

153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-1) Meeting Date July 25, 2018

Subject: Environment Clearance for Industrial Project- Synthetic Organic Chemical Manufacturing unit

Is a Violation Case: No

| | |
|--|---|
| 1.Name of Project | M/s. Harsika Enterprises |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Mahesh Chanchlani |
| 4.Name of Consultant | S G M Enviro (I) Pvt. Ltd. |
| 5.Type of project | Industrial Project- Synthetic Organic Chemical Manufacturing unit |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No. Not Applicable |
| 8.Location of the project | G-2, Additional MIDC, Jejuri, Pune, Maharashtra |
| 9.Taluka | Purandar |
| 10.Village | Jejuri |
| Correspondence Name: | Mr. Mahesh Chanchlani |
| Room Number: | - |
| Floor: | 2nd floor |
| Building Name: | Gopi Niwas |
| Road/Street Name: | Garpure colony |
| Locality: | Shivaji Nagar |
| City: | Pune |
| 11.Area of the project | Industry is in MIDC, Jejuri |
| 12.IOD/IOA/Concession/Plan Approval Number | Building completion certificate has been received from MIDC |
| | IOD/IOA/Concession/Plan Approval Number: Not Applicable |
| | Approved Built-up Area: 1213.50 |
| 13.Note on the initiated work (If applicable) | Not Applicable. No new construction. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | MIDC plot possession letter has been obtained |
| 15.Total Plot Area (sq. m.) | 5025.00 sq. m |
| 16.Deductions | Not applicable |
| 17.Net Plot area | Not applicable |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): Not applicable |
| | b) Non FSI area (sq. m.): Not applicable |
| | c) Total BUA area (sq. m.): |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): |
| | Approved Non FSI area (sq. m.): |
| | Date of Approval: |
| 19.Total ground coverage (m2) | Not applicable |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | Not applicable |
| 21.Estimated cost of the project | 9100000 |

22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
|---------------|------------------------|------------------|-------------------------------|



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 1 of 45



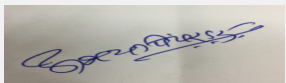

Dr. Umakant Dangat (Chairman SEAC-I)

| | | | |
|--|---|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable |
| 23.Number of tenants and shops | Not applicable | | |
| 24.Number of expected residents / users | Not applicable | | |
| 25.Tenant density per hectare | Not applicable | | |
| 26.Height of the building(s) | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 30 m | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 m | | |
| 29.Existing structure (s) if any | Yes. At present there is an existing unit producing Formulations of water treatment chemicals & equipments. Same machinery will be used for proposed project. | | |
| 30.Details of the demolition with disposal (If applicable) | Not applicable | | |

31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|---|-----------------|-----------------|--------------|
| 1 | Succinic Acid/Anhydride | 0 | 100 | 100 |
| 2 | Succinimide and derivative | 0 | 5 | 5 |
| 3 | Succinic acid & anhydride derivative | 0 | 15 | 15 |
| 4 | Hydrogenated Carboxylic acids like benzoic ,cinnamic etc. | 0 | 20 | 20 |
| 5 | Succinic anhydride derivatives | 0 | 10 | 10 |
| 6 | Co-product - Spent Acid | 0 | 220 | 220 |
| 7 | Co-product - Spent Solvents | 0 | 50 | 50 |


32.Total Water Requirement

| | | | |
|--|---|---------------------|--|
|  Abhay Pimparkar (Secretary SEAC-I) | SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018 | Page 2 of 45 |  Dr. Umakant Dangat (Chairman SEAC-I) |
|--|---|---------------------|--|

| | | |
|--|---|--------------------------------------|
| Dry season: | Source of water | MIDC |
| | Fresh water (CMD): | Existing - 3 CMD, Proposed - 6.3 CMD |
| | Recycled water - Flushing (CMD): | 0 |
| | Recycled water - Gardening (CMD): | 0 |
| | Swimming pool make up (Cum): | 0 |
| | Total Water Requirement (CMD) : | Existing - 3 CMD, Proposed - 6.3 CMD |
| | Fire fighting - Underground water tank(CMD): | 30 CMD |
| | Fire fighting - Overhead water tank(CMD): | 10 CMD |
| | Excess treated water | 0 |
| Wet season: | Source of water | MIDC |
| | Fresh water (CMD): | Existing - 3 CMD, Proposed - 6.3 CMD |
| | Recycled water - Flushing (CMD): | 0 |
| | Recycled water - Gardening (CMD): | 0 |
| | Swimming pool make up (Cum): | 0 |
| | Total Water Requirement (CMD) : | Existing - 3 CMD, Proposed - 6.3 CMD |
| | Fire fighting - Underground water tank(CMD): | 30 CMD |
| | Fire fighting - Overhead water tank(CMD): | 10 CMD |
| | Excess treated water | 0.8 CMD |
| Details of Swimming pool (If any) | Not applicable | |


33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | 1 | 0.3 | 1.3 | 0.2 | 0.05 | 0.25 | 0.8 | 0.25 | 1.05 |
| Industrial Process | 0.5 | 5 | 5.5 | 0 | 4.5 | 4.5 | 0.5 | 0.5 | 1 |
| Cooling tower & thermopack | 0.5 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gardening | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 0 | 0 |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 3 of 45

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | | | | | | |
|-------------------------|---|-----|-----|-----|------|------|-----|------|------|
| Fresh water requirement | 3 | 6.3 | 9.3 | 1.2 | 5.55 | 6.75 | 1.3 | 0.75 | 2.05 |
|-------------------------|---|-----|-----|-----|------|------|-----|------|------|

| | | |
|---------------------------------------|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 80-90 m |
| | Size and no of RWH tank(s) and Quantity: | At present there is 01 no. of rain water harvesting storage tank. |
| | Location of the RWH tank(s): | Ground |
| | Quantity of recharge pits: | Not Applicable |
| | Size of recharge pits : | Not Applicable |
| | Budgetary allocation (Capital cost) : | Not Applicable |
| | Budgetary allocation (O & M cost) : | Not Applicable |
| | Details of UGT tanks if any : | A tank of 30 CMD is there as a fire fighting water storage facility |

| | | |
|--------------------------------|--|------------------------|
| 35.Storm water drainage | Natural water drainage pattern: | - |
| | Quantity of storm water: | - |
| | Size of SWD: | SWD of 2 foot diameter |

| | | |
|-------------------------------|---|-------------------------------------|
| Sewage and Waste water | Sewage generation in KLD: | Existing-0.8 CMD, Proposed-0.25 CMD |
| | STP technology: | Septic tank & soak pit. |
| | Capacity of STP (CMD): | Not Applicable |
| | Location & area of the STP: | Not Applicable |
| | Budgetary allocation (Capital cost): | Not Applicable |
| | Budgetary allocation (O & M cost): | Not Applicable |

36.Solid waste Management

| | | |
|---|---|--|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Not Applicable |
| | Disposal of the construction waste debris: | Not Applicable |
| Waste generation in the operation Phase: | Dry waste: | Negligible amount of dry waste will get generated |
| | Wet waste: | Not Applicable |
| | Hazardous waste: | ETP sludge: -0.05 TPM, Organic Compounds - 50 Kg/M |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | Not Applicable |
| | Others if any: | Not Applicable |

| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Will be given to authorized dealers. |
| | Wet waste: | Not Applicable |
| | Hazardous waste: | Hazardous waste will be Sent to CHWTSDF |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | Not Applicable |
| | Others if any: | Not Applicable |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | Negligible amount of waste will get generated from the proposed activity. Dry waste will be segregated & sent to authorized dealer, Biodegradable waste will be used as manure. Hazardous waste will be sent to CHWTSDF. |
| | Area for machinery: | Not Applicable |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Not Applicable |
| | O & M cost: | Not Applicable |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------|--|--------------------------------|---------------------------------|-------------------------------------|
| 1 | pH | - | 3-5 | 5.5-9 | 5.5-9 |
| 2 | BOD | mg/lit | <300 | <100 | <100 |
| 3 | COD | mg/lit | <650 | <250 | <250 |
| 4 | TDS | mg/lit | <1000 | <1000 | <2100 |
| Amount of effluent generation (CMD): | | Existing- 0.5 CMD , Proposed- 0.5 CMD | | | |
| Capacity of the ETP: | | 1.5 CMD | | | |
| Amount of treated effluent recycled : | | 0 | | | |
| Amount of water send to the CETP: | | 0 | | | |
| Membership of CETP (if require): | | Not Applicable | | | |
| Note on ETP technology to be used | | Physicochemical treatment will be provided | | | |
| Disposal of the ETP sludge | | ETP sludge will be sent to CHWTSDF | | | |

38. Hazardous Waste Details

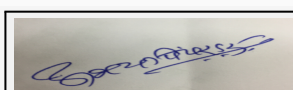
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-------------|-----|-----|----------|----------|-------|--------------------|
| 1 | ETP sludge | - | TPM | 0 | 0.05 | 0.05 | CHWTSDF |

39. Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|---|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1 | 1 No. of proposed Boiler of 500kgs/hrs Capacity | LDO - 5000 lit/M | 1 | 20 | 0.4 | 160 |

40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|----------|----------|-------|
|---------------|--------------|----------|----------|-------|



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 5 of 45



Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | |
|---|-----|---|------------------------------------|-------------|
| 1 | LDO | LDO for Thermic fluid heater - 5000 lit/M | LDO for proposed Boiler 5000 lit/M | 10000 lit/M |
| 2 | HSD | HSD for DG set - 6 litre/hr | Not Applicable | 6 litre/hr |
| 41.Source of Fuel | | Local Vendor | | |
| 42.Mode of Transportation of fuel to site | | By Road | | |

| | | |
|----------------------------------|--|---|
| 43.Green Belt Development | Total RG area : | 1658.25 Sq.m |
| | No of trees to be cut : | 00 |
| | Number of trees to be planted : | At present, 50 No. of trees have been planted in industrial premises. In addition to which 198 extra trees will be planted. |
| | List of proposed native trees : | Please refer point no. (vi) |
| | Timeline for completion of plantation : | Approximately 1 year |

44.Number and list of trees species to be planted in the ground


| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-------------------------|-----------------|----------|---|
| 1 | Saraca asoca | Ashoka | 40 | Evergreen, long lived , Native. |
| 2 | Azadirachta indica | Neem | 20 | Evergreen, Native, Non-flowering |
| 3 | Ficus religiosa | Peepal Tree | 18 | Deciduous, Evergreen , used as traditional medicine |
| 4 | Delonix regia | Gulmohar | 20 | Flowering plant, Ornamental tree. |
| 5 | Peltophorum pterocarpum | Yellow Gulmohar | 20 | Deciduous tree with orange-yellow fragrant flowers, Ornamental tree, |
| 6 | Bauhinia racemosa | Apta | 30 | Native, Small tree |
| 7 | Pongamia pinnata | Karanj | 30 | Deciduous, Native |
| 8 | Cassia fistula | Bahava | 20 | Native, Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant.Also used in herbal medicine. |

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:


| Serial Number | Name | C/C Distance | Area m2 |
|---------------|----------------|----------------|----------------|
| 1 | Not Applicable | Not Applicable | Not Applicable |

47.Energy


Abhay Pimparkar (Secretary
SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 6 of
45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

| | | |
|---------------------------|--|--|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | Not Applicable |
| | DG set as Power back-up during construction phase | Not Applicable |
| | During Operation phase (Connected load): | Existing connected load= 60 HP, Proposed connected load= 40 HP |
| | During Operation phase (Demand load): | 100 HP |
| | Transformer: | 110HP |
| | DG set as Power back-up during operation phase: | Existing DG set of 1 X 62.5 KVA is sufficient. No provision of extra DG set. |
| | Fuel used: | For proposed boiler- LDO=5000 lit/M. No provision of extra DG set. |
| | Details of high tension line passing through the plot if any: | Not Applicable |

48. Energy saving by non-conventional method:

Street lights based on solar energy will be provided

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|-------------------------------------|----------------|
| 1 | Street lights based on solar energy | Not Applicable |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|-------------|--|--|
| Air | Not Applicable | Not Applicable |
| Water | Not Applicable | ETP |
| Noise | Acoustic enclosure to DG set. DG set will be operated in case of power failure only. | Not Applicable |
| Solid Waste | Dry waste is being sent to authorized dealers | Biodegradable waste will be segregated . Hazardous waste will be Sent to CHWTSDF |

| | | |
|--|------------------------|-----|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 3.0 |
| | O & M cost: | 1.0 |


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|----------------|----------------|------------------------------------|
| 1 | Not Applicable | Not Applicable | Not Applicable |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|--------------------|--------------------------|---|
| 1 | Air | provision of stack | 1.0 | 0.5 |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 7 of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | |
|---|------------------------------|------------------------------|-----|------|
| 2 | Water | ETP | 6.0 | 1.0 |
| 3 | Noise | Noise Pollution Control | 1.0 | 0.25 |
| 4 | Environment Monitoring | Environment Monitoring | - | 0.25 |
| 5 | Occupational Health | Occupational Health | 0.5 | 0.25 |
| 6 | Green Belt | Green Belt development | 1.0 | 0.25 |
| 7 | Rain Water Harvesting | Rain Water Harvesting | 0.5 | 0.25 |
| 8 | Solid waste management | Solid waste management | 1.0 | 0.25 |
| 9 | Energy conservation measures | Energy conservation measures | 3.0 | 1.0 |

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)


| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|--|--------|-----------|------------------------|--|---------------------------|------------------|-------------------------|
| Provision of Separate Storage facility in the industry | NA | On ground | NA | NA | NA | Local Vendor | By Road |

52.Any Other Information

No Information Available

53.Traffic Management

| | |
|---|----|
| Nos. of the junction to the main road & design of confluence: | NA |
|---|----|



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018


Page 8 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|------------------|---|---|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | 500 sq.m |
| | Area per car: | NA |
| | Area per car: | NA |
| | Number of 2-Wheelers as approved by competent authority: | NA |
| | Number of 4-Wheelers as approved by competent authority: | NA |
| | Public Transport: | Nearest Road- Nira-Pune road at approximately 0.70 Km |
| | Width of all Internal roads (m): | 6 m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | 5 (f) |
| | Court cases pending if any | NA |
| | Other Relevant Informations | All the effluent that will get generated from the proposed industrial activity will be converted to byproduct. Hence there will not be any effluent arising out of Industrial Processes. Effluent will generate from Washing & cleaning activities only. |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--------------------------------------|----------------|
| Environmental Impacts of the project | Not Applicable |
| Water Budget | Not Applicable |
| Waste Water Treatment | Not Applicable |
| Drainage pattern of the project | Not Applicable |
| Ground water parameters | Not Applicable |


Abhay Pimparkar (Secretary
SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 9 of
45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

| | |
|---|----------------|
| Solid Waste Management | Not Applicable |
| Air Quality & Noise Level issues | Not Applicable |
| Energy Management | Not Applicable |
| Traffic circulation system and risk assessment | Not Applicable |
| Landscape Plan | Not Applicable |
| Disaster management system and risk assessment | Not Applicable |
| Socioeconomic impact assessment | Not Applicable |
| Environmental Management Plan | Not Applicable |
| Any other issues related to environmental sustainability | Not Applicable |
| Brief information of the project by SEAC | |

SEAC-AGENDA-0000000107

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

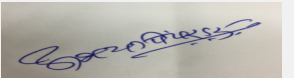
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

PP to carryout base line monitoring activity after grant of ToR and use the same of the preparation of the EIA/EMP report.

ToR was granted in the 146th meeting of SEAC held on 31.01.2018 along with below mentioned additional ToR points.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
3. PP to include detailed material balance charts for each product showing consumption of raw material, quantity of air/solid/liquid /hazardous wastes generation sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
4. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
5. PP to submit detailed water balance calculation showing water required for each activity, water required for domestic use , generation of waste water and its treatment and disposal mechanism along with design of Effluent Treatment Plant and commitment for achieving treated effluent parameters.
6. PP to monitor ammonia gas in the ambient air monitoring while collecting base line data.
7. PP to submit copy of HAZOP and Quantitative Risk Assessment Report.
8. PP to submit specific CSR activities including funds allocated for CSR, activities to be involved with time lines for its implementation in consultation with the District Authorities. PP to maintain separate accounts for CSR/EMP funds.
10. PP to copy of on site emergency plan.
11. PP to submit details of effluent treatment plant considering generation of domestic sewage. Plant should be a Zero Liquid Discharge as no CETP exists in the industrial area of Jejuri.
12. PP to submit equipment layout plan showing spacing between the equipment as per prevailing rules and regulations.
13. PP to include chemical handling protocol in the EIA report.
14. PP to submit structural stability certificate of existing buildings on the site.
15. PP to provide lighting arrestors.
16. PP to provide solar energy for the illumination of administrative building area and street lights.

Now PP submitted the EIA/EMP report.


**Abhay Pimparkar (Secretary
SEAC-I)**

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 11
of 45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC decided to defer the proposal till PP submit compliance of following points.

Specific Conditions by SEAC:

- 1) PP to provide STP for the treatment of domestic sewage.
- 2) PP to include piping and instrument diagram in the HAZOP report.
- 3) PP to submit membership certificate of CHWTSDF.
- 4) PP to submit design details of single stage evaporator.
- 5) PP to submit structural stability certificate to accommodate proposed expansion.
- 6) PP to submit revised CER plan prepared in consultation with the District Authorities.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

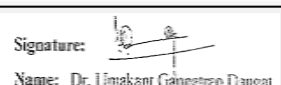
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**Abhay Pimparkar (Secretary
SEAC-I)**

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 12
of 45**



**Dr. Umakant Dangat
(Chairman SEAC-I)**

153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-1) Meeting Date July 25, 2018

Subject: Environment Clearance for Pigment Manufacturing Unit at Plot B-6, Lote Parshuram Industrial area, Lote village, Khed taluka, Ratnagiri district, Maharashtra

Is a Violation Case: No

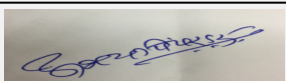
General Information: Venue: CSIR- National Chemical Laboratory (NCL) Guesthouse, Pashan Road, Pune- 411008,

| | |
|--|---|
| 1.Name of Project | M/s Riverside Industries Ltd |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Vijay Chandrakant Mulchandani |
| 4.Name of Consultant | SGM Corporate Consultants Pvt Ltd |
| 5.Type of project | Industry |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable as plant was set up prior to 1994. |
| 8.Location of the project | Plot B-6, Lote Parshuram, Industrial area |
| 9.Taluka | Khed |
| 10.Village | Lote |
| 11.Area of the project | MIDC-Lote Parshuram |
| 12.IOD/IOA/Concession/Plan Approval Number | NA IOD/IOA/Concession/Plan Approval Number: CPN/DB/LTP/B-6/736/96 dated 09/07/1996 Approved Built-up Area: 14074.85 |
| 13.Note on the initiated work (If applicable) | NA. It is old industry |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 16072 sq.m |
| 16.Deductions | 1986.4 sq.m |
| 17.Net Plot area | 14085.6 sq. m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 14074.85 |
| | b) Non FSI area (sq. m.): |
| | c) Total BUA area (sq. m.): 14074.85 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): |
| | Approved Non FSI area (sq. m.): |
| | Date of Approval: |
| 19.Total ground coverage (m2) | 6255.63 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 38.92 |
| 21.Estimated cost of the project | 163000000 |

22.Number of buildings & its configuration

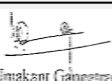
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1 | Not applicable | Not applicable | Not applicable |

23.Number of tenants and shops
Not applicable


Abhay Pimparkar (Secretary
SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018

Page 13
of 45

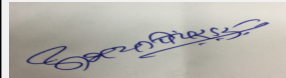

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

| | |
|--|--------------------------|
| 24. Number of expected residents / users | Not applicable |
| 25. Tenant density per hectare | Not applicable |
| 26. Height of the building(s) | |
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 6m |
| 28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Min. 7.5 m |
| 29. Existing structure (s) if any | It is a running industry |
| 30. Details of the demolition with disposal (If applicable) | Not applicable |

31. Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------------------------|-----------------|-----------------|--------------|
| 1 | Blue Copper phthalocyanine Crude | 90 | 210 | 300 |
| 2 | Copper phthalocyanine Green 7 | 75 | 25 | 100 |
| 3 | CPC Alpha Blue | 15 | 35 | 50 |
| 4 | CPC Beta Blue | 10 | 40 | 50 |
| 5 | Reactive Dyes | 15 | 0 | 15 |
| 6 | Violet 23 | 0 | 10 | 10 |


32. Total Water Requirement

| | | | |
|--|---|----------------------|--|
|  Abhay Pimparkar (Secretary SEAC-I) | SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018 | Page 14 of 45 |  Dr. Umakant Dangat (Chairman SEAC-I) |
|--|---|----------------------|--|

| | | |
|--|---|----------------|
| Dry season: | Source of water | Not applicable |
| | Fresh water (CMD): | Not applicable |
| | Recycled water - Flushing (CMD): | Not applicable |
| | Recycled water - Gardening (CMD): | Not applicable |
| | Swimming pool make up (Cum): | Not applicable |
| | Total Water Requirement (CMD) : | Not applicable |
| | Fire fighting - Underground water tank(CMD): | Not applicable |
| | Fire fighting - Overhead water tank(CMD): | Not applicable |
| | Excess treated water | Not applicable |
| Wet season: | Source of water | Not applicable |
| | Fresh water (CMD): | Not applicable |
| | Recycled water - Flushing (CMD): | Not applicable |
| | Recycled water - Gardening (CMD): | Not applicable |
| | Swimming pool make up (Cum): | Not applicable |
| | Total Water Requirement (CMD) : | Not applicable |
| | Fire fighting - Underground water tank(CMD): | Not applicable |
| | Fire fighting - Overhead water tank(CMD): | Not applicable |
| | Excess treated water | Not applicable |
| Details of Swimming pool (If any) | Not applicable | |


33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | 15 | 00 | 15 | 03 | 00 | 03 | 12 | 00 | 12 |
| Industrial Process | 200 | 280 | 480 | 40 | 64 | 104 | 160 | 216 | 376 |
| Cooling tower & thermopack | 5 | 60 | 65 | 4.5 | 55.5 | 60 | 0.5 | 4.5 | 5.0 |
| Gardening | 15 | 00 | 15 | 00 | 00 | 00 | 00 | 00 | 00 |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 15 of 45


Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 15m |
| | Size and no of RWH tank(s) and Quantity: | 01x10m3 |
| | Location of the RWH tank(s): | Underground |
| | Quantity of recharge pits: | NIL |
| | Size of recharge pits : | NIL |
| | Budgetary allocation (Capital cost) : | Rs.50,000 |
| | Budgetary allocation (O & M cost) : | Rs.5000 |
| | Details of UGT tanks if any : | UGT 1 of capacity 1.5 Lakh L UGT 2 of capacity 6.0 lakh L UGT 3 of capacity 6.0 lakh L |
| 35.Storm water drainage | Natural water drainage pattern: | Through MIDC drain |
| | Quantity of storm water: | 0.45 cubic m/sec |
| | Size of SWD: | 450 mm dia hume pipe |
| Sewage and Waste water | Sewage generation in KLD: | 12 KLD |
| | STP technology: | NA |
| | Capacity of STP (CMD): | NA |
| | Location & area of the STP: | NA |
| | Budgetary allocation (Capital cost): | NA |
| | Budgetary allocation (O & M cost): | NA |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | NA |
| | Disposal of the construction waste debris: | NA |
| Waste generation in the operation Phase: | Dry waste: | NA |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |


Abhay Pimparkar (Secretary
SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 16
of 45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**


| | | |
|--|--|----|
| Mode of Disposal of waste: | Dry waste: | NA |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |
| Area requirement: | Location(s): | NA |
| | Area for the storage of waste & other material: | NA |
| | Area for machinery: | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|--------------|---|--------------------------------|---------------------------------|-------------------------------------|
| 1 | pH | - | 4-10 | 7 | 5.5-8.5 |
| 2 | BOD | mg/lit | 400 | 40 | 100 |
| 3 | COD | mg/lit | 800 | 110 | 250 |
| 4 | TSS | mg/lit | 450 | 40 | 100 |
| 5 | TDS | mg/lit | 4000 | 683 | 2100 |
| 6 | Oil & grease | mg/lit | 30 | BDL | 10 |
| Amount of effluent generation (CMD): | | 536.9. Effluent taken as byproduct: 88.2; Effluent evaporated in MEE: 72.9 ; Effluent to be treated at ETP: 375.8 | | | |
| Capacity of the ETP: | | 450 KLD | | | |
| Amount of treated effluent recycled : | | 00 | | | |
| Amount of water send to the CETP: | | 160KLD. 215 KLD will be discharged after CETP expansion | | | |
| Membership of CETP (if require): | | Lote Parshuram MIDC CETP agreement dated 19.08.2003 | | | |
| Note on ETP technology to be used | | Equilization, Neutralization, Primary Clarifier, Secondary clarifier, Activated Carbon and Pressure Sand filtration | | | |
| Disposal of the ETP sludge | | To CHWTSDF. CHWTSDF membership dtd. 28.12.2015 | | | |


38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-----------------------------------|------|------|----------|----------|-------|------------------------------|
| 1 | Tank Button Sludge | 3.3 | MT/A | 4 | 0 | 4 | Sale to authorized recyclers |
| 2 | Process sludge /spent catalyst | 20.2 | MT/A | 10 | 0 | 10 | CHWT & DF (TTCMWA) |
| 3 | Sludge from waste water treatment | 26.2 | MT/A | 18.5 | 0 | 18.5 | CHWT & DF (TTCMWA) |
| 4 | Plastic bags | 33.3 | MT/A | 0.4 | 0 | 0.4 | CHWT & DF (TTCMWA) |
| 5 | Contaminated filter bags | 35.1 | MT/A | 2.4 | 0 | 2.4 | CHWT & DF (TTCMWA) |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 17 of 45

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

39.Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1 | Boiler & TFH | Coal | 1 | 30 | 0.9 | 170 deg C |
| 2 | DG stack | Diesel | 2 | 5 | 0.2 | 65 deg C |
| 3 | NH3 scrubber | - | 3 | 15 | 0.1 | 45 deg C |
| 4 | CL2 scrubber | - | 4 | 15 | 0.15 | 40 deg C |
| 5 | Boiler/TFH | Coal | 5 | 25 | 0.6 | 170 deg C |

40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|-------------------------|----------|--------------------------------------|
| 1 | Coal | 2.4MT/Day | 20MT/Day | 20MT/day |
| 2 | Diesel | 110 ltr/hr on full load | 00 | 110 ltr/hr on full load (Occasional) |


41.Source of Fuel Authorized coal vendors

42.Mode of Transportation of fuel to site By Road

| | | |
|----------------------------------|--|--------------|
| 43.Green Belt Development | Total RG area : | 2620.59 sq.m |
| | No of trees to be cut : | NIL |
| | Number of trees to be planted : | 168 Planted |
| | List of proposed native trees : | Annexure |
| | Timeline for completion of plantation : | Completed |

44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-------------------|-------------|----------|---|
| 1 | Sapota | Chikoo | 8 | Provides shade, edible fruits and flowers |
| 2 | Jackfruit | Phanas | 8 | Provides shade, edible fruits and flowers |
| 3 | Coconut | Naral | 20 | Provides shade, edible fruits and flowers |
| 4 | Banyan Tree | Vad | 2 | Provides shade |
| 5 | Beng-Dumur | Umbar | 2 | Provides shade, edible fruits |
| 6 | Mango | Amba | 6 | Provides shade, edible fruits and flowers |
| 7 | Drumsticks | Shewga | 6 | Fast growing drought resistant tree |
| 8 | Custard apple | Seetaphal | 4 | Provides shade, fruits and flowers |
| 9 | Bullocks heart | Ramphal | 4 | Semi-evergreen tree, bears edible fruits |
| 10 | White Gold Mohur | Shankasura | 8 | Flowering Shrub with 3m tall. Semievergreen plant |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 18 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | |
|----|------------------|-----------|----|---|
| 11 | Carissa Spinorum | Karwand | 8 | Edible fruit bearing shrub |
| 12 | Henna | Mehndi | 6 | A shrub/tree with a height of 1.6 to 7.8m |
| 13 | Gooseberry | Awala | 10 | Bush with edible fruits |
| 14 | White Popine | Subabul | 5 | Drought resistant tree |
| 15 | Indian Lilac | Neem | 10 | Tree with many medicinal uses beside providing shade |
| 16 | Polyalthia | Ashok | 12 | Evergreen tree helps in controlling noise pollution |
| 17 | Black plum | Jambhul | 4 | Fruit bearing tree |
| 18 | Tamrind | Chinch | 6 | Medium growth shrub with high resistance to drought |
| 19 | Pine | Suru | 6 | Evergreen coniferous tall trees |
| 20 | Jasud Hibiscus | Jasvand | 6 | Evergreen shrub/tree with flowers having medicinal uses |
| 21 | Nyctanthus arbor | Parijatak | 6 | It's a Shrub/tree with fragrant flowers |
| 22 | Tabernaemontana | Tagar | 6 | Flowering plants with 5-6ft height |
| 23 | Teak | Sagwan | 12 | Large deciduous tree provides shade and has economic importance |


45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

47.Energy

| | | |
|---|---|-----------------|
| Power requirement: | Source of power supply : | MSEDC |
| | During Construction Phase: (Demand Load) | 0 |
| | DG set as Power back-up during construction phase | 0 |
| | During Operation phase (Connected load): | 1600KW |
| | During Operation phase (Demand load): | 1400KVA |
| | Transformer: | NIL |
| | DG set as Power back-up during operation phase: | 5000kVA X 1 nos |
| | Fuel used: | Diesel |
| Details of high tension line passing through the plot if any: | 11 kv line adjacent to plot boundary at west side | |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 19 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | NA | NA |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|--------------|-----------------------------------|--------------------------|
| Boiler | Dust collector & bag filter | Installed |
| DG set | Silencer & carbon trap | Installed |
| Ammonia, HCl | Water Scrubber | Installed |
| Effluent | ETP | In operation |

| | | |
|---|---------------|---------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 1.2 Cr |
| | O & M cost: | 0.15 Cr |

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1 | NA | NA | NA |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------|-----------------------------|--------------------------|---|
| 1 | Air Pollution | Sox, NOx | 16 | 02 |
| 2 | Environment Monitoring | pH, Flow; COD, TDS | 2 | 0 |
| 3 | Water Pollution | COD, BOD, TDS; amm Nitrogen | 100 | 12 |
| 4 | Hazardous Waste | Sludge; Bags | 0 | 2 |
| 5 | Green Belt Develop | Tree Plantation | 3 | 1 |


51. Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|--------------------|--------|--|------------------------|--|---------------------------|----------------------------|-------------------------|
| Liquid Chlorine | Liquid | Stored in confined space | Tonner 50nos | 45 MT | 113 MT | GACL Gujrat | Road through tonner |
| Sulphuric Acid 98% | Liquid | Tank Farm with dyke wall | 25 KL Tank | 40 MT | 300 MT | Pushkar Maharashtra | Road via tanker |
| Solvent ONT (CPC) | Liquid | Tank Farm with dyke wall & Proper earthing | 20 KL Tank | 18 MT | 25 MT | Deepak Nitrite Maharashtra | Road via tanker |


Abhay Pimparkar (Secretary
SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018

Page 20
of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

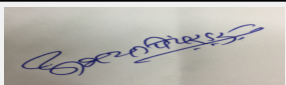
| | | | | | | | |
|------------------------------|--------|--|------------|-------|--------|----------------------------|-----------------|
| Solvent MCB (Green & Violet) | Liquid | Tank Farm with dyke wall & Proper earthing | 20 KL Tank | 12 MT | 6 MT | Deepak Nitrite Maharashtra | Road via tanker |
| Solvent Methanol (Violet) | Liquid | Tank Farm with dyke wall & Proper earthing | 20 KL Tank | 12 MT | 0.1 MT | GNFC Gujrat | Road via tanker |
| Solvent ODCB (Violet) | Liquid | Tank Farm with dyke wall & Proper earthing | 5 Kl Tank | 12 MT | 1.5 MT | Deepak Nitrite Maharashtra | Road via tanker |
| Nitric Acid | Liquid | Tank Farm with dyke wall | 5 Kl Tank | 12 MT | 12 MT | Deepak Nitrite Maharashtra | Road via tanker |
| Chloro Sulphony Acid | Liquid | Tank Farm with dyke wall | 20 KL Tank | 24 MT | 20 MT | Kiri Gujrat | Road via tanker |
| HCl (30 %) | Liquid | Tank Farm with dyke wall | 20 KL Tank | 20 MT | 3.5 MT | Self | indigenous |
| Phosphorus Tri Chloride | Liquid | Tank Farm with dyke wall | 10 Kl Tank | 12 MT | 2.5 MT | Aquapharm Maharashtra | Road via tanker |

52.Any Other Information

No Information Available


53.Traffic Management

| | | |
|-------------------------|--|--|
| | Nos. of the junction to the main road & design of confluence: | Within MIDC limits |
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | Stilt Parking: 1151.87 sq.m; Visitor Parking: 127.41 sq.m |
| | Area per car: | As per norms |
| | Area per car: | As per norms |
| | Number of 2-Wheelers as approved by competent authority: | NA |
| | Number of 4-Wheelers as approved by competent authority: | NA |
| | Public Transport: | Site is well connected to the local transport |
| | Width of all Internal roads (m): | 6m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | 5(f)-B Synthetic organic chemicals industry (dyes & dye intermediates) |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 21 of 45

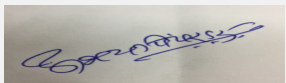


Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|--|--|--|
| | Court cases pending if any | No |
| | Other Relevant Informations | By-Products:Ammonium sulfate :700 MT/MPoly Aluminum Chloride: 500 KL/MHCl 30%: 500 KL/MHypo Chloride: 250 KL/M |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|---|
| Environmental Impacts of the project | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP obtained NOC from CETP to discharge treated effluent. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site. |
| Water Budget | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement. |
| Waste Water Treatment | PP provided ETP on site and obtained NOC from CETP for discharge of treated effluent to the CETP. |
| Drainage pattern of the project | Not Applicable |
| Ground water parameters | As per data submitted by PP, ground water parameters are within the prescribed limits at project site |
| Solid Waste Management | PP proposes to dispose hazardous waste at CHWTSDF site and sale to the authorised vendors. |
| Air Quality & Noise Level issues | As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site. |
| Energy Management | The electrical demand for proposed project is 1400 KVA, which will be supplied by MSEDCL. PP also proposes to have a 5000kVA DG set with HSD as a fuel. |
| Traffic circulation system and risk assessment | PP provided 6 meter wide internal roads with 1279.28 Sq.m. parking area. |
| Landscape Plan | PP to provide 33% green belt. |
| Disaster management system and risk assessment | PP proposes adequate steps to handle an emergency. |
| Socioeconomic impact assessment | PP has carried out socio economic impact study and included in the EIA report. |
| Environmental Management Plan | PP prepared EMP of cost of Rs.121 Lakh as capital cost and Rs. 17 Lakh as O & M cost to maintain environmental parameters. |
| Any other issues related to environmental sustainability | Not Applicable |

Brief information of the project by SEAC

| | | | |
|--|---|----------------------|--|
|  Abhay Pimparkar (Secretary SEAC-I) | SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018 | Page 22 of 45 |  Dr. Umakant Dangat (Chairman SEAC-I) |
|--|---|----------------------|--|

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

During discussion PP informed that, they have started manufacturing activity since 1987 and have not changed any production mix, quantity etc. till date.

ToR was granted in the 139th meeting of SEAC held on 29.06.2017.

Now PP submitted EIA/EMP reprot.

DECISION OF SEAC


After detailed deliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance.

Specific Conditions by SEAC:

- 1) PP to submit revised layout showing 33% green belt and storm water drains.
- 2) PP to obtain certificate from CHWTSDF for proposed expansion.
- 3) PP to ensure to sale byproducts only to the authorised vendors.
- 4) PP to submit revised structural stability certificate to accommodate proposed expansion.
- 5) PP to submit revised CER plan prepared in consultation with the District Authorities.

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions


**Abhay Pimparkar (Secretary
SEAC-I)**

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 23
of 45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

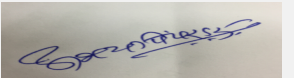
SEAC Meeting number: 153rd (Day-1) Meeting Date July 25, 2018

Subject: Environment Clearance for Wadegaon Manganese Ore Mine , Opencast and Underground project area 3.97 Ha, Production Capacity 6300 TPA, at village Wadegaon, Tahsil Ramtek, District Nagpur.

Is a Violation Case: No


| | |
|--|--|
| 1.Name of Project | Wadegaon Manganese Ore Mine (3.97 Ha) |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | SHAKEEL AHMED AQEEL HUSSAIN |
| 4.Name of Consultant | Srushti Seva Private Limited |
| 5.Type of project | Mining Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New Project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | NA |
| 8.Location of the project | Survey No. 53 Village Wadegaon |
| 9.Taluka | Ramtek |
| 10.Village | Wadegaon |
| Correspondence Name: | SHAKEEL AHMED AQEEL HUSSAIN |
| Room Number: | - |
| Floor: | - |
| Building Name: | Aqeel Mansion |
| Road/Street Name: | Teen Nal Chowk, Old Bhandara Road, |
| Locality: | Itwari |
| City: | Nagpur |
| 11.Area of the project | Corporation area |
| 12.IOD/IOA/Concession/Plan Approval Number | NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: |
| 13.Note on the initiated work (If applicable) | NA |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 3.97 Ha |
| 16.Deductions | NA |
| 17.Net Plot area | NA |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-01-1900 |
| 19.Total ground coverage (m2) | NA |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | NA |
| 21.Estimated cost of the project | 20000000 |

22.Number of buildings & its configuration


Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 24
of 45**


Signature:
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

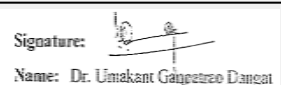
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|---|------------------------|------------------|-------------------------------|--------------|
| 1 | NA | NA | NA | |
| 23.Number of tenants and shops | NA | | | |
| 24.Number of expected residents / users | NA | | | |
| 25.Tenant density per hectare | NA | | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | NA | | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA | | | |
| 29.Existing structure (s) if any | NA | | | |
| 30.Details of the demolition with disposal (If applicable) | NA | | | |
| 31.Production Details | | | | |
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
| 1 | Manganese | 0 | 525 | 525 |
| 32.Total Water Requirement | | | | |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 25 of 45




Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|-----------------------------------|--|--|
| Dry season: | Source of water | Borewell and mine pit |
| | Fresh water (CMD): | 11 = 1 m3/day borewell water for drinking, + 10 m3/day pit water for plantation, dust suppression, mining & industry |
| | Recycled water - Flushing (CMD): | NA |
| | Recycled water - Gardening (CMD): | NIL |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 11 |
| | Fire fighting - Underground water tank(CMD): | NA |
| | Fire fighting - Overhead water tank(CMD): | NA |
| | Excess treated water | NA |
| Wet season: | Source of water | Borewell and mine pit |
| | Fresh water (CMD): | 9 = 1 m3/day borewell water for drinking, + 10 m3/day pit water for plantation, dust suppression, mining & industry |
| | Recycled water - Flushing (CMD): | NA |
| | Recycled water - Gardening (CMD): | NIL |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 11 |
| | Fire fighting - Underground water tank(CMD): | NA |
| | Fire fighting - Overhead water tank(CMD): | NA |
| | Excess treated water | NA |
| Details of Swimming pool (If any) | NA | |

33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|--------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | 0 | 1 | 1 | 0 | 0.2 | 0.2 | 0 | 0.8 | 0.8 |
| Gardening | 0 | 2 | 2 | 0 | 2 | 2 | 0 | NA | NA |
| Industrial Process | 0 | 8 | 8 | 0 | 8 | 8 | 0 | NA | NA |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 26 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | | | | | | |
|-------------------------|---|----|----|---|------|------|---|-----|-----|
| Fresh water requirement | 0 | 11 | 11 | 0 | 10.2 | 10.2 | 0 | 0.8 | 0.8 |
|-------------------------|---|----|----|---|------|------|---|-----|-----|

| | | |
|---------------------------------------|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 4.90 to 8.90 bgl |
| | Size and no of RWH tank(s) and Quantity: | Garland Drains, Gully plugs, Retaining wall |
| | Location of the RWH tank(s): | Rooftop RWH |
| | Quantity of recharge pits: | 6 m ³ |
| | Size of recharge pits : | 2 x 2x 1.5 m |
| | Budgetary allocation (Capital cost) : | Rs. 50000 |
| | Budgetary allocation (O & M cost) : | Rs. 5000 P.A. |
| | Details of UGT tanks if any : | NA |

| | | |
|--------------------------------|--|--|
| 35.Storm water drainage | Natural water drainage pattern: | NA, However the storm water during rainy season will be systematically channelized to garland drains proposed along the lease boundary |
| | Quantity of storm water: | NA |
| | Size of SWD: | NA |

| | | |
|-------------------------------|---|----|
| Sewage and Waste water | Sewage generation in KLD: | NA |
| | STP technology: | NA |
| | Capacity of STP (CMD): | NA |
| | Location & area of the STP: | NA |
| | Budgetary allocation (Capital cost): | NA |
| | Budgetary allocation (O & M cost): | NA |

36.Solid waste Management

| | | |
|---|---|----------------------------------|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | NA |
| | Disposal of the construction waste debris: | NA |
| Waste generation in the operation Phase: | Dry waste: | 59278 cum upto conceptual period |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Top soil will be used for plantation and wast materials will be utilised for back filling and on non mineral area which will be biologically stabilized |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |
| Area requirement: | Location(s): | Within mining lease area |
| | Area for the storage of waste & other material: | 2000 m2 |
| | Area for machinery: | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | NA | NA | NA | NA | NA |
| Amount of effluent generation (CMD): | | NA | | | |
| Capacity of the ETP: | | NA | | | |
| Amount of treated effluent recycled : | | NA | | | |
| Amount of water send to the CETP: | | NA | | | |
| Membership of CETP (if require): | | NA | | | |
| Note on ETP technology to be used | | NA | | | |
| Disposal of the ETP sludge | | NA | | | |

38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-------------|-----|-----|----------|----------|-------|--------------------|
| 1 | NA | NA | NA | NA | NA | NA | NA |

39. Stacks emission Details

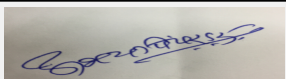
| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1 | NA | NA | NA | NA | NA | NA |

40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|----------|----------------|-------|
| 1 | Diesel | NA | 100 liters/day | NA |


41. Source of Fuel Private Fuel Station

42. Mode of Transportation of fuel to site Mobile Bowser


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 28 of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | NA |
| | No of trees to be cut : | NA |
| | Number of trees to be planted : | 5500 |
| | List of proposed native trees : | Awala, Behada, Kadulimb, Karanj, Moha Sag, Kawath and peru |
| | Timeline for completion of plantation : | Upto 7 years |

44.Number and list of trees species to be planted in the ground

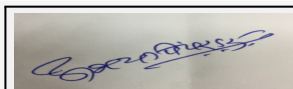
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|---------------------|-------------|----------|---|
| 1 | Emblica officinalis | Awala | 800 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 2 | cassia fistula | Bahava | 800 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 3 | Azadiracta Indica | Kadulimb | 800 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 4 | Pongamia pinnata | Karanj | 700 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 5 | Madhuca indica | Moha | 500 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 6 | Tectona grandis | Sag | 500 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 7 | Feronia Limonia | Kavath | 500 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 8 | Psidium | Peru | 900 | created to intercept dust, gaseous pollutants, noise and Fruits |

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

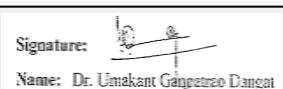
47.Energy



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 29 of 45



Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|---------------------------|---|-------------|
| Power requirement: | Source of power supply : | MSPDCL |
| | During Construction Phase: (Demand Load) | NA |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 500 KW |
| | During Operation phase (Demand load): | 500 KW |
| | Transformer: | 1 |
| | DG set as Power back-up during operation phase: | 2 X 125 KVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | None |

48. Energy saving by non-conventional method:

It is proposed to install 5 solar Light Poles within mining lease area to saving energy by non-conventional method.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Solar Light | 5 lamps |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|-------------------------|-----------------------------------|---|
| Ali Pollution Control | NA | Dust suppression |
| Water Pollution Control | NA | Desilting Tanks, garland drain, boulder check plug, septic tanks/soak pits, mine water sedimentation pond |

| | | |
|--|---------------|------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 150000 |
| | O & M cost: | Rs. 100000 |

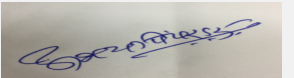
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1 | NA | NA | NA |


b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------------------|------------------|--------------------------|---|
| 1 | Air Pollution control | Dust suppression | 1.0 | 1.5 |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 30 of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | |
|---|-------------------------|--|-----|-----|
| 2 | Water Pollution Control | Desilting Tanks, garland drain, boulder check plug, septic tanks/soak pits, mine water sedimentation pond & pumps | 4 | 1.0 |
| 3 | Pollution Monitoring | Air, Noise monitoring water, Soil sample analysis | 0 | 1.5 |
| 4 | Occupational Health | Fire Fighting Equipments (Portable), personnel protection equipments (goggles, gloves, helmets, dust mast, safety boots) | 0.5 | 2.0 |
| 5 | Green Belt | biological reclamation Plantation, Reclamation (Dump) | 0 | 2.5 |
| 6 | Others | - | 0 | 1.0 |

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)


| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|-------------|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| NA | NA | NA | NA | NA | NA | NA | NA |

52.Any Other Information

No Information Available

53.Traffic Management

| | | |
|--|---|----|
| | Nos. of the junction to the main road & design of confluence: | NA |
|--|---|----|


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018


Page 31 of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|------------------|---|--|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | NA |
| | Area per car: | NA |
| | Area per car: | NA |
| | Number of 2-Wheelers as approved by competent authority: | NA |
| | Number of 4-Wheelers as approved by competent authority: | NA |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | NA |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | B1 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | As desired by hon'ble SEAC in 142nd and 143rd meeting, fresh application on website along with EIA/EMP and PH Minutes. The corrected project cost have also been established as 2,32,15,000/- (Rupees Two Crore thirty two lacs fifteen thousand only) |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 05-05-2017 |


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|--|
| Environmental Impacts of the project | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site. |
| Water Budget | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement. |
| Waste Water Treatment | No waste water will be generated from the proposed activity. |
| Drainage pattern of the project | PP studied the contour plan for providing sufficient barriers to mining pits to prevent ingress of the storm water. |


Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
 July 25, 2018**

**Page 32
 of 45**

Signature: 
**Name: Dr. Umakant Dangat
 (Chairman SEAC-I)**

PP obtained ToR in the 117th meeting of SEAC-1 held on 29th & 30th December, 2015.

PP obtained mining lease permission from GoM vide letter No. MMN-1001/CR-282/Ind-q dated 05.08.2006.

PP submitted EIA/EMP report. The proposal (CS No. 437) was considered in the 139th meeting of SEAC-1 wherein the proposal was deferred till submission of compliance of following points and revised EIA/EMP report.

1. PP to submit copies of 7/12 extract to establish the ownership of the mining land.
2. PP to submit original mining plan for appraisal and verification.
3. PP to include mine closure plan in the EIA report.
4. PP to submit copy of mineral prospecting report along with the gradation of the contents like manganese, Silica and other contents if any.
5. PP to obtain permission from competent authority for drilling and blasting.
6. PP to submit copy of the permission obtained from the State Government (Irrigation Department) as the mining activity is within 50 meters distance from the existing irrigation canal.
7. PP to submit an affidavit for not storing any magazine.
8. PP to include details of disposal of waste material and their stabilization process in the EIA report.
9. PP to provide retaining wall to the mining area to avoid and prevent unforeseen incidents like collapse etc.
10. PP to submit point wise compliance status of issues raised in the Public Hearing meeting.
11. PP to include impact of mining activity (explosion, vibration, vehicle movement etc.) on near by canal.

Now PP submitted EIA/EMP report.

DECISION OF SEAC

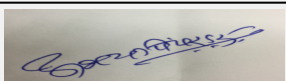
After detailed deliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

- 1) PP shall comply with the terms and conditions stipulated in various NOC's obtained from respective Authorities for prior Environment Clearance.

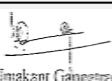
FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions


**Abhay Pimparkar (Secretary
SEAC-I)**

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 34
of 45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

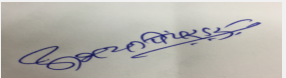
SEAC Meeting number: 153rd (Day-1) Meeting Date July 25, 2018

Subject: Environment Clearance for Wadegaon Manganese Ore Mine , Opencast and Underground project area 2.49 Ha, Production Capacity 6000 TPA, at village Wadegaon, Tahsil Ramtek, District Nagpur.

Is a Violation Case: No

| | |
|--|--|
| 1.Name of Project | Wadegaon Manganese Ore Mine (2.49 Ha) |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | SHAKEEL AHMED AQEEL HUSSAIN |
| 4.Name of Consultant | Srushti Seva Private Limited |
| 5.Type of project | Mining Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New Project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | NA |
| 8.Location of the project | Survey No. 44 (Part) 45 & 46 Village Wadegaon |
| 9.Taluka | Ramtek |
| 10.Village | Wadegaon |
| Correspondence Name: | SHAKEEL AHMED AQEEL HUSSAIN |
| Room Number: | - |
| Floor: | - |
| Building Name: | Aqeel Mansion |
| Road/Street Name: | Teen Nal Chowk, Old Bhandara Road, |
| Locality: | Itwari |
| City: | Nagpur |
| 11.Area of the project | Corporation area |
| 12.IOD/IOA/Concession/Plan Approval Number | NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: |
| 13.Note on the initiated work (If applicable) | NA |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 2.49 ha |
| 16.Deductions | NA |
| 17.Net Plot area | NA |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-01-1900 |
| 19.Total ground coverage (m2) | NA |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | NA |
| 21.Estimated cost of the project | 20300000 |

22.Number of buildings & its configuration



Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 35
of 45**


Signature:
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|---|------------------------|------------------|-------------------------------|--------------|
| 1 | NA | NA | NA | |
| 23.Number of tenants and shops | NA | | | |
| 24.Number of expected residents / users | NA | | | |
| 25.Tenant density per hectare | NA | | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | NA | | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA | | | |
| 29.Existing structure (s) if any | NA | | | |
| 30.Details of the demolition with disposal (If applicable) | NA | | | |
| 31.Production Details | | | | |
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
| 1 | Mangnese | 0 | 500 | 500 |
| 32.Total Water Requirement | | | | |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018


Page 36 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|--|---|---|
| Dry season: | Source of water | Borewell and mine pit |
| | Fresh water (CMD): | 9 = 1 m3/day borewell water for drinking, + 8 pit water for plantation, dust suppression, mining & industry |
| | Recycled water - Flushing (CMD): | NA |
| | Recycled water - Gardening (CMD): | NIL |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 9 |
| | Fire fighting - Underground water tank(CMD): | NA |
| | Fire fighting - Overhead water tank(CMD): | NA |
| | Excess treated water | NA |
| Wet season: | Source of water | Borewell and mine pit |
| | Fresh water (CMD): | 9 = 1 m3/day borewell water for drinking, + 8 pit water for plantation, dust suppression, mining & industry |
| | Recycled water - Flushing (CMD): | NA |
| | Recycled water - Gardening (CMD): | NIL |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 9 |
| | Fire fighting - Underground water tank(CMD): | NA |
| | Fire fighting - Overhead water tank(CMD): | NA |
| | Excess treated water | NA |
| Details of Swimming pool (If any) | NA | |


33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|--------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | NA | 1 | 1 | NA | 0.2 | 0.2 | NA | 0.8 | 0.8 |
| Gardening | NA | 2 | 2 | NA | 2 | 2 | NA | NA | NA |
| Industrial Process | NA | 6 | 6 | NA | 6 | 6 | NA | NA | NA |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 37 of 45

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | | | | | | |
|-------------------------|----|---|---|----|-----|-----|----|-----|-----|
| Fresh water requirement | NA | 9 | 9 | NA | 8.2 | 8.2 | NA | 0.8 | 0.8 |
|-------------------------|----|---|---|----|-----|-----|----|-----|-----|

| | | |
|---------------------------------------|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 4.90 to 8.90 bgl |
| | Size and no of RWH tank(s) and Quantity: | Garland Drains, Gully plugs, Retaining wall |
| | Location of the RWH tank(s): | Rooftop RWH |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | 2 x 2x 1.5 m |
| | Budgetary allocation (Capital cost) : | Rs. 10000 |
| | Budgetary allocation (O & M cost) : | Rs. 2500 P.A. |
| | Details of UGT tanks if any : | NA |

| | | |
|--------------------------------|--|--|
| 35.Storm water drainage | Natural water drainage pattern: | NA, However the storm water during rainy season will be systematically channelized to garland drains proposed along the lease boundary |
| | Quantity of storm water: | NA |
| | Size of SWD: | NA |

| | | |
|-------------------------------|---|----|
| Sewage and Waste water | Sewage generation in KLD: | NA |
| | STP technology: | NA |
| | Capacity of STP (CMD): | NA |
| | Location & area of the STP: | NA |
| | Budgetary allocation (Capital cost): | NA |
| | Budgetary allocation (O & M cost): | NA |

36.Solid waste Management

| | | |
|---|---|----------------------------------|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | NA |
| | Disposal of the construction waste debris: | NA |
| Waste generation in the operation Phase: | Dry waste: | 35385 cum upto conceptual period |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Top soil will be used for plantation and wast materials will be utilised for back filling and on non mineral area which will be biologically stabilized |
| | Wet waste: | NA |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | NA |
| | Others if any: | NA |
| Area requirement: | Location(s): | Within mining lease area |
| | Area for the storage of waste & other material: | 2238 m2 |
| | Area for machinery: | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | NA | NA | NA | NA | NA |
| Amount of effluent generation (CMD): | | NA | | | |
| Capacity of the ETP: | | NA | | | |
| Amount of treated effluent recycled : | | NA | | | |
| Amount of water send to the CETP: | | NA | | | |
| Membership of CETP (if require): | | NA | | | |
| Note on ETP technology to be used | | NA | | | |
| Disposal of the ETP sludge | | NA | | | |

38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-------------|-----|-----|----------|----------|-------|--------------------|
| 1 | NA | NA | NA | NA | NA | NA | NA |

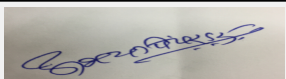
39. Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1 | NA | NA | NA | NA | NA | NA |

40. Details of Fuel to be used


| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|----------|----------|-------|
| 1 | NA | NA | NA | NA |

| | |
|--|----|
| 41. Source of Fuel | NA |
| 42. Mode of Transportation of fuel to site | NA |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 39 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | NA |
| | No of trees to be cut : | NA |
| | Number of trees to be planted : | 5500 |
| | List of proposed native trees : | Awala, Behada, Kadulimb, Karanj, Moha Sag, Kawath and peru |
| | Timeline for completion of plantation : | Upto 7 years |

44.Number and list of trees species to be planted in the ground

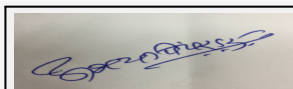
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|---------------------|-------------|----------|---|
| 1 | Emblica officinalis | awala | 800 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 2 | cassia fistula | bahava | 600 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 3 | Azadiracta Indica | kadulimb | 700 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 4 | Pongamia pinnata | karanj | 700 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 5 | Madhuca indica | Moha | 600 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 6 | Tectona grandis | Sag | 600 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 7 | Feronia Limonia | Kavath | 600 | created to intercept dust, gaseous pollutants, noise and Fruits |
| 8 | Psidium | Peru | 900 | created to intercept dust, gaseous pollutants, noise and Fruits |

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

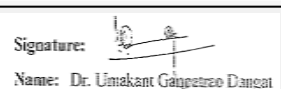
47.Energy



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 40 of 45



Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|---------------------------|---|-------------|
| Power requirement: | Source of power supply : | MSPDCL |
| | During Construction Phase: (Demand Load) | NA |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 500 KW |
| | During Operation phase (Demand load): | 500 KW |
| | Transformer: | NA |
| | DG set as Power back-up during operation phase: | 2 X 125 KVA |
| | Fuel used: | NA |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

It is proposed to insatall 5 solar Light Poles within mining lease area to saving energy by non-conventional method.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Solar Light | 5 lamps |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|-------------------------|-----------------------------------|---|
| Ali Pollution Control | NA | Dust suppression |
| Water Pollution Control | NA | Desilting Tanks, garland drain, boulder check plug, septic tanks/soak pits, mine water sedimentation pond |

| | | |
|--|---------------|-----------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 50000 |
| | O & M cost: | Rs. 5000 |

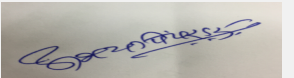
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1 | NA | NA | NA |


b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------------------|------------------|--------------------------|---|
| 1 | Air Pollution control | Dust suppression | 1.00 | 1.5 |


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

Page 41
of 45

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | | | |
|---|-------------------------|--|---|-----|
| 2 | Water Pollution Control | Desilting Tanks, garland drain, boulder check plug, septic tanks/soak pits, mine water sedimentation pond & pumps | 5 | - |
| 3 | Pollution Monitoring | Air, Noise monitoring water, Soil sample analysis | - | 1.5 |
| 4 | Occupational Health | Fire Fighting Equipments (Portable), personnel protection equipments (goggles, gloves, helmets, dust mast, safety boots) | 0 | 2.5 |
| 5 | Green Belt | biological reclamation Plantation, Reclamation (Dump) | - | 2.5 |
| 6 | Others | - | - | 1.0 |

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)


| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|-------------|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| NA | NA | NA | NA | NA | NA | NA | NA |

52.Any Other Information

No Information Available

53.Traffic Management

| | |
|---|----|
| Nos. of the junction to the main road & design of confluence: | NA |
|---|----|


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd (Day-1) Meeting Date: July 25, 2018

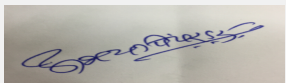
Page 42 of 45

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

| | | |
|------------------|---|--|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | NA |
| | Area per car: | NA |
| | Area per car: | NA |
| | Number of 2-Wheelers as approved by competent authority: | NA |
| | Number of 4-Wheelers as approved by competent authority: | NA |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | NA |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | 15-16 km |
| | Category as per schedule of EIA Notification sheet | B1 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | As desired by hon'ble SEAC in 142nd and 143rd meeting, fresh application on website along with EIA/EMP and PH Minutes. The corrected project cost have also been established as 2,32,15,000/- (Rupees Two Crore thirty two lacs fifteen thousand only) |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 05-05-2017 |


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|--|
| Environmental Impacts of the project | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site. |
| Water Budget | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement. |
| Waste Water Treatment | No waste water will be generated from the proposed activity. |
| Drainage pattern of the project | PP studied the contour plan for providing sufficient barriers to mining pits to prevent ingress of the storm water. |


Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
 July 25, 2018**

**Page 43
 of 45**

Signature: 
**Name: Dr. Umakant Dangat
 (Chairman SEAC-I)**

PP obtained ToR in the 117th meeting of SEAC-1 held on 29th & 30th December, 2015.

PP obtained mining lease permission from GoM vide letter No. MMN-1001/CR-282/Ind-q dated 05.08.2006.

PP submitted EIA/EMP report. The proposal (CS No. 437) was considered in the 139th meeting of SEAC-1 wherein the proposal was deferred till submission of compliance of following points and revised EIA/EMP report.

1. PP to submit copies of 7/12 extract to establish the ownership of the mining land.
2. PP to submit original mining plan for appraisal and verification.
3. PP to include mine closure plan in the EIA report.
4. PP to submit copy of mineral prospecting report along with the gradation of the contents like manganese, Silica and other contents if any.
5. PP to obtain permission from competent authority for drilling and blasting.
6. PP to submit copy of the permission obtained from the State Government (Irrigation Department) as the mining activity is within 50 meters distance from the existing irrigation canal.
7. PP to submit an affidavit for not storing any magazine.
8. PP to include details of disposal of waste material and their stabilization process in the EIA report.
9. PP to provide retaining wall to the mining area to avoid and prevent unforeseen incidents like collapse etc.
10. PP to submit point wise compliance status of issues raised in the Public Hearing meeting.
11. PP to include impact of mining activity (explosion, vibration, vehicle movement etc.) on near by canal.

Now PP submitted EIA/EMP report.

DECISION OF SEAC


After detailed deliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance.

Specific Conditions by SEAC:

- 1) PP shall comply with the terms and conditions stipulated in various NOC's obtained from respective Authorities for prior Environment Clearance.

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions


**Abhay Pimparkar (Secretary
SEAC-I)**

**SEAC Meeting No: 153rd (Day-1) Meeting Date:
July 25, 2018**

**Page 45
of 45**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**