Biodegradable waste will collect at a single location within our campus and we will transport this collected solid waste to municipal solid waste disposal site.

WATER MANAGEMENT

- The total water requirement for the proposed project is 672 KLD, which includes fresh water (316 KLD) and recycled water (356 KLD) and waste water generated from the project will be about 416 KLD, which shall be treated in STP of Capacity 800 KLD (2 x 400 KLD).

- The treated water obtained from STP will be 375 KLD out of which 111 KLD will be utilized for the purpose of green area development, 175 KLD for flushing of toilets, 70 KLD water will be use in HVAC Cooling and rest 19 KLD Excess Treated Water will be drain into Municipal sewage system, which permission will be taken from the Municipal Authority or this excess treated water will be use for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works .
- The waste water generated will be treated in Sewage Treatment Plant by Primary, Secondary Treatment and Tertiary Level.
- Rain water harvesting system will be established within the premises to recharge ground water and this will stop excess drainage out-side the project.

AIR ENVIRONMENT

- All the DG sets shall have appropriate stack height as per the CPCB (0.2 X ç KVA from the roof top) guidelines.
- All the private vehicles will be asked to have updated PUC (Pollution Under Control) certificate.
- In addition, to minimize the noise propagation and to arrest dust particulates sufficient green belt area (18500.17 sq. m.) has been earmarked, which is 33.67% of the net planning area. Plantations would be of large leaf trees that provide adequate shade and are semi-evergreen to evergreen. Local and ornamental trees will be planted.

NOISE POLLUTION

- Proper road network has been designed as per the prevailing guidelines for smooth operation of traffic; impact in noise level due to the operational traffic will be negligible.
- All the DG sets will be as per the E(P) Rule and noise level from the DG sets will be as per the prevailing standards. The sound control system designed to suppress the sound level to 75 dB maximum at 1 meter distance in open free field environment as per ISO 8528 part 10.
- D.G. sets will be kept in acoustic enclosures/rooms & will be built in Damper for anti-vibration and will be used during event of power failure only
- The landscape design along the periphery of the plot will be developed to achieve attenuation factor conforming to noise standards.
- The open spaces inside the plot is suitably landscaped and covered with vegetation to reduce the impact of noise.
- Provision of silencer, padding at equipment / machinery used during construction to modulate the noise generated.
- Provision of protective device like ear muff/plugs to the workers.
- Regular maintenance of vehicles & machinery would be taken up.

ENERGY CONSERVATION MEASURES

- Passive Solar designs refer to the use of Sunø energy for the heating and cooling of living spaces.
- The orientation of the building will be done in such a way that maximum daylight is available.
- The orientation of the building would be done in such a manner that most of glazed areas in north and east.

- Landscape and green areas will be so spaced so as to cool the surrounding environment, which will reduce energy consumption.
- Public areas will be cooled by natural ventilation as opposed to air conditioning.
- Lesser opening will be provided on the west facing walls.
- Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
- Use of CFL will be done in place of tube lights.
- Installation of solar photovoltaic cells for street lighting system will be assessed.

FIRE & SAFETY MEASURES

- Fire Fighting Designed: As per National Building Code (NBC) 2005.
- Fire System shall cover the following:
 - (i) External Fire Hydrant System
 - (ii) Wet Riser System
 - (iii) Portable Fire extinguisher
 - (iv) Sprinkler System
- Fire Tender route will be given with access to each Tower.
- Provision of fire escape staircase.
- External yard hydrants in galvanized steel fire hose cabinet (weather proof).
- Fire Sprinklers & Fire Alarm system.
- Fire fighting equipments will be divided into water & Foam based fire fighting depending upon the nature of fire.

LAND SACPE PLAN

- Green area will be developed in an area of 18500.17 sq. m. (33.67%) of the net planning area.

The case was discussed in the 206th SEAC Meeting dated 21/07/2015. After deliberations the PP was asked to submit following information along with the supporting documents.

1. Copies of all the permissions obtained from TNCP (with approved lay-out of 17105 m²) and MPPCB with built-up area details of earlier planning clarifying the reasons for part permissions and construction.
2. Two STPs ϕ are proposed in the project; details of the same with concept of treatment and capacities etc.

3. Plantation scheme with depiction on lay out. PP has submitted the above mentioned information.

The same was scrutinized by the committee in this meeting. It was observed that the information pertaining to point no. 2 and 3 are satisfactory and acceptable. However, the information on earlier approvals needs further clarification. PP is requested to submit the building permissions pertaining to the built-up area of 1705 m² for which CTE from MPPCB has been obtained. If required, site visit may be taken up by the committee to assess the present status of construction in the project.

The case was discussed in 213th SEAC meeting dated 08/08/2015 wherein PP was requested to submit the building permission pertaining to the built-up area of 1705 square meter for which CTE from the MPPCB has been obtained. If required, site visit may also be taken up by committee to assess the present status of construction in the project. As decided, Shri K. P. Nyati, Member of SEAC, visited the site on 18/08/2015. The site visit report is enclosed as Annexure-5.

As per site inspection report:-

“It is a residential township project which is located about 10 Kms away from Indore at Village- Talawali Chanda, Tehsil and district- Indore, MP. The project site is located approx. 500 mts away from NH 3 and 10.00 kms from NH 59.

PP did not apply for the prior EC as the built up area was less than 20,000 sq.m. The PP has started construction as per the consent from the M. P. Pollution Control Board which was for 17105 sq. m.. PP has also submitted the copy of consent obtained from the Board vide letter no 846 dated 01/02/2013. Now PP has proposed built up area of 71897.20 sq.m. and thus has applied for the EC.

The site inspection reveals that as per the earlier consent from M. P. Pollution Control Board, the PP has only constructed basement of a single block of about 2000 sq. m. which visually appears to be a year old construction filled with rainy water and in the remaining area no construction activities could be seen. A temporary site office has been erected which will be demolished as the

construction completed. The inspection also revealed that PP has not started any construction work in the second phase and no construction activities were noticed at the time of inspection”.

Response to the above queries was submitted by the PP and the same was placed before the committee. The submissions made by the PP were found to be satisfactory and acceptable. Thus based on the same 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 316 KLD.
2. The excess treated water will be use for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
3. Possibility be explored to install solar water heaters 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. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. CFL should be preferred in place of tube lights.
8. Installation of solar photovoltaic cells for street lighting system should be provided.

5. Case No. – 1111/2013 M/s OCL India Limited, Mr. D.D Atal (Owner), Village – Mugdara, Tehsil- Nainpur, Distt- Mandla,(M.P) Mugdara Dolomite Mines with crusher at Khasra No. – 807/1, 808/2 & 811/1, Village – Mugdara, Tehsil – Nainpur, Distt. – Mandla (M.P.) Lease Area- 19.223 ha., Capacity – 48000 TPA.

This is a mining project in an area of 19.223 ha, the minerals proposed for mining is Dolomite with production capacity of 48000 TPA. The project falls under category B-1 of the schedule of EIA Notification and requires prior EC under the provisions of said notification at that time . TOR was issued by SEAC vide letter dated 25/04/2013. The project was submitted for environment clearance in view of lease renewal as lease expired in May 2014. The proposal was examined carefully and apprised before SEAC in its 155th meeting dated 11th November 2014 and recommended to SEIAA for grant of environment clearance for the project with one of the specific condition.

The above case was recommended in the 155 SEAC Committee meeting dated 11/11/ 2014, wherein the case was recommended with following conditions:-

1. Forest Clearance shall be obtained and submitted to the authority.
2. Early stabilization of all new dumps to be taken up.
3. Re handling of dump should be taken carefully to avoid spillage towards agricultural field.
4. Back filling need to started on concurrent basis as soon as mining resumes its operation.
5. Proper slope and benches with retaining wall for the dumps is suggested to prevent spillage of waste to agricultural land.
6. About 4.948 ha area proposed to be converted as water reservoir shall be developed with proper benches, fencing and aesthetics.
7. The existing garland drains towards Banjar River have to be re-designed keeping in view the future exploitation. The dumps in this region shall be stabilized on priority.
8. All suggestions made in the EMP have to be executed as essential conditions.

The above case was placed in the 223rd. meeting of SEIAA wherein it was decided that:-

“After detailed discussion, perusal of query response 186th SEIAA meeting dated: 2/3/2015, recommendations of 15th SEAC meeting dated: 11/11/2014 and PP

reply dated: 8/7/2015, it was noted that Ministry of Law and Justice has published (The Mines and Mineral (Development and Regulation) amendment Ordinance, on 12/1/2015) in the Gazette of India regarding lease period of grant of mining lease and consequent upon the said ordinance the MoEF & CC has issued a L.No. 11-51/2015-FC dated: 01/4/2015 regarding diversion of Forest Land wherein it is mentioned that the validity of approval accorded under section 2 of the FC Act shall be co-terminus with the period of mining lease. In context of this it was decided to sent back the case/technical file to SEAC for re-appraisal”.

The case was placed for discussion in today SEAC meeting on following ground:-

- A. **Govt** of India has brought the MMDR amendment ordinance on 12.01.2015 for the extension of lease period of the leases in the country. Afterward a circular issued by Ministry of Environment , Forest & Climate Change, New Delhi regarding **extension of forest clearance for mining project** in accordance with the ordinance issued by Govt of India for extension of mining lease. The point 3 of circular is being quoted for reference

in case of existing mining lease in respect of mineral specified in sub section (1) of section A of the MMDR Act 1957 as inserted by the mines and mineral (development & regulation) amendment ordinance, 2015 period of validity of approvals accorded under section -2 of the FC Act shall be extended and shall be deemed to have been extended up to a period co-terminus with then periods of mining lease in accordance with the provision of MMDR act 1957 as amended “

In the light of above circulars and ordinance, renewal of earlier forest clearance is not required at this stage as the lease and the forest clearance are now renewed as per the provision made in the ordinance.

Since the case does not required forest clearance for the further period of lease and it will be co-terminus with the extended period of mining lease, the condition for obtaining forest clearance put down in earlier recommendation

(155th meeting dated 11.11.2014) is withdrawn hereby and committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Early stabilization of all new dumps to be taken up.
2. Re handling of dump should be taken carefully to avoid spillage towards agricultural field.
3. Back filling need to be started on concurrent basis as soon as mining resumes its operation.
4. Proper slope and benches with retaining wall for the dumps is suggested to prevent spillage of waste to agricultural land.
5. About 4.948 ha area proposed to be converted as water reservoir shall be developed with proper benches, fencing and aesthetics.
6. The existing garland drains towards Banjar River have to be re-designed keeping in view the future exploitation. The dumps in this region shall be stabilized on priority.
7. All suggestions made in the EMP have to be executed as essential conditions.

6. Case No. – 2583/2015 Mr. S.K. Arora, Director, M/s MNT Infratech Pvt. Ltd., Plot No. 30, Institutional Area, Sector-32, Gurgaon 122002 (Haryana). Proposed Residential Project "Asteria" at Khasra No. – 2, 3, 5, 6, 7, 10, 13/1, 14/1, 29, Village Pipelia Kasho, Teh.-Huzur, Distt.-Bhopal (M.P.) Total Project Area- 75160.71 m² (7.52 ha.) Total Built up Area- 42466.23 m².

The case was considered in the 213th. Meeting of SEAC dated 08/08/15 and the case was recommended for grant of prior EC subject to the special conditions but the special conditions could not be mentioned in the minutes due to typographical error. However, the following special conditions can be sent to SEIAA for mentioning in the prior EC of this particular project:

1. Fresh water requirement for the project shall not exceed 140.1 KLD.
2. The excess treated water will be use for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.

3. Peripheral plantation all around the project boundary shall be carried out using tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
4. Dual plumbing should be provided for entire project.
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. Installation of solar photovoltaic cells for street lighting system should be provided.

Meeting ended with thanks to the Chair and the members.

[Dr. R.B. Lal, Chairman]

[A.A. Mishra, Secretary]