

102 SEAC-3 meeting day 01

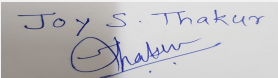
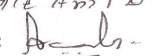
SEAC Meeting number: 102 Meeting Date January 22, 2020

Subject: Environment Clearance for Proposed Group Housing Scheme by M/s Sandesh Infrastructure Pvt. Ltd.

Is a Violation Case: Yes

| | |
|--|---|
| 1.Name of Project | Proposed Group Housing Scheme |
| 2.Type of institution | TOR |
| 3.Name of Project Proponent | Mr Dilip Agrawal |
| 4.Name of Consultant | M/s. Ultra-Tech (Environmental Consultancy & Laboratory) Lab Gazetted by MoEf - Govt. Of India. NABET Certificate no: NABET/EIA1417/SA011 |
| 5.Type of project | Housing 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 | Not applicable |
| 8.Location of the project | Kh. no. 167/2 & 168 |
| 9.Taluka | Nagpur (Gramin) |
| 10.Village | Mouza Jamtha |
| Correspondence Name: | Mr Dilip Agrawal |
| Room Number: | NA |
| Floor: | 4th floor |
| Building Name: | Landmark Building |
| Road/Street Name: | Wardha road |
| Locality: | Above Big bazaar |
| City: | Nagpur |
| 11.Whether in Corporation / Municipal / other area | Nagpur Metropolitan Area |
| 12.IOD/IOA/Concession/Plan Approval Number | Obtained Certificate vide Letter No 3583 Dated 08.09.2010 IOD/IOA/Concession/Plan Approval Number: 3583 Approved Built-up Area: 58035.080 |
| 13.Note on the initiated work (If applicable) | Construction work has been initiated as per sanction received dated vide letter no. 3583 dated 8/9/10 and 52,939.985 m2 of BUA (FSI + Non FSI) is constructed on site |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 86900.00 |
| 16.Deductions | 12220.99 |
| 17.Net Plot area | 74679.01 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 50190.466 b) Non FSI area (sq. m.): 7844.614 c) Total BUA area (sq. m.): 58035.080 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 56009.25 Approved Non FSI area (sq. m.): 7844.614 Date of Approval: 08-09-2010 |
| 19.Total ground coverage (m2) | 13507.77 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 15.5% |
| 21.Estimated cost of the project | 980000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|---------------------|---|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 1 of 62 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
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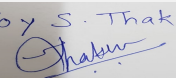
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|---|------------------|-------------------------------|
| 1 | Semi Detached Bungalow (A Type) 1-36 & 38-91 | G + 1 | 7.5 |
| 2 | Detached Bungalow (A Type) | G + 1 | 7.5 |
| 3 | Residential (B Type) | G + 1 | 7.5 |
| 4 | Building No 1 2BHK (C Type) | S + 7 | 23.95 |
| 5 | Building No 1 2 BHK (D Type) | S + 7 | 23.95 |
| 6 | Building No 2 2 BHK (C Type) | S + 7 | 23.95 |
| 7 | Building no 3 2 BHK (D Type) | S + 7 | 23.95 |
| 8 | Building no 4 1 BHK (E Type) | S + 7 | 23.95 |

| | |
|---|---|
| 23.Number of tenants and shops | 163 Bungalows; 4 buildings having 14 wings |
| 24.Number of expected residents / users | Residential user: 2985 No. |
| 25.Tenant density per hectare | 335 |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | Fire Station: 6.00 Km away from proposed site Width of the road from the nearest fire station to the proposed building 24m |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9m |
| 29.Existing structure (s) if any | Construction work has been initiated as per sanction received dated vide letter no. 3583 dated 8/9/10 and 52,939.985 m2 of BUA (FSI + Non FSI) is constructed on site; Construction Details = Semi Detached Bungalow (A Type) 1-36 & 38-91 - G+1 -90 stand complete; Detached Bungalow (A Type) - G+1 - 1 stand complete; Residential (B Type) - G+1 - 72 stand complete; Building No 1 - 2BHK (C Type) - S+7 - 2 stand complete; Building No 1 - 2 BHK (D Type) - S+7 - 4 stand complete; Building No 2 - 2 BHK (C |
| 30.Details of the demolition with disposal (If applicable) | NA |

31.Production Details

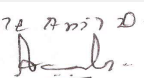
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

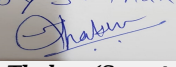
Joy S. Thakur

 Joy S.Thakur (Secretary
 SEAC-III)

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Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman
 SEAC-III)

| | | | | | | | | | |
|------------------------------------|--|----------------|-------|------------|----------------|-------|----------------|----------------|-------|
| Dry season: | Source of water | MIHAN | | | | | | | |
| | Fresh water (CMD): | 269 | | | | | | | |
| | Recycled water - Flushing (CMD): | 134 | | | | | | | |
| | Recycled water - Gardening (CMD): | 131 | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | |
| | Total Water Requirement (CMD) : | 534 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 100 | | | | | | | |
| | Excess treated water | 61 | | | | | | | |
| Wet season: | Source of water | MIHAN | | | | | | | |
| | Fresh water (CMD): | 269 | | | | | | | |
| | Recycled water - Flushing (CMD): | 134 | | | | | | | |
| | Recycled water - Gardening (CMD): | 00 | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | |
| | Total Water Requirement (CMD) : | 403 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 100 | | | | | | | |
| | Excess treated water | 192 | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Fresh water requirement | 269 | Not applicable | 269 | 54 | Not applicable | 54 | 215 | Not applicable | 215 |
| Domestic | 134 | Not applicable | 134 | 00 | Not applicable | 00 | 134 | Not applicable | 134 |
| Gardening | 45 | Not applicable | 45 | 45 | Not applicable | 45 | 00 | Not applicable | 00 |

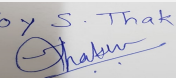
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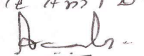
Name: K. Anil Kale
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 SEAC-III)

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|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 5 m |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 12 nos |
| | Size of recharge pits : | Ø4 m x 3.8m |
| | Budgetary allocation (Capital cost) : | Rs. 45 lakh |
| | Budgetary allocation (O & M cost) : | Rs. 0.9 lakh |
| | Details of UGT tanks if any : | Fire Fighting - 200 CMD |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | South to North |
| | Quantity of storm water: | 64.50 m ³ /min |
| | Size of SWD: | 600 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | 376 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 390 |
| | Location & area of the STP: | South Side of the plot |
| | Budgetary allocation (Capital cost): | Rs. 125 lakh |
| | Budgetary allocation (O & M cost): | Rs. 15 lakh |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Waste generation: 26kg/day |
| | Disposal of the construction waste debris: | This material shall be used for back filling and leveling of the plot. |
| Waste generation in the operation Phase: | Dry waste: | 537 Kg/day |
| | Wet waste: | 806 kg/day |
| | Hazardous waste: | Negligible |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 56 kg/day |
| | Others if any: | NA |


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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Will be handed over to authorized vendor. |
| | Wet waste: | Will be treated in Organic waste converter |
| | Hazardous waste: | Will be handed over to authorized hazardous waste management |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as manure for landscaping after treatment. |
| | Others if any: | NA |
| Area requirement: | Location(s): | South - East |
| | Area for the storage of waste & other material: | 150 m2 |
| | Area for machinery: | 50 m2 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 35 Lakhs |
| | O & M cost: | Rs. 07 Lakhs/yr |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water sent to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | 260 KVA - 4 No | HSD 38Ltr/Hr. | 4 Nos. | 4.5 | 0.0125 | 450° |
| 2 | 65 KVA - 1 No | HSD 8Ltr/Hr. | 1 Nos. | 4.5 | 0.0125 | 450° |
| 3 | 125 KVA - 1 No | HSD 18Ltr/Hr. | 1 Nos. | 4.5 | 0.0125 | 450° |

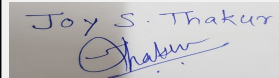
40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|-----------|----------------|-----------|
| 1 | Diesel | 64Ltr/Hr. | Not applicable | 64Ltr/Hr. |

| | |
|--------------------|-------------------|
| 41. Source of Fuel | Authorized Vendor |
|--------------------|-------------------|

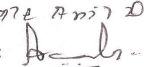
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| | | | | |
|--|--|------------------------------------|-----------------|--|
| 42.Mode of Transportation of fuel to site | | By road | | |
| | | | | |
| 43.Green Belt Development | Total RG area : | 17994.68 m2 | | |
| | No of trees to be cut : | NA | | |
| | Number of trees to be planted : | 933 | | |
| | List of proposed native trees : | 933 | | |
| | Timeline for completion of plantation : | Till the completion of the project | | |
| 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 | Manilkara zapota | Chiku | 95 | Fruit bearing tree |
| 2 | Mangifera indica | Mango | 110 | Fruit bearing tree |
| 3 | Neolamarkia cadamba | Kadamb | 45 | Ornamental tree |
| 4 | Milingtonia hortensis | AkashNeem | 75 | Ornamental and timber tree |
| 5 | Cassia fistula | Amaltas | 105 | Medicinal and ornamental plant |
| 6 | Azadirachta indica | Neem | 75 | Medicinal tree |
| 7 | Albizia lebbeck | Siris | 75 | Timber species |
| 8 | Bauhinia variegata | Kachnar | 75 | Medicinal tree |
| 9 | Kigelia pinnata | Sausage Tree | 100 | Medicinal tree |
| 10 | Ficus religiosa | Peepal tree | 50 | Medicinal tree |
| 11 | Prosopis cineraria | Shami tree | 60 | Animal feed and good fuel |
| 12 | Bambusa vulgaris | Golden Bamboo | 68 | Timber, fuel, fodder giving plant |
| 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 | | | | |


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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 75 KW |
| | DG set as Power back-up during construction phase | Power Supply from MSEDCL |
| | During Operation phase (Connected load): | 3714 KW |
| | During Operation phase (Demand load): | 1728.52 KW |
| | Transformer: | 315 kVA - 6 No; 200 kVA - 3 No |
| | DG set as Power back-up during operation phase: | 4 Nos. x 280 KVA; 1 Nos. x 65 KVA; 1 Nos. x 125 KVA |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | Not Applicable |

48. Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
Solar powered water heating
Solar PV Panels for common area lighting

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|----------|
| 1 | Auto Timer control for external & Common lighting | 0.4% |
| 2 | Solar powered water heating | 18.1% |
| 3 | Solar PV Panels for common area lighting | 10% |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|--|-----------------------------------|--------------------------|
| Domestic Sewage | STP Capacity 390 CMD | Not applicable |
| Domestic Solid Waste | OWC Capacity 800 Kg/day | Not applicable |
| DG Set - 4 Nos. x 280 KVA; 1 Nos. x 65 KVA; 1 Nos. x 125 KVA | Stack | Not applicable |

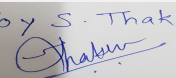
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| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 105 Lakhs |
| | O & M cost: | Rs. 4.5 Lakhs/yr |

51. Environmental Management plan Budgetary Allocation

| | | | |
|--|--|---------------------|---|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 7 of 62 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
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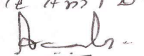
| a) Construction phase (with Break-up): | | | |
|--|----------------------------------|--|------------------------------------|
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
| 1 | Ambient Air quality; Noise Level | PM10,PM2.5,SO2, NOX, CO; Equivalent noise level | 1.33 |
| 2 | Exhaust from DG Set | PM10,PM2.5,SO2, NOX, CO | 0.06 |
| 3 | Drinking Water | pH, Temperature, EC, Turbidity, Total dissolved solids, Calcium, Magnesium Total hardness, Chlorides, Sulphates, Nitrates, DO, COD, BOD, Iron, Zinc Manganese (Physico-chemical and bacteriological parameters as per the source and utilization of water) | 0.04 |
| 4 | Sewage from STP As per EP act | pH, BOD,COD ,TSS ,O & G Colour and Odour, SS, Particulate size of suspended solids, pH, Temp, O& G ,Ammonium N, Total Kjeldahl Nitrogen ,Free ammonia ,BOD, COD, AS, Hg, Pb, Cr+6, Cr, Cu, Ni, CN, F, Dissolved Phosphates ,Sulphide ,C6H5OH , Manganese, Fe, V, Nitrate Nitrogen. | 0.31 |
| 5 | Manure | pH, Conductivity, Colour, Bulk Density, Organic Carbon, Total Nitrogen as N ,Total Phosphate as P2O5,Total Potash as K2O,C:N ratio, Moisture Content | 0.20 |

| b) Operation Phase (with Break-up): | | | | |
|-------------------------------------|--------------------------|---|--------------------------|---|
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
| 1 | Environmental Monitoring | Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure | NA | 9.0 |
| 2 | Storm Water | RWH | 45 | 0.9 |
| 3 | Sewage | STP | 125 | 15 |
| 4 | Energy Saving | Solar Water Heating + PV | 105 | 4.5 |

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Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | | |
|---|------------------------|-----------|----|---|
| 5 | Land Environment | Gardening | 50 | 2 |
| 6 | Solid waste management | OWC | 35 | 7 |

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

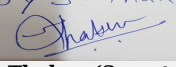
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available


53.Traffic Management

| | | |
|------------------|---|---|
| | Nos. of the junction to the main road & design of confluence: | Traffic generated from this project will confluent on 24m wide road. |
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | 5072.34 m ² |
| | Area per car: | 12,5 m ² /car |
| | Area per car: | 12.5 m ² /car |
| | Number of 2-Wheelers as approved by competent authority: | SCOOTERS : 203, CYCLES : 281 |
| | Number of 4-Wheelers as approved by competent authority: | 200 |
| | Public Transport: | CITY TRANSPORT BUSES (STAR BUSES) OPERATE FROM SITE TO CITY |
| | 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 | Category 8 (a) B2 as per EIA Notification dated 14th September 2006 and Category A - as per SO. 804(E) dt 14th March 2017 |

Joy S. Thakur

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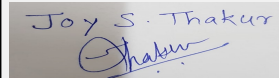
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Name: K. Anil D.
 Signature: 
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| | | |
|--|--|------------|
| | Court cases pending if any | NA |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 11-07-2017 |

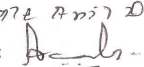
TOR Suggested Changes

| Consolidated Statement Point Number | Original Remarks | Submitted Changes |
|--|---|---|
| 2. Type of institution | TOR | Private |
| 4.Name of Consultant | M/s. Ultra-Tech (Environmental Consultancy & Laboratory) Lab Gazetted by MoEf - Govt. Of India. NABET Certificate no: NABET/EIA1417/SA011 | M/s. ULTRA TECH - NABET/EIA/1720/RA0094 |
| 11.Area of the project | Nagpur Metropolitan Area | NMRDA |
| 13.Note on the initiated work (If applicable) | Construction work has been initiated as per sanction received dated vide letter no. 3583 dated 8/9/10 and 52,939.985 m2 of BUA (FSI + Non FSI) is constructed on site | Construction work has been initiated as per building sanctioned received dated vide letter no.3583 dated 8/9/10 from Town Planning and Valuation Department Branch office Nagpur and built up area completed is about 55,805.40 m2 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA | Sanctioned vide letter no. 3583 dated 8/9/10 from Town Planning and Valuation Department Branch office Nagpur |
| 25.Tenant density per hectare | 335 | 140 |
| 26.Height of the building(s) | - | 23.95 m |
| 29.Existing structure (s) if any | Construction work has been initiated as per sanction received dated vide letter no. 3583 dated 8/9/10 and 52,939.985 m2 of BUA (FSI + Non FSI) is constructed on site; Construction Details = Semi Detached Bungalow (A Type) 1-36 & 38-91 - G+1 -90 stand complete; Detached Bungalow (A Type) - G+1 - 1 stand complete; Residential (B Type) - G+1 - 72 stand complete; Building No 1 - 2BHK (C Type) - S+7 - 2 stand complete; Building No 1 - 2 BHK (D Type) - S+7 - 4 stand complete; Building No 2 - 2 BHK (C | Construction work has been initiated as per sanctioned received from Town Planning and Valuation Department Branch office Nagpur dated vide letter no. 3583 dated 8/9/10 and 55805.40, m2 BUA (FSI + Non FSI) has been constructed on site; Construction Details = RH (G+1) - 72 stand completed Semi Detached Bungalow (G+1) & Detached Bungalow (A Type) SD 37 - 91 stand complete Building No. 1 - 2BHK (C Type) - S+7 - completed Building No 1 - 2 BHK (D Type) - S+7 - completed; Building No 2 - 2 BHK (C type) S+7 - completed; Building No 3- 2 BHK (D type) S+7 - completed; (2 buildings completed and 2 buildings are in under construction) Building No 4- 1 BHK (E type) S+7 - completed; |
| 32. Total Water Requirement - Source of water | Source of water - MIHAN | Source of water - MADC or local body |
| 32. Total Water Requirement - Dry season: | Total Water Requirement (CMD) : 534 | Total Water Requirement (CMD) : 403 |

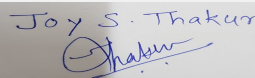

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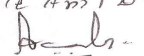
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|--|---|
| 32. Total Water Requirement - Wet season: | Recycled water - Gardening (CMD): 00 | Recycled water - Gardening (CMD): 66 |
| 32. Total Water Requirement - Wet season: | Excess treated water (CMD) : 192 | Excess treated water (CMD): 126 |
| 34. Rain Water Harvesting (RWH) | Level of the Ground water table: 5 m | Level of the Ground water table: 50 m - 60 m |
| 34. Rain Water Harvesting (RWH) | Quantity of recharge pits: 12 nos. | Quantity of recharge pits: 3 nos. |
| 34. Rain Water Harvesting (RWH) | Budgetary allocation (Capital cost) : Rs.45 lakh | Budgetary allocation (Capital cost) : Rs.11.25 lakh |
| 34. Rain Water Harvesting (RWH) | Budgetary allocation (O & M cost) : Rs.0.9 lakh | Budgetary allocation (O & M cost) : Rs.0.22 lakh |
| 34. Rain Water Harvesting (RWH) | Details of UGT tanks if any : Fire Fighting - 200 CMD | Details of UGT tanks if any : as per Std. |
| 36. Sewage and Waste water | Sewage generation in KLD: 376 | Sewage generation in KLD: 335 |
| 36. Sewage and Waste water | Capacity of STP (CMD): 390 | Capacity of STP (CMD): 350 |
| 36. Sewage and Waste water | Budgetary allocation (Capital cost): Rs.125 lakh | Budgetary allocation (Capital cost): Rs.66.80 lakh |
| 36. Sewage and Waste water | Budgetary allocation (O & M cost): Rs.15 Lakh | Budgetary allocation (O & M cost): Rs.0.66 Lakh |
| 37. Solid waste Management | Waste generation in the Pre Construction and Construction phase: Disposal of the construction waste debris: This material shall be used for back filling and leveling of the plot. | This material has been used for back filling and leveling of the plot. |
| 37. Solid waste Management | Waste generation in the operation Phase: Hazardous waste: Negligible | Waste generation in the operation Phase: Hazardous waste: NA |
| 37. Solid waste Management | Waste generation in the operation Phase: STP Sludge (Dry sludge): 56 kg/day | Waste generation in the operation Phase: STP Sludge (Dry sludge): 3.36 |
| 37. Solid waste Management | Waste generation in the operation Phase: Others if any: NA | Waste generation in the operation Phase: Others if any: Ewaste : As per Std. |
| 37. Solid waste Management | Mode of Disposal of waste: Hazardous waste: Will be handed over to authorized hazardous waste management | Mode of Disposal of waste: Hazardous waste: NA |
| 37. Solid waste Management | Mode of Disposal of waste: Others if any: NA | Mode of Disposal of waste: Others if any: Ewaste : Will be handed over to authorized dealer |
| 45. Number and list of trees species to be planted in the ground | 1. Name of the plant - Manilkara zapota : Common Name : Chiku - 95 no. | 1. Name of the plant - Manilkara zapota Common Name : Chiku - 0 no. |
| 45. Number and list of trees species to be planted in the ground | 2. Name of the plant - Mangifera indica : Common Name : Mango - 110 no. | 2. Name of the plant - Mangifera indica : Common Name : Mango - 120 no. |
| 45. Number and list of trees species to be planted in the ground | 3. Name of the plant - Neolamarkia cadamba : Common Name : Kadamb - 45 no. | 3. Name of the plant - Neolamarkia cadamba : Common Name : Kadamb - 60 no. |
| 45. Number and list of trees species to be planted in the ground | 4. Name of the plant - Milingtonia hortensis Akash : Common Name : Neem - 75 no. | 4. Name of the plant - Milingtonia hortensis Akash : Common Name : Neem - 100 no. |
| 45. Number and list of trees species to be planted in the ground | 5. Name of the plant - Cassia fistula : Common Name : Amaltas - 105 no. | 5. Name of the plant - Cassia fistula : Common Name : Amaltas - 75 no. |

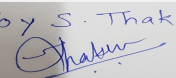

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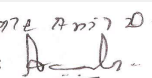
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|--|
| 45.Number and list of trees species to be planted in the ground | 7. Name of the plant - Albizia lebbeck : Common Name : Siris - 75 no. | 7. Name of the plant - Albizia lebbeck : Common Name : Siris - 0 no. |
| 45.Number and list of trees species to be planted in the ground | 8. Name of the plant - Bauhinia variegata : Common Name : Kachnar - 75 no. | 8. Name of the plant - Bauhinia variegata : Common Name : Kachnar - 0 no. |
| 45.Number and list of trees species to be planted in the ground | 9. Name of the plant - Kigelia pinnata : Common Name : Sausage Tree - 100 no. | 9. Name of the plant - Kigelia pinnata : Common Name : Sausage Tree - 0 no. |
| 45.Number and list of trees species to be planted in the ground | 10. Name of the plant - Ficus religiosa : Common Name : Peepal tree - 50 no. | 10. Name of the plant - Ficus religiosa : Common Name : Peepal tree - 0 no. |
| 45.Number and list of trees species to be planted in the ground | 11. Name of the plant - Prosopis cineraria : Common Name : Shami tree - 60 no. | 11. Name of the plant - Prosopis cineraria : Common Name : Shami tree - 60 no. |
| 45.Number and list of trees species to be planted in the ground | 12. Name of the plant - Bambusa vulgaris : Common Name : Bamboo - 68 no. | 12. Name of the plant - Bambusa vulgaris : Common Name : Bamboo - 80 no. |
| 45.Number and list of trees species to be planted in the ground | - | 13. Name of the plant - Syzigium cumini : Common Name : Jambhul - 75 no. |
| 45.Number and list of trees species to be planted in the ground | - | 14. Name of the plant - Emblica officinalis : Common Name : Aawala - 75 no. |
| 45.Number and list of trees species to be planted in the ground | - | 15. Name of the plant - Terminalia chebula : Common Name : Harada - 65 no. |
| 45.Number and list of trees species to be planted in the ground | - | 16. Name of the plant - Terminalia bellirica : Common Name : Baheda - 58 no. |
| 45.Number and list of trees species to be planted in the ground | - | 17. Name of the plant - Annona squamosa : Common Name : Citafal - 78 no. |
| 45.Number and list of trees species to be planted in the ground | - | 18. Name of the plant - Limonia acidissima : Common Name : Kawat - 75 no. |
| Total | 933 | 933 |
| 49.Energy saving by non-conventional method: | Auto Timer control for external & Common lighting | Auto Timer control for external |
| 50.Detail calculations & % of saving: | Energy Conservation Measures : Auto Timer control for external & Common lighting : 0.4% | Energy Conservation Measures : Auto Timer control for external : As per calculation |
| 50.Detail calculations & % of saving: | Energy Conservation Measures : Solar powered water heating : 18.1% | Energy Conservation Measures : Solar powered water heating : As per Calculation |
| 50.Detail calculations & % of saving: | Energy Conservation Measures : Solar PV Panels for common area lighting : 10% | Energy Conservation Measures : Solar PV Panels for common area lighting : as per calculation |
| 51.Details of pollution control Systems | Existing pollution control system : Domestic Sewage : STP Capacity 390 CMD | Existing pollution control system : Domestic Sewage : STP Capacity 350 CMD |
| 51.Details of pollution control Systems | Proposed to be installed : Domestic Sewage : Not applicable | Proposed to be installed : Domestic Sewage : STP already installed |
| 51.Details of pollution control Systems | Proposed to be installed : Domestic Solid Waste : Not Applicable | Proposed to be installed : Domestic Solid Waste : OWC already Installed |


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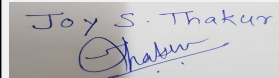
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Name: K. Anil Kale
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Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|---|
| 51.Details of pollution control Systems | Proposed to be installed : DG Set - 4 Nos. x 280 KVA; 1 Nos. x 65 KVA; 1 Nos. x 125 KVA : Not applicable | Proposed to be installed : DG Set - 4 Nos. x 280 KVA; 1 Nos. x 65 KVA; 1 Nos. x 125 KVA : Already installed |
| 52.Environmental Management plan Budgetary Allocation | b) Operation Phase (with Break-up): Storm Water : RWH : Capital cost Rs.45 In Lacs : Operational and Maintenance cost (Rs.9.0 in Lacs/yr) | b) Operation Phase (with Break-up): Storm Water : RWH : Capital cost Rs.11.25 In Lacs : Operational and Maintenance cost (Rs.0.22 in Lacs/yr) |
| 52.Environmental Management plan Budgetary Allocation | b) Operation Phase (with Break-up): Sewage : STP : Capital cost Rs.125 In Lacs : Operational and Maintenance cost (Rs.15 in Lacs/yr) | b) Operation Phase (with Break-up): Sewage : STP : Capital cost Rs.66.80 In Lacs : Operational and Maintenance cost (Rs.0.66 in Lacs/yr) |
| 53. Any Other Information | No Information Available | Construction work has been initiated as per sanctioned received from Town Planning and Valuation Department Branch office Nagpur dated vide letter no. 3583 dated 8/9/10 and 55805.40, m2 BUA (FSI + Non FSI) has been constructed on site |
| 54. Traffic Management | Area per car: 12.5 m2/car | Area per car: 30 m2 |
| 54. Traffic Management | Area per car: 12.5 m2/car | Area per car: 30 m2 |
| 54. Traffic Management | Width of all Internal roads (m): 6m | Width of all Internal roads (m): 9m, 12m and 15m |
| 54. Traffic Management | Other Relevant Information : NA | Other Relevant Information : Construction work has been initiated as per sanctioned received from Town Planning and Valuation Department Branch office Nagpur dated vide letter no. 3583 dated 8/9/10 and 55805.40, m2 BUA (FSI + Non FSI) has been constructed on site |

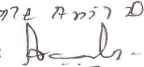
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |


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Name: K. Anil Kale
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SEAC-III)**

| | |
|---|---|
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 86,900 m², FSI area of 50,190.466 m², Non FSI area of 7844.614 m² and total BUA 58,035.080 m².

The building configuration of the proposal is as below:

1 Semi Detached Bungalow (A Type) 1-36 & 38-91 G + 1 Height 7.5

2 Detached Bungalow (A Type) G + 1 Height 7.5

3 Residential (B Type) G + 1 Height 7.5

4 Building No 1 2BHK (C Type) S + 7 Height 23.95

5 Building No 1 2 BHK (D Type) S + 7 Height 23.95

6 Building No 2 2 BHK (C Type) S + 7 Height 23.95

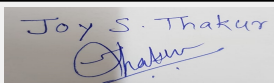
7 Building no 3 2 BHK (D Type) S + 7 Height 23.95

8 Building no 4 1 BHK (E Type) S + 7 Height 23.95

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. PP informed that the total constructed area on site is: 52939.985 m².

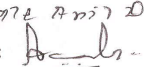
PP was issued Terms of Reference in 84th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.


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SEAC-III)**

DECISION OF SEAC

During discussion following points emerged:

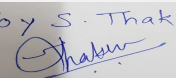
1. The project cost is Rs. 98 Cr. PP stated that cost of part completed project is Rs.90 Cr, however, PP has not submitted completion certificate from Planning Authority. PP to submit the same then only exemption of Rs, 90 Cr will be given for CER. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.
2. PP informed that he has entered into agreement with nearby farmers accepting excess treated water from PP for agricultural purpose. PP to submit copy of agreement and undertake to meet the standards of treated water with prevailing norms of Environment (P) Rules, 1986 pertaining to discharge of treated water on land / nalla.
3. PP to submit colour image copy of land use / land cover map.
4. PP to submit analysis report of existing STP.
5. PP to submit debris management plan.
6. PP to submit revised EMP incorporating cost of laying sewer line and storm water drain up to final disposal point.
7. PP to submit co-ordinated master layout superimposing all environmental parameters.
8. PP to submit details of UGT.
9. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) solid waste (e) Garden NOC.(f) Tree cutting NOC.
10. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

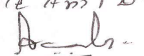
FINAL RECOMMENDATION

SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

Joy S. Thakur

Joy S. Thakur (Secretary
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Name: K. Anil Kale
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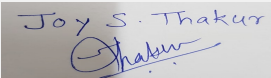
102 SEAC-3 meeting day 01

SEAC Meeting number: 102 Meeting Date January 22, 2020

Subject: Environment Clearance for "Dynamic Imperia " Residential & Commercial at Survey No. 4/2/1,4/2/2,4/2/4 Pisoli, Pune by Vedant Dynamic Associates

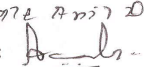
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | "Dynamic Imperia " Residential & Commercial at Survey No. 4/2/1,4/2/2,4/2/4 Pisoli, Pune by Vedant Dynamic Associates . Applied for amendment in Environment Clearance granted from Pune Metropolitan Regional Development Authority having EC file no. TPS -1816/CR-443/16-DP Directors / UD-13/4/2017 dated 6.12.2017 |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Vedant Dynamic Associates through Mr. Rajiv Sonkar |
| 4.Name of Consultant | M/s. ULTRA TECH NABET/EIA/1720/RA0094 |
| 5.Type of project | Residential & Commercial |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Amendment in EC |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes - Amendment We have received 1st EC vide file no. TPS -1816/CR-443/16-DP Directors / UD-13/4/2017 dated 6 Dec. 2017 from PMRDA |
| 8.Location of the project | Survey No. 4/2/1,4/2/2,4/2/4 Pisoli, Pune |
| 9.Taluka | Haveli |
| 10.Village | Pisoli, |
| Correspondence Name: | Mr. Rajiv Sonkar |
| Room Number: | - |
| Floor: | 3rd Floor |
| Building Name: | Arcadian building |
| Road/Street Name: | Between 5th & 6th lane, North main road |
| Locality: | Koregaon Park |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pune Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | To be applied on 12/8/2019 IOD/IOA/Concession/Plan Approval Number: To be applied on 12/08/2019 Approved Built-up Area: 38790.92 |
| 13.Note on the initiated work (If applicable) | We have started construction as per EC received, partly completed and constructed area is 3659.75 m2 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Not applicable |
| 15.Total Plot Area (sq. m.) | 17,700 m2 |
| 16.Deductions | 6639.43 m2 |
| 17.Net Plot area | 11,060.57 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 24,886.80 m2 b) Non FSI area (sq. m.): 13,904.12 m2 c) Total BUA area (sq. m.): 38790.92 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 24,886.80 m2 Approved Non FSI area (sq. m.): 13,904.12 m2 Date of Approval: 12-08-2019 |
| 19.Total ground coverage (m2) | 3548.21 m2 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 32.00% |
| 21.Estimated cost of the project | 900000000 |


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22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|-----------------------------|--------------------|-------------------------------|
| 1 | A | LG+UG+Stilt+12 FL. | 41.70 |
| 2 | B | LG+UG+Stilt+12 FL. | 41.70 |
| 3 | C | LG+G+ 2 FL. | 12.35 |
| 4 | D | GR.P+ 4 FL. | 16.20 |
| 5 | Amenity (for E Bldg.)School | STILT+G+ 4 FL. | 21.60 |
| 6 | F | GR+1FL | 6.55 |

| | |
|--|--|
| 23.Number of tenants and shops | Residential- 298 Nos. Commercial complex- 99 Nos. |
| 24.Number of expected residents / users | Residential Population - 1490 Nos. ; Commercial Population - Comm. - 720 nos. , School -975 Nos. Total - 3185 Nos. |
| 25.Tenant density per hectare | 298 tenant/hector |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 12m & 24m |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Turning radius for easy access of fire tender movement is 9m |
| 29.Existing structure (s) if any | Yes - Amendment We have received EC vide file no. TPS -1816/CR-443/16-DP Directors / UD-13/4/2017 dated 6 Dec. 2017 from PMRDA |
| 30.Details of the demolition with disposal (If applicable) | Not applicable |

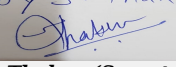
31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement


| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 17 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | | |
|-----------------------------------|--|------------|----------------|
| Dry season: | Source of water | PMC | |
| | Fresh water (CMD): | 169 | |
| | Recycled water - Flushing (CMD): | 108 | |
| | Recycled water - Gardening (CMD): | 7 | |
| | Swimming pool make up (Cum): | 2 | |
| | Total Water Requirement (CMD) : | 285 | |
| | Fire fighting - Underground water tank(CMD): | 250 | |
| | Fire fighting - Overhead water tank(CMD): | 850 | |
| | Excess treated water | 145 | |
| Wet season: | Source of water | PMC | |
| | Fresh water (CMD): | 169 | |
| | Recycled water - Flushing (CMD): | 108 | |
| | Recycled water - Gardening (CMD): | - | |
| | Swimming pool make up (Cum): | 2 | |
| | Total Water Requirement (CMD) : | 277 | |
| | Fire fighting - Underground water tank(CMD): | 250 | |
| | Fire fighting - Overhead water tank(CMD): | 850 | |
| | Excess treated water | 152 | |
| Details of Swimming pool (If any) | 1. Main Pool -12m x 6m x 1.2m Depth Water requirement - 86,400Liters Balancing Tank Volume - 5,000 Liters Total water Requirement in KL: -91.4 cum/day Details of Plant & Machinery used for treatment of Swimming pool water: High Rate Sand Filter recirculation Filtration system consist of FRP Filter,Pump, Pool Basin Equipment, Recirculating PVC Plumbing, Cleaning Kit. Details of quality to be achieved for swimming pool water and parameters to be monitored: Chlorine Dosing Systems, Cleaning Kit, Test Kit. pH - 7.5 -8.5; Chlorine - 0.5-0.2 ppm, Total alkalinity - 50-500 ppm, Budgetary allocation (Capital cost): 13.0 lakhs (O&M cost):0.9 lakhs/yr. | | |
| | 33.Details of Total water consumed | | |
| Particulars | Consumption (CMD) | Loss (CMD) | Effluent (CMD) |

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| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
|--|--|----------------|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| | | | | | | | | | |
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | | Summer Season - 32.00 m. to 37.00 m. BGL. (34.50 M. Average) Rainy Season - 12.80 m. to 22.00 BGL. (17.40 M. Average) Winter Season - 22.40 m. to 29.50 m. BGL. (25.95 M. Average) | | | | | | |
| | Size and no of RWH tank(s) and Quantity: | | Not applicable | | | | | | |
| | Location of the RWH tank(s): | | Not applicable | | | | | | |
| | Quantity of recharge pits: | | 8 Nos. | | | | | | |
| | Size of recharge pits : | | a) RWH Pit - 6 no. of Size: 2.0m. X 2.0 m. X 1.5 m. with 6 mm to 60 m of bore b) RWH Pit - 2 nos. of Size 1.75 m X 1.75 m X 1.75 m Depth 6 mm with 6 mm to 60 m of bore | | | | | | |
| | Budgetary allocation (Capital cost) : | | 10.40 Lakhs | | | | | | |
| | Budgetary allocation (O & M cost) : | | 0.50 lakhs per year | | | | | | |
| | Details of UGT tanks if any : | | Domestic : 307 cum/day Flushing : 108 cum/day Fire : 250 cum/day | | | | | | |
| | | | | | | | | | |
| 35.Storm water drainage | Natural water drainage pattern: | | As per storm water layout | | | | | | |
| | Quantity of storm water: | | 736.32 m3 / hr | | | | | | |
| | Size of SWD: | | 600 mm | | | | | | |
| | | | | | | | | | |
| Sewage and Waste water | Sewage generation in KLD: | | 260 | | | | | | |
| | STP technology: | | MBBR (Anoxic Aerobic Process) | | | | | | |
| | Capacity of STP (CMD): | | 2 Nos. Total capacity - 285 KLD. 240 KLD x 1 No & 45 KLD x 1 No | | | | | | |
| | Location & area of the STP: | | Above ground (open to sky). Area for 240 KLD - 116.82 m2 , Area for 45 KLD - 25.30 m2 Total Area - 142.12 m2 | | | | | | |
| | Budgetary allocation (Capital cost): | | 100.00 Lakhs | | | | | | |
| | Budgetary allocation (O & M cost): | | 13.25 Lakhs per annum | | | | | | |
| 36.Solid waste Management | | | | | | | | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | | 8500m3 for backfilling and levelling (7000 +1500) | | | | | | |
| | Disposal of the construction waste debris: | | Topsoil to be preserved & remaining will be used for back filling | | | | | | |
| Waste generation in the operation Phase: | Dry waste: | | 552 kg per day | | | | | | |
| | Wet waste: | | 617 kg per day | | | | | | |
| | Hazardous waste: | | Not applicable | | | | | | |
| | Biomedical waste (If applicable): | | Not applicable | | | | | | |
| | STP Sludge (Dry sludge): | | 57 kg per day | | | | | | |
| | Others if any: | | E waste - 7.00 kg/day | | | | | | |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Will be handed over to PMC |
| | Wet waste: | Will be treated in OWC |
| | Hazardous waste: | Not applicable |
| | Biomedical waste (If applicable): | Not applicable |
| | STP Sludge (Dry sludge): | Used as manure |
| | Others if any: | E-waste - Handover to authorized dealer |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | 20 m2 |
| | Area for machinery: | 64 m2 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 25.50 Lakhs |
| | O & M cost: | 5.77 lakhs per annum |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water sent to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

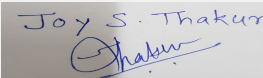
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |


40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|--|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 41. Source of Fuel | | Not applicable | | |
| 42. Mode of Transportation of fuel to site | | Not applicable | | |

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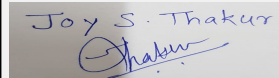
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Name: K. Anil D.

 Signature: Shri. Anil Kale (Chairman SEAC-III)

| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 1561.48 m2 |
| | No of trees to be cut : | 0 |
| | Number of trees to be planted : | Proposed trees - 155 nos., Planted trees (Amenity) - 34 Nos. , Planted Existing Trees - 30 Nos. Existing trees -186 Nos. out of Retained trees -5 Nos. , Transplanted - 181 Nos. |
| | List of proposed native trees : | Listed below |
| | Timeline for completion of plantation : | Partly completed |

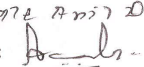
44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|--|-----------------|----------|---|
| 1 | Michelia Champaka | Chafa | 12 | Good for ornamental purpose |
| 2 | Cassia Fistula | Bahawa | 11 | Have medical properties & larval host for butterflies |
| 3 | Anthocephallus cadamba | Kadamb | 11 | Good for roadside plantation and provide shade |
| 4 | Saraca indica | Sita ashok | 11 | Spreading, evergreen tree suitable for all types of gardens |
| 5 | Bauhinia racemosa | Apta | 11 | Drought resistant, good air purifier & have medicinal properties |
| 6 | Lagerstromia flosreginea | Tamhan | 11 | Good as a avenue tree, good for group planting around water gardens & ponds |
| 7 | Lagerstromia flosreginea | Tamhan | 11 | Good as a avenue tree, good for group planting around water gardens & ponds |
| 8 | Khaya grandis | Mohagani | 11 | Good for ornamental purpose |
| 9 | Khaya grandis | Mohagani | 11 | Good for ornamental purpose |
| 10 | Acrus sapota | Chickoo | 11 | Fruit bearing tree |
| 11 | Psidiumguajava | Guava | 11 | Fruit bearing tree |
| 12 | Annona squamosa | Sitaphal | 11 | Fruit bearing tree |
| 13 | Albizialebeck | Shirish | 11 | Good for roadside plantation & provide shade |
| 14 | Magniferaindica | Mango | 11 | Fruit bearing tree |
| 15 | Total Proposed Nos. | - | 155 Nos. | - |
| 16 | Planted Trees (on Ground)Amenity Plot | - | - | - |
| 17 | Micheliachampaka | Chafa | 17 | Good for ornamental purpose |
| 18 | Anthocephalluscadamba | Kadamb | 17 | Good for roadside plantation and provide shade |
| 19 | Total | - | 34 Nos. | - |
| 20 | List of Planted Existing trees | - | - | - |
| 21 | Swieteniamahagoni | Indian mahogany | 17 | - |
| 22 | Anthocephalluscadamba | Kadamb | 13 | - |
| 23 | Total | - | 30 Nos. | - |


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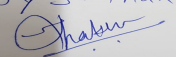
| | | | | |
|----|------------------------------|-----------------|----------|---|
| 24 | List of Trees To be Retained | - | - | - |
| 25 | Azadirachtaindica | Kadu limb | 3 | - |
| 26 | Ficusbengalensis | Wad | 2 | - |
| 27 | Total | - | 5 Nos. | - |
| 28 | List to be transplanted | - | - | - |
| 29 | Azadirachtaindica | Kadu limb | 27 | - |
| 30 | Eucalyptus | Nilgiri | 21 | - |
| 31 | Gliricidiasepium | Giripushpa | 3 | - |
| 32 | Punicagranatum | Dalimb | 1 | - |
| 33 | Swieteniamahagani | Indian mahogany | 2 | - |
| 34 | Silver oak | Silver oak | 1 | - |
| 35 | Moringaoleifera | Shevga | 4 | - |
| 36 | Leucaenaleucocephala | Saubabul | 121 | - |
| 37 | Vachellianilotica | Kateri babul | 5 | - |
| 38 | Ficusbengalensis | Wad | 2 | - |
| 39 | Ziziphusmauritiana | Bor | 2 | - |
| 40 | Total | - | 181 Nos. | - |

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 | Thevetianerifolia | 0.90m | - |
| 2 | Stachytarpheta | 0.45 m | - |
| 3 | Plumbagozeylanica | 0.45m | - |
| 4 | Acoruscalamus | 0.30m | - |
| 5 | Korphad | 0.30m | - |
| 6 | Silver oak | 0.30m | - |
| 7 | Ocimum sanctum | 0.30m | - |
| 8 | Nerium oleander | 0.75m | - |
| 9 | Hibiscus | 0.60 m | - |

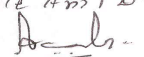
47.Energy

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Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---------------------------|--|--------------------------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 75 kW |
| | DG set as Power back-up during construction phase | 82.5 kVA x 1 No |
| | During Operation phase (Connected load): | 1845 KW |
| | During Operation phase (Demand load): | 998 KW |
| | Transformer: | 2 Nos. x 630 kVA |
| | DG set as Power back-up during operation phase: | 1 x 140 kVA ; 1 x 45 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | Not applicable |

48. Energy saving by non-conventional method:

- Auto Timer Control for external & common lightning
- Use of CFL / LED lamps in all public / common areas
- Solar Powered water heating
- Electronic V3F drives for elevators
- Solar PV Panel power for common area lightning

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--------------------------------|------------------------------|
| 1 | Solar PV Panels | 25650 kWh/annum (0.71%) |
| 2 | Timer Logic Controller | 24892 kWh/annum (0.69%) |
| 3 | Electronic V3F drive for Lifts | 19060 kWh/annum (0.53%) |
| 4 | Solar Water Heater | 311112 kWh/annum (8.65%) |
| 5 | Total | 380714 KWH / Annum (10.59 %) |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|------------------------|---------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 70.44 Lakhs |
| | O & M cost: | 3.6 Lakhs per annum |

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-------------|----------------------------|------------------------------------|
| 1 | Air & Noise | Water For Dust Suppression | 0.9 |

| | | | |
|--|--|----------------------|--|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 23 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

| | | | |
|---|----------------|--|------|
| 2 | Air & Noise | Air & Noise monitoring | 0.5 |
| 3 | Water | Tanker water for construction & worker | 1.12 |
| 4 | Water | Water monitoring | 0.03 |
| 5 | Land | Labour toilets 10 Nos. Cleaning 10,000 Rs./month | 1.00 |
| 6 | Biological | Gardening & Excavation | 0.95 |
| 7 | Socio-economic | Disinfection at site, Safety, First Aid, Health Hygiene Facilities, Health Check Up,, Creches for children & Personal Protective Equipment | 5.7 |
| 8 | Total | - | 10.2 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------------------------|---|--------------------------|---|
| 1 | STP Cost | 2 No. of STP 240 X1 (A to F Buildings) 45 X1 (for school) | 100.00 | 13.25 |
| 2 | Rain Water Harvesting | 8 nos. of recharge pits | 10.40 | 0.50 |
| 3 | Environmental Monitoring | - | - | 0.60 |
| 4 | Gardening | Plantation of native trees | 12.00 | 3.55 |
| 5 | Solid waste | 2 Nos. of OWC | 25.50 | 5.77 |
| 6 | Energy | Energy saving measures | 70.44 | 3.6 |
| 7 | Swimming pool | 1 No. | 13.00 | 0.9 |
| 8 | Storm water & drainage line | Drainage line | 18.51 | 3.60 |
| 9 | Total | - | 249.85 | 31.77 |

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 |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

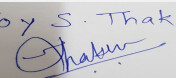
52.Any Other Information

No Information Available

53.Traffic Management

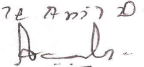
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|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 24 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | |
|---|--|---|
| | Nos. of the junction to the main road & design of confluence: | 2 Nos. |
| Parking details: | Number and area of basement: | Not applicable |
| | Number and area of podia: | Not applicable |
| | Total Parking area: | Total Cover Parking - 7633.20 m2 Open parking - 1264.40 m2 Total = 8897.60 m2 For School : Total Cover Parking - 177.00 m2 Open parking - 588.60 m2 Total = 765.6 m2 |
| | Area per car: | 30 |
| | Area per car: | 30 |
| | Number of 2-Wheelers as approved by competent authority: | 813 nos |
| | Number of 4-Wheelers as approved by competent authority: | 186 nos. |
| | Public Transport: | Nearest bus stop - Pisoli Gaon Bus Stop |
| | Width of all Internal roads (m): | 12 m , 15 m & 24 m |
| | CRZ/ RRZ clearance obtain, if any: | Not applicable |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | None within 10 Km |
| | Category as per schedule of EIA Notification sheet | 8a (B2) |
| | Court cases pending if any | Not applicable |
| | Other Relevant Informations | We have received 1st EC vide file no. TPS -1816/CR-443/16-DP Directors / UD-13/4/2017 dated 6 Dec. 2017 from PMRDA Now we are applying for Amendment due to change in FSI & NON FSI Area as per DCR Rule |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Environmental Impacts of the project | - | |
| Water Budget | - | |

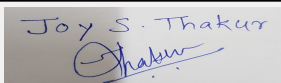
Joy S. Thakur

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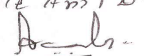
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | |
|--|---|
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |


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PP had submitted application for prior Environmental clearance for amendment in previous EC for total plot area of 17,700 m2, FSI area of 24,886.80 m2, Non FSI area of 13,904.12 m2 and total BUA of 38,790.92 m2.

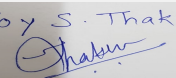
PP has received 1st EC vide file no. TPS -1816/CR-443/16-DP Directors / UD-13/4/2017 dated 6th Dec. 2017 from PMRDA.

The building configuration of the proposal is as below:

- | | | | |
|---|--|--------------------|--------------|
| 1 | A | LG+UG+Stilt+12 FL. | Height 41.70 |
| 2 | B | LG+UG+Stilt+12 FL. | Height 41.70 |
| 3 | C | LG+G+ 2 FL. | Height 12.35 |
| 4 | D | GR.P+ 4 FL. | Height 16.20 |
| 5 | Amenity (for E Bldg.)School STILT+G+ 4 FL. | | Height 6.55 |
| 6 | F | GR+1FL | Height 21.6 |

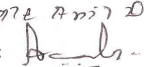
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC


Joy S.Thakur (Secretary
SEAC-III)

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During discussion following points emerged:

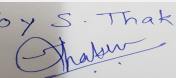
1. In CER PP has proposed erection of 160 street lights. PP has also added the cost of 1006 trees in this. PP to bifurcate the activities and submit budgets for individual activities. PP to submit revised CER.
2. PP to obtain fire NOC for A wing (9th to 12th floor) and D wing (12th floor).

SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

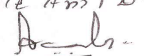
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

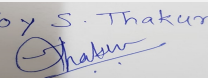
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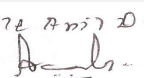
102 SEAC-3 meeting day 01**SEAC Meeting number: 102 Meeting Date January 22, 2020****Subject:** Environment Clearance for Proposed Housing Scheme for MHADA (Phase I + Phase II) at S.No. 126 +127/1, Tathawade, Taluka - Mulshi, District- Pune.**Is a Violation Case:** No

| | |
|---|---|
| 1.Name of Project | Proposed Housing Scheme for MHADA (Phase I + Phase II) |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | Pune Housing and Area Development Board, Pune. (A Unit of MHADA) |
| 4.Name of Consultant | Fine Envirotech Engineers |
| 5.Type of project | Housing Project -MHADA |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Amendment in Environmental Clearance. |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes, Environmental Clearance received vide no. SEAC 2013/C.R.467/TC3, Dated:1/12/2015 from Government of Maharashtra. |
| 8.Location of the project | S.No. 126 +127/1, Tathawade, Taluka - Mulshi, District- Pune |
| 9.Taluka | Mulshi |
| 10.Village | Tathawade |
| Correspondence Name: | Pune Housing and Area Development Board, Pune. (A Unit of MHADA) |
| Room Number: | 01 |
| Floor: | 3rd Floor |
| Building Name: | Grihanirman Bhavan |
| Road/Street Name: | Alankar Talkies Road |
| Locality: | MHADA Building, Agarkar Nagar |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pimpri- Chinchwad Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | IOD approval received from Building Permission Department PCMC, Pimpri, Pune, dated:20/04/2019. Sanctioned No. B.P/ENV/Tathawade/ 03/ 2019. IOD/IOA/Concession/Plan Approval Number: Sanctioned No. B.P/ENV/Tathawade/ 03/ 2019, Dated:20/04/2019 Approved Built-up Area: 141237.58 |
| 13.Note on the initiated work (If applicable) | No work is initiated. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 56,509.16 sq.mt. |
| 16.Deductions | 16,053.79 sq.mt. |
| 17.Net Plot area | 40,455.37 sq.mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 141,237.58 sq.mt. (Phase I - 51,593.04 sq.mt. + Phase II - 89,644.54 sq.mt.) b) Non FSI area (sq. m.): 1,30,227.20 sq.mt. (Phase I - 44,375.90 sq.mt. + Phase II - 85,851.30 sq.mt.) c) Total BUA area (sq. m.): 271464.78 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 141,237.58 sq.mt. Approved Non FSI area (sq. m.): 1,30,227.20 sq.mt. Date of Approval: 20-04-2019 |
| 19.Total ground coverage (m2) | 10,922.29 sq.mt. (Phase I - 3,579.48 sq.mt. + Phase II - 7,342.81 sq.mt.) |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 27.00 % |
| 21.Estimated cost of the project | 6250000000 |

Joy S. Thakur

Joy S.Thakur (Secretary
SEAC-III)

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**Shri. Anil Kale (Chairman
SEAC-III)**

22.Number of buildings & its configuration

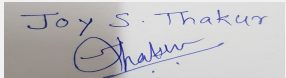
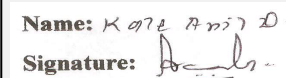
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|---|---|---|
| 1 | Phase - I | | |
| 2 | Residential Buildings (MIG) - 04 Nos (Building C1, Building C2, Building C3, Building C4) | 2 Basement + Stilt Parking + 22 Floors | 66.88 m |
| 3 | PHASE - II | | |
| 4 | Residential Buildings (MIG) - 02 Nos. (Building A1 , Building A2) | Building A1-2 Basement + Stilt Parking + 22 Floors., Building A2- 2 Basement + Stilt Parking + 21 Floors. | Building A1 - 68.50 m., Building A2 - 65.55 m |
| 5 | Residential Buildings (HIG) - 01 No. (Building B1) | 2 Basement + Stilt Parking + 22 Floors. | 68.50 m |

| | |
|--|---|
| 23.Number of tenants and shops | Total Residential Tenements - 1,262 nos. (Phase I - 680 nos + Phase II - 582 nos) Commercial :Shops - 45 nos. and Offices -13 nos. |
| 24.Number of expected residents / users | Total Residents - 6,310 nos. (Phase I - 3,400 nos. + Phase II - 2,910 nos.) and Commercial users - 7,050 nos. |
| 25.Tenant density per hectare | 250 per hectare |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 60.00 m wide road main road and 18.00 m wide road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9.00 m turning radius for easy access of fire tender movement from all around building excluding the width for the plantation. |
| 29.Existing structure (s) if any | NA |
| 30.Details of the demolition with disposal (If applicable) | NA |

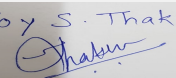
31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

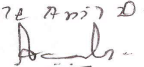
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|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 30 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | | | | | | | | | |
|------------------------------------|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Dry season: | Source of water | PCMC/ Recycled water | | | | | | | | |
| | Fresh water (CMD): | 709 kld (Phase I - 306 kld + Phase II - 403 kld) | | | | | | | | |
| | Recycled water - Flushing (CMD): | 460 kld (Phase I - 153 kld + Phase II - 307 kld) | | | | | | | | |
| | Recycled water - Gardening (CMD): | 27 kld | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 1,196 kld | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 800 kld | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 200 kld | | | | | | | | |
| | Excess treated water | 355 kld | | | | | | | | |
| Wet season: | Source of water | PCMC/ Recycled water | | | | | | | | |
| | Fresh water (CMD): | 709 kld (Phase I - 306 kld + Phase II - 403 kld) | | | | | | | | |
| | Recycled water - Flushing (CMD): | 460 kld (Phase I - 153 kld + Phase II - 307 kld) | | | | | | | | |
| | Recycled water - Gardening (CMD): | NA | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 1,169 kld | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 800 kld | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 200 kld | | | | | | | | |
| | Excess treated water | 382 kld | | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | |

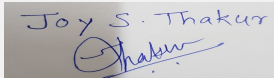
Joy S. Thakur

 Joy S. Thakur (Secretary SEAC-III)

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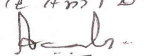
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Pre Monsoon 26m and post Monsoon 4m below Ground level. |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 10 nos. |
| | Size of recharge pits : | 2m X 2m X 2m Depth |
| | Budgetary allocation (Capital cost) : | Rs. 10 Lakhs |
| | Budgetary allocation (O & M cost) : | Rs. 2.5 Lakhs / year |
| | Details of UGT tanks if any : | Domestic water tank - 622.35 cum. Flushing water tank - 311.17 cum. Fire water tank - 800 cum. |
| 35.Storm water drainage | Natural water drainage pattern: | Open storm water drain with gratings are proposed |
| | Quantity of storm water: | 0.75 m ³ /sec |
| | Size of SWD: | 450/600/800/900 mm wide |
| Sewage and Waste water | Sewage generation in KLD: | 936 kld (Phase I - 367 kld + Phase II - 569 kld) |
| | STP technology: | MBBR Technology |
| | Capacity of STP (CMD): | 1 STP of capacity 700 kld and 1 STP of capacity 270 kld |
| | Location & area of the STP: | Area for STP of capacity 700 kld - 450 sq.mt., Location - On Ground and Area for STP of capacity 270 kld - 112 sq.mt., Location - On Ground |
| | Budgetary allocation (Capital cost): | Rs. 150 Lakhs |
| | Budgetary allocation (O & M cost): | Rs. 40 Lakhs |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated materials quantity - 88,117.00 cum |
| | Disposal of the construction waste debris: | Excavated material of quantity 22,350.00 cum shall be partly reused for backfilling and leveling on site and remaining excavated material 65,767.00 cum shall be disposed by authorized contractor |
| Waste generation in the operation Phase: | Dry waste: | 2,496 kg/day (Phase I - 680 kg/day + Phase II - 1,816 kg/day) |
| | Wet waste: | 2,588 kg/day (Phase I - 1,020 kg/day + Phase II -1,402 kg/day + Gardening waste -166 kg/day) |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 73 kg. |
| | Others if any: | NA |

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Dry waste will be handed over to authorized agency/recycler. |
| | Wet waste: | Wet waste will be process in Organic Waste Converter and compost will be used as manure for gardening. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Used as manure for gardening |
| | Others if any: | NA |
| Area requirement: | Location(s): | On Ground |
| | Area for the storage of waste & other material: | 100 sq.mt. |
| | Area for machinery: | 30 sq.mt. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 50 Lakhs |
| | O & M cost: | Rs. 15 Lakhs |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

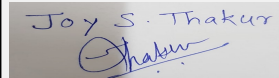
| | |
|---|----------------|
| 41.Source of Fuel | Not applicable |
| 42.Mode of Transportation of fuel to site | Not applicable |

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 33 of 62 | Name: K. Anil D.  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | |
|----------------------------------|--|---|
| 43.Green Belt Development | Total RG area : | 4,495.04 sq.mt |
| | No of trees to be cut : | NA |
| | Number of trees to be planted : | 565 nos. |
| | List of proposed native trees : | Karanj, Shivan, Putranjiva, Neem, Son chafa, Nandruk, Palas, Shirish, Parijatak, Kanchan, Bhava, Savar, Mango, Awala, Guava, Tamarind, Pangara, Kadam, Kunti, Sita Ashoka, Bakul, Arjun, Apta, Ber, Chapa, Nirgudi, Stachytarpheta. |
| | Timeline for completion of plantation : | 2 Years |

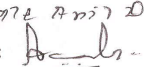
44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|--------------------------|-------------|----------|---|
| 1 | Pongamia pinnata | Karanj | 15 nos. | Shady tree |
| 2 | Gmelina arborea | Shivan | 07 nos. | Fast growing tree with beautiful yellow flowers |
| 3 | Putranjiva roxburghii | Putranjiva | 08 nos. | Medium sized evergreen tree |
| 4 | Azadirachta indica | Neem | 50 nos. | Semi-evergreen tree with medicinal value |
| 5 | Michelia champaca | Son Chafa | 16 nos. | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant |
| 6 | Ficus retusa | Nandruk | 08 nos. | Medium sized evergreen tree, Shady tree. |
| 7 | Butea monosperma | Palas | 06 nos. | Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant |
| 8 | Albizia lebbeck | Shirish | 57 nos. | Shady tree, yellowish green fragrant flowers |
| 9 | Nyctanthes arbor-tristis | Parijatak | 55 nos. | Small deciduous fast growing tree, beautiful flowers. |
| 10 | Bauhinia purpurea | Kanchan | 30 nos. | Butterfly host plant |
| 11 | Cassia fistula | Bhava | 58 nos. | Drought tolerant, ornamental and medicinal plant |
| 12 | Bombax ceiba | Savar | 10 nos. | Large deciduous tree. Flowers attract many birds. |
| 13 | Mangifera indica | Mango | 10 nos. | Edible fruit , bird attracting species |
| 14 | Emblica officinalis | Awala | 10 nos. | Medium size tree with green yellow flowers |
| 15 | Psidium guajava | Guava | 05 nos. | Small tree with white flower and green colored fruit. |
| 16 | Tamarindus indica | Tamarind | 20 nos. | Medicinal value, Edible fruit |
| 17 | Erythrina indica | Pangara | 12 nos. | Medium sized deciduous tree. Bright scarlet flowers |
| 18 | Anthecephalus cadamba | Kadamba | 08 nos. | Shady, large tree, ball shaped flowers |
| 19 | Murraya paniculata | Kunti | 07 nos. | Small tree, Fragrant white flowers, Butterfly host plan |


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| | | | | |
|----|---------------------|----------------|---------|--|
| 20 | Saraca asoka | Sita Ashoka | 08 nos. | Shady tree with red yellow flowers. Good for road side plantation |
| 21 | Mimusops elengi | Bakul | 18 nos. | Shady tree, small white fragrant flowers |
| 22 | Termilia cuniata | Arjun | 24 nos. | Large trees of the flowering plant |
| 23 | Bauhinia racemosa | Apta | 45 nos. | Draught resistance and good air purifier |
| 24 | Ziziphus mauritiana | Ber | 08 nos. | Small tree with fragrant white flowers |
| 25 | Plumeria alba | Chapa | 09 nos. | Beautiful white flowers, Butterfly host plant |
| 26 | Vitex negundo | Nirgudi | 16 nos. | Good for Hedge, flowers attract butterflies & moth |
| 27 | Stachytarpheta sp. | Stachytarpheta | 45 nos. | Ornamental, flowers attract butterflies |

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

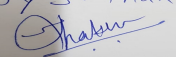
| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | Maharashtra State Electricity Distribution Company Limited (MSSEDCL) |
| | During Construction Phase: (Demand Load) | 350 KW |
| | DG set as Power back-up during construction phase | 400 KW |
| | During Operation phase (Connected load): | 16,308.5 KW (Phase I - 4,736 KW + Phase II - 11,572.5 KW) |
| | During Operation phase (Demand load): | 8,817.06 KW (Phase I - 2,126.72 KW + Phase II - 6,690.34 KW) |
| | Transformer: | 19 nos. of 630 KVA |
| | DG set as Power back-up during operation phase: | 5 nos x 320 KVA + 3 nos. of 500 KVA (Phase I- 2 nos x 320 KVA + 1 no. of 500 KVA + Phase II - 3 nos x 320 KVA +2 nos. of 500 KVA) |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48.Energy saving by non-conventional method:

- 1) LED Tube Lights for common area lights.
- 2) PV Solar system for common lights.
- 3) VVVF Drive for Lift motor.

49.Detail calculations & % of saving:


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

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Name: K. Anil D.
Signature: 

**Shri. Anil Kale (Chairman
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| | | |
|---|--|--------|
| 1 | Energy saving by using LED light Fixture | 36 % |
| 2 | Energy saving by using solar system for common areas | 1.01 % |
| 3 | Energy saving by using VVVF drive for lift | 35 % |

50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|---|---------------|--------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 120 Lakhs |
| | O & M cost: | Rs. 6 Lakhs / year |

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------------|--|------------------------------------|
| 1 | Air and Noise | Site Barricading and Dust Control Measures | 37.20 |
| 2 | Water | Tanker Water For Construction And Waste Water Management | 05.55 |
| 3 | Solid Waste | Construction Waste Management | 03.42 |
| 4 | Occupation Health and safety | Health Checkup of Workers, Disinfection at Site, First Aid Facility, Personal Protective Equipment | 05.50 |
| 5 | Environmental Monitoring | Air, Noise, Water, Biological | 07.00 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------------------------|---|--------------------------|---|
| 1 | Sewage Treatment Plant | 1 STP of capacity 700 kld and 1 STP of capacity 270 kld based on MBBR technology | 150.0 | 40.00 |
| 2 | Rainwater Harvesting System | 10 nos. of Recharge Pits | 10.00 | 02.50 |
| 3 | Solid Waste Management | OWC, Manpower and colored dustbins | 50.00 | 15.00 |
| 4 | Green Belt Development | Landscaping and tree plantation | 30.00 | 05.00 |
| 5 | Energy Saving Measures | Use of LED Tube Lights PV Solar system for common area lights and VVVF Drive for Lift motor | 120.0 | 06.00 |

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

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 36 of 62 | Name: K. Anil D. Signature: [Signature] Shri. Anil Kale (Chairman SEAC-III) |
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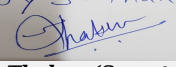
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52. Any Other Information

No Information Available


53. Traffic Management

| | | |
|------------------|---|--|
| | Nos. of the junction to the main road & design of confluence: | 3 nos. |
| Parking details: | Number and area of basement: | No. of Basements - 2 nos., Area of Basements - 50,353.86 sq.mt |
| | Number and area of podia: | NA |
| | Total Parking area: | 72,201.80 sq.mt. (Basement - 50,353.86 sq.mt. + Stilt - 21,847.94 sq.mt.) |
| | Area per car: | 33.60 sq.mt. |
| | Area per car: | 33.60 sq.mt. |
| | Number of 2-Wheelers as approved by competent authority: | Scooters - 5,200 nos. (Phase I+ Phase II) and Cycles - 3,416 nos. (Phase I + Phase II) |
| | Number of 4-Wheelers as approved by competent authority: | 1,542 nos. (Phase I- 374 nos.+ Phase II - 1,168 sq.mt.) |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | 6.00 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 | 8(b) B1 |
| | Court cases pending if any | NA |

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Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|--|--|
| | Other Relevant Informations | We are applying for grant of Terms of Reference (ToR) for the Environmental clearance for Proposed Housing Scheme for MHADA (Phase I + Phase II) at S. No. 126 +127/1, Tathawade, Taluka - Mulshi, District- Pune. Environmental Clearance received vide no. SEAC-2013/C.R.467/TC3, Dated:1/12/2015 from Government of Maharashtra. The proposed project will be developed in 2 Phases i.e Phase I and Phase II. |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

| | | | |
|--|--|----------------------|--|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 38 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

PP had submitted application for prior Environmental clearance for amendment in EC for total plot area of 56,509.16 m², FSI area of 1,41,237.58 m², Non FSI area of 1,30,227.20 m² and total BUA of 2,71,464.78 m².

Previous Environmental Clearance was received vide no. SEAC 2013/C.R.467/TC3, Dated:1/12/2015.

The building configuration of the proposal is as below:

1 Phase - I

Residential Buildings (MIG) - 04 Nos (Building C1, Building C2, Building C3, Building C4)
Basement + Stilt Parking + 22 Floors Height 66.88 m

2 PHASE - II

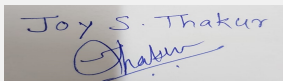
Residential Buildings (MIG) - 02 Nos. (Building A1, Building A2) Building A1-2 Basement + Stilt Parking + 22 Floors., Height A1- 68.50 m

Building A2- 2 Basement + Stilt Parking + 21 Floors. Height A2- 65.55 m

Residential Buildings (HIG) - 01 No. (Building B1) 2 Basement + Stilt Parking + 22 Floors. Height 68.50 m

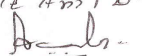
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

DECISION OF SEAC


Joy S. Thakur (Secretary
SEAC-III)

SEAC Meeting No: 102 Meeting Date: January
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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

During discussion following points emerged:

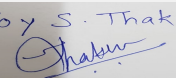
1. PP to submit details of **CER** activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.
2. PP to submit detailed **disaster** management plan incorporating lightening arrester plan, disaster management committee during construction phase and distance of emergency services from the project site.
3. PP to obtain drainage NOC.

SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

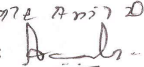
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

**SEAC Meeting No: 102 Meeting Date: January
22, 2020**

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

102 SEAC-3 meeting day 01**SEAC Meeting number: 102 Meeting Date** January 22, 2020**Subject:** Environment Clearance for Rejuvenation Project for Indrayani River**Is a Violation Case:** No

| | |
|---|--|
| 1.Name of Project | Rejuvenation Project for Indrayani River |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | Pimpri Chinchwad Municipal Corporation |
| 4.Name of Consultant | Green Circle, Inc. |
| 5.Type of project | River Rejuvenation Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Not applicable |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable |
| 8.Location of the project | Pimpri Chinchwad |
| 9.Taluka | Pimpri Chinchwad |
| 10.Village | Pimpri Chinchwad |
| Correspondence Name: | Mr. Makarand Dnyanoba Nikam |
| Room Number: | NA |
| Floor: | NA |
| Building Name: | PCMC Building |
| Road/Street Name: | NA |
| Locality: | Pimpri |
| City: | Pimpri |
| 11.Whether in Corporation / Municipal / other area | Municipal |
| 12.IOD/IOA/Concession/Plan Approval Number | NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 00 |
| 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.) | 471.47 ha |
| 16.Deductions | 00 |
| 17.Net Plot area | 471.47 ha |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 00 b) Non FSI area (sq. m.): 00 c) Total BUA area (sq. m.): 00 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 00 Approved Non FSI area (sq. m.): 00 Date of Approval: 28-03-2019 |
| 19.Total ground coverage (m2) | 4384671 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 4384671 |
| 21.Estimated cost of the project | 13850000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|---|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 41 of 62 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|---|

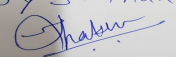
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---|----------------------------------|------------------|-------------------------------|
| 1 | NA | NA | NA |
| 23.Number of tenants and shops | THERE WILL BE NO TENANTS | | |
| 24.Number of expected residents / 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 | 6 m | | |
| 29.Existing structure (s) if any | There are no existing structures | | |
| 30.Details of the demolition with disposal (If applicable) | There will be no demolition | | |

31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement


| | | |
|-------------|--|------|
| Dry season: | Source of water | PCMC |
| | Fresh water (CMD): | 66 |
| | Recycled water - Flushing (CMD): | 00 |
| | Recycled water - Gardening (CMD): | 370 |
| | Swimming pool make up (Cum): | 00 |
| | Total Water Requirement (CMD) : | 436 |
| | Fire fighting - Underground water tank(CMD): | 00 |
| | Fire fighting - Overhead water tank(CMD): | 00 |
| | Excess treated water | 00 |

Joy S. Thakur


Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 102 Meeting Date: January 22, 2020

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Name: K. Anil Kale


Shri. Anil Kale (Chairman SEAC-III)

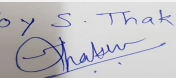
| | | |
|-----------------------------------|--|------|
| Wet season: | Source of water | PCMC |
| | Fresh water (CMD): | 66 |
| | Recycled water - Flushing (CMD): | 00 |
| | Recycled water - Gardening (CMD): | 00 |
| | Swimming pool make up (Cum): | 00 |
| | Total Water Requirement (CMD) : | 66 |
| | Fire fighting - Underground water tank(CMD): | 00 |
| | Fire fighting - Overhead water tank(CMD): | 00 |
| | Excess treated water | 370 |
| Details of Swimming pool (If any) | NA | |

33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

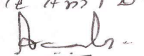
| | | |
|--------------------------------|--|------------------------|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 1 m |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | NA |
| | Budgetary allocation (O & M cost) : | NA |
| | Details of UGT tanks if any : | THERE ARE NO UGT TANKS |

| | | |
|-------------------------|---------------------------------|---------------------------|
| 35.Storm water drainage | Natural water drainage pattern: | CATCHMENT AREA- 985 SQ.MT |
| | Quantity of storm water: | NA |
| | Size of SWD: | NA |

Joy S. Thakur

 Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 102 Meeting Date: January 22, 2020

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Name: K. Anil D.
 Signature: 
 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|-------------------------------|---|--|
| Sewage and Waste water | Sewage generation in KLD: | 52.8 FROM THE PROPOSED PROJECT |
| | STP technology: | SBR |
| | Capacity of STP (CMD): | EXISTING-1 NOS. - 21 MLD CAPACITY ; PROPOSED- 2 NOS. - 1 NO. - 4 MLD & 1 NO.- 20 MLD |
| | Location & area of the STP: | VARIOUS PLACES IN CITY |
| | 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: | 102 kg/day |
| | Disposal of the construction waste debris: | PCMC Authorized Vendor |
| 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 |
| Mode of Disposal of waste: | Dry waste: | WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED |
| | Wet waste: | WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED |
| | 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 Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|--------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 44 of 62 | Name: K. Anil D.  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | |
|---------------------------------------|----------------|
| Capacity of the ETP: | Not applicable |
| Amount of treated effluent recycled : | Not applicable |
| Amount of water send to the CETP: | Not applicable |
| Membership of CETP (if require): | Not applicable |
| Note on ETP technology to be used | Not applicable |
| Disposal of the ETP sludge | Not applicable |

38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

Not applicable

43.Green Belt Development

| | |
|---|----|
| Total RG area : | NA |
| No of trees to be cut : | NA |
| Number of trees to be planted : | NA |
| List of proposed native trees : | NA |
| Timeline for completion of plantation : | NA |

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 | Syzygium caryophyllatum | JAMUN | - | BEAUTIFICATION AND EDIBL |
| 2 | Samanea saman | SIRIS | - | BEAUTIFICATION |
| 3 | Mangifera Indica | MANGO | - | EDIBLE |
| 4 | Azadirachta Indica | NEEM | - | BEAUTIFICATION AND MEDICINE |
| 5 | Pongamia pinnata | KARANJ | - | BEAUTIFICATION AND MEDICINE |

45.Total quantity of plants on ground


Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

Signature: 

Shri. Anil Kale (Chairman SEAC-III)

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 | Bougainvillea Purple | - | - |
| 2 | Bougainvillea Pink Barbara Karst | - | - |

47.Energy

| | | |
|---------------------------|---|----------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 0.18 MVA |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 1.8 |
| | During Operation phase (Demand load): | NA |
| | Transformer: | NA |
| | DG set as Power back-up during operation phase: | NA |
| | Fuel used: | NA |
| | Details of high tension line passing through the plot if any: | NA |

48.Energy saving by non-conventional method:

LED LIGHTS WILL BE USED FOR STREET LAMPS

49.Detail calculations & % of saving:

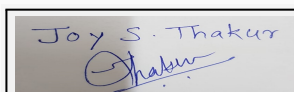
| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | LED LAMPS | NA |

50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|---|-----------------------------------|--------------------------|
| NA | NA | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

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):


Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

Signature: 

Shri. Anil Kale (Chairman SEAC-III)

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|-------------|--------------------------|---|
| 1 | NA | NA | NA | NA |

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

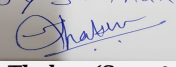
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available


53.Traffic Management

| | | |
|------------------|---|------|
| | Nos. of the junction to the main road & design of confluence: | NA |
| 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 | 8(b) |

Joy S. Thakur

 Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil D.
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 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|--|--|
| | Court cases pending if any | NA |
| | Other Relevant Informations | DETAILS OF EMP WILL BE PROVIDED IN EIA REPORT. |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

| | | | |
|--|--|----------------------|--|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 22, 2020 | Page 48 of 62 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

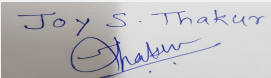
PP had submitted application for prior Environmental clearance for Rejuvenation Project for Indrayani River comprising area of 471.47 ha.

PP was issued Terms of Reference in 94th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

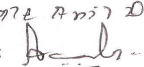
DECISION OF SEAC

SEAC-AGENDA-0000000357

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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22, 2020

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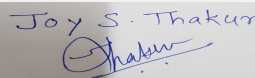
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

During discussion following points emerged:

1. The Committee noted that PP has included project activities in CER. PP to undertake activities other than those included in the proposal but useful for public. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.
2. All the major recreation spots proposed along the river including ghats etc. be indicated on one plan and the roads heading to these spots shall be clearly indicated.
3. Present width of all approach roads shall be mentioned and the proposed width as per DP be indicated along side.
4. Traffic volume on the approach road at present and the projected volume after 5, 10 and 15 years shall be calculated and tabulated. Assumptions made for projections shall be clearly mentioned.
5. Pedestrian volume and foot falls on the ghats and recreation spots shall also be indicated approach-wise and facilities provided for safe and convenient movement to be listed and submitted. A single plan showing all the spots and ghats shall be submitted.
6. PP has stated that detailed plan in respect of tree plantation is yet to be prepared. PP to obtain prior permission of tree authority before cutting any tree.
7. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.
8. PP to provide details of removal of water hyacinth and prevention plan for repeated growth.
9. PP to provide details of wastewater in different sections separately wherein only domestic sewage and where industrial waste is contaminating. PP to submit design details for proposed STPs, ETPs and revamping of existing treatment plan.
10. PP to provide analysis reports of sediments and silt in various sections of river.
11. PP to provide length wise data on current dissolve oxygen (DO) levels, BOD and TSS of river water.
12. PP to provide details of aquatic life in river.
13. PP to provide details of flood modelling in 2D/3D. PP to provide details of management plan for reducing flood risk.
14. PP to provide details of activities along the river which are planned including existing / proposed ghats and environment mitigation plan.
15. PP to submit permissions for changing flow path modifications.
16. PP to submit details of integrated solid waste management plan for catchment area including primary segregation, collection and disposal etc.
17. PP to submit details of screens or any proposed insitu treatment on drains discharging to river.
18. PP to submit geohydrology report and water balance through modelling for interaction of surface and ground water.
19. PP to submit details of IEC and public awareness and methods for avoiding the river pollution due to interaction of public. PP to incorporate the details in EMP.
20. PP to prepare a detailed project specific, site specific, executable and auditable EMP.
21. PP to submit undertaking regarding compliance of and meeting with all the prevailing environmental norms / parameters in force.
22. PP to submit detailed disaster management plan incorporating lightening arrester plan.

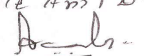
PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:


Joy S. Thakur (Secretary SEAC-III)

SEAC Meeting No: 102 Meeting Date: January 22, 2020

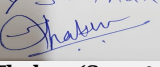
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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

FINAL RECOMMENDATION


SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

SEAC-AGENDA-0000000387

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. J. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

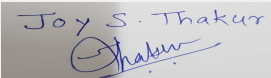
102 SEAC-3 meeting day 01

SEAC Meeting number: 102 Meeting Date January 22, 2020

Subject: Environment Clearance for Proposed residential Building "Ekta California" development at S. No. 9/1(P), Undri, Pune.

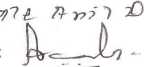
Is a Violation Case: Yes

| | |
|--|--|
| 1.Name of Project | Ekta California |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Ekta Housing Private Limited |
| 4.Name of Consultant | K Srinivasan |
| 5.Type of project | Housing Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion in existing project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No |
| 8.Location of the project | S. No. 9/1(P), Undri |
| 9.Taluka | Pune |
| 10.Village | -- |
| Correspondence Name: | Ashok Mohanani |
| Room Number: | Office No. 401, |
| Floor: | 4th Floor, |
| Building Name: | Hallmark Business Plaza, |
| Road/Street Name: | Off. W.E. Highway, |
| Locality: | Kalanagar, Bandra -East |
| City: | Mumbai- 400051 |
| 11.Whether in Corporation / Municipal / other area | Pune Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Commencement Certificate IOD/IOA/Concession/Plan Approval Number: Commencement Certificate: CC/3774/16, Dated-31/03/2017 Approved Built-up Area: 46569.21 |
| 13.Note on the initiated work (If applicable) | Construction work initiated and total constructed area: 44841.72 Sq. Mt. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Commencement Certificate: CC/3774/16, Dated-31/03/2017 |
| 15.Total Plot Area (sq. m.) | 26000.00 Sq. Mt. |
| 16.Deductions | 3253.10 Sq. Mt. (Land under 60 Meter wide DP road: 1713.10 Sq. Mt. + Land under 24 Meter wide DP road: 144.00 Sq. Mt. + Area Under reservation MH-26: 998.00 Sq. Mt. & PC-31: 398 Sq. Mt.) |
| 17.Net Plot area | 22746.90 Sq. Mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 24940.54 b) Non FSI area (sq. m.): 21628.67 c) Total BUA area (sq. m.): 46569.21 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 24940.54 Approved Non FSI area (sq. m.): 21628.67 Date of Approval: 31-03-2017 |
| 19.Total ground coverage (m2) | 7635.00 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 33.56 % |
| 21.Estimated cost of the project | 1374000000 |

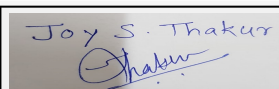

Joy S.Thakur (Secretary SEAC-III)

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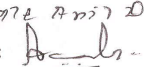
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| 22.Number of buildings & its configuration | | | | |
|---|------------------------|---|-------------------------------|----------------|
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
| 1 | Building A | Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats | 36.00 | |
| 2 | Building B | Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats | 36.00 | |
| 3 | Building C | Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats | 36.00 | |
| 4 | Building D | Stilt on ground floor + 12 Floors + 24 Flats | 36.00 | |
| 5 | Building E | Stilt on ground floor + 12 Floors + 24 Flats | 36.00 | |
| 6 | Building F | Stilt on ground floor + 12 Floors + 70 Flats | 39.20 | |
| 23.Number of tenants and shops | | Residential 190 Flats | | |
| 24.Number of expected residents / users | | 1105 Nos. | | |
| 25.Tenant density per hectare | | 83.50 | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | | Proposed 60 Meter wide road and 24 Meter existing road | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | | 9 .00 Meters | | |
| 29.Existing structure (s) if any | | Existing 5 Buildings (A to E) | | |
| 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 | Not applicable | Not applicable | Not applicable | Not applicable |
| 32.Total Water Requirement | | | | |

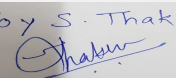

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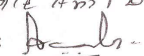
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | | | | | | | | |
|------------------------------------|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Dry season: | Source of water | Pune Municipal Corporation + treated sewage from STP | | | | | | | | |
| | Fresh water (CMD): | 100.00 | | | | | | | | |
| | Recycled water - Flushing (CMD): | 50.00 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 25.00 | | | | | | | | |
| | Swimming pool make up (Cum): | 5.00 | | | | | | | | |
| | Total Water Requirement (CMD) : | 180.00 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200.00 (A to E building as per CFO) and 50.00 (F building as per CFO) | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20.00 (for each building) | | | | | | | | |
| | Excess treated water | 33.00 (Treated water also used in Car washing (4.00) and STP backwash (10.00)) | | | | | | | | |
| Wet season: | Source of water | Pune Municipal Corporation + treated sewage from STP + RWH | | | | | | | | |
| | Fresh water (CMD): | 100.00 | | | | | | | | |
| | Recycled water - Flushing (CMD): | 50.00 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 0.00 | | | | | | | | |
| | Swimming pool make up (Cum): | 5.00 | | | | | | | | |
| | Total Water Requirement (CMD) : | 155.00 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200.00 (A to E building as per CFO) and 50.00 (F building as per CFO) | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20.00 (for each building) | | | | | | | | |
| | Excess treated water | 58.00 (Treated water also used in Car washing (4.00) and STP backwash (10.00)) | | | | | | | | |
| Details of Swimming pool (If any) | | Swimming pool area: 425 Sq. Mt. | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | |

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Name: K. Anil D.

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| | | |
|--|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 3- 4 Meters |
| | Size and no of RWH tank(s) and Quantity: | 1 RWH Tank of 130 KLD |
| | Location of the RWH tank(s): | On Ground |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | 21.00 Lacs |
| | Budgetary allocation (O & M cost) : | 0.84 Lacs/year |
| | Details of UGT tanks if any : | Domestic UG tank: 150 KLD Flushing UG tank: 75 KLD Fire Tank: 200 KLD |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. Run- off from the ground and terrace will be finally discharged into rain water harvesting tank below ground. The overflow from rain water harvesting tank will be discharged into storm water c |
| | Quantity of storm water: | 3.60 M3/ Min |
| | Size of SWD: | 750 mmØ pipe |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | 135 KLD |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 212 KLD STP |
| | Location & area of the STP: | On ground and area 118.50 Sq. Mtrs. |
| | Budgetary allocation (Capital cost): | 45.00 Lacs |
| | Budgetary allocation (O & M cost): | 3.00 Lacs/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated soil will be used in land leveling purpose & construction debris will be handed over to authorized agency. |
| | Disposal of the construction waste debris: | Construction debris will be handed over to Authorized agency. |
| Waste generation in the operation Phase: | Dry waste: | 306.60 Kg/day |
| | Wet waste: | 204.40 Kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 3.20 kg/day |
| | Others if any: | NA |
| <div>SEAC-III)</div> <div>22, 2020</div> <div>07/02</div> <div>SEAC-III)</div> | | |

| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Handed over to authorized agency. |
| | Wet waste: | Composting through OWC & used at site/as manure. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens. |
| | Others if any: | NA |
| Area requirement: | Location(s): | On Ground |
| | Area for the storage of waste & other material: | 30 Sq. Mt. including machinery |
| | Area for machinery: | -- |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 4.00 Lacs |
| | O & M cost: | 0.40 Lacs/year |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

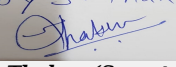
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |


40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 41.Source of Fuel | | Not applicable | | |
| 42.Mode of Transportation of fuel to site | | Not applicable | | |

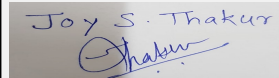
Joy S. Thakur

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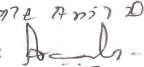
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | | |
|---|---|---|----------|--|
| 43.Green Belt Development | Total RG area : | Green area on Ground: 2274.70 Sq. Mt. and Green area on podium: 1240.00 Sq. Mt. | | |
| | No of trees to be cut : | NA | | |
| | Number of trees to be planted : | Required: 223 Nos. and Proposed on site: 320 Nos. | | |
| | List of proposed native trees : | As mentioned below. | | |
| | Timeline for completion of plantation : | Trees already planted on site | | |
| 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 | Mimusops elengi | Bakul | 75 | Butterfly host plant having high Air Pollution Index Tolerance (APIT) tree, small white fragrant flowers. |
| 2 | Couroupita guianensis | cannonball | 75 | medicinal uses for the plant. |
| 3 | Swietenia mahagoni | Cuban mahogany | 75 | There has been some research into the acaricidal effects of its leaves and bark for control of the honey bee pest. |
| 4 | Elaeocarpus sphaericus | Rudraki | 50 | Fruits have properties such as sedative, hypnotic, tranquillizing, anti-convulsive, anti-epileptic and anti-hypertensive properties, used in the treatment of epilepsy and heart problems. |
| 5 | Alstonia scholaris | blackboard tree | 25 | It has proved a valuable remedy in chronic diarrhoea and the advanced stages of dysentery. |
| 6 | Purple bauhinia | Purple Orchid Tree | 20 | evergreen small tree or shrub up to 4 - 10 m tall and 2 m across |
| 7 | -- | -- | -- | -- |
| 8 | -- | -- | -- | -- |
| 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 | -- | -- | 1240.00 | |
| 47.Energy | | | | |


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Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---------------------------|--|----------------------------------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 100 kVA |
| | DG set as Power back-up during construction phase | as per requirement |
| | During Operation phase (Connected load): | 3340 KW |
| | During Operation phase (Demand load): | 1176 KW |
| | Transformer: | 630 KVA- 1 NO. & 1000 KVA -1 No. |
| | DG set as Power back-up during operation phase: | 1 No. of 140 kVA DG |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Reduction in consumption by using Energy Saving Measure:

1. Use of LED lamps for common area (Landscape)
2. Stair-case, Lift lobby, Passage parking Lightings

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|----------|
| 1 | AVERAGE ANNUAL ENERGY SAVINGS | -- |
| 2 | SAVINGS ON ONLY SOLAR PANELS | -- |
| 3 | ADDITIONAL AVERAGE ANNUAL ENERGY SAVINGS WITH SOLAR WATER HEATING | -- |

50. Details of pollution control Systems

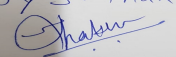
| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

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

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|--------------------------|-----------|------------------------------------|
| 1 | PPE | -- | 5.00 |
| 2 | Site Sanitation Facility | -- | 4.00 |
| 3 | Drinking water facility | -- | 2.00 |
| 4 | Solid Waste Management | -- | 2.50 |

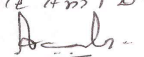
Joy S. Thakur


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Shri. Anil Kale (Chairman SEAC-III)

| | | | |
|---|--|----|------|
| 5 | Safety railing, platform, ladder, hoist, Cranes etc. | -- | 6.00 |
| 6 | House keeping | -- | 2.00 |
| 7 | Health Check | -- | 1.00 |
| 8 | Environmental Monitoring | -- | 1.50 |
| 9 | Anti-rusting coating on foundation steel bars | -- | 5.00 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------|-------------|--------------------------|---|
| 1 | Rain water Harvesting | -- | 21.00 | 0.84 |
| 2 | Sewage Treatment Plant | -- | 45.00 | 3.00 |
| 3 | Solid Waste Management | -- | 4.00 | 0.40 |
| 4 | Landscaping | -- | 15.00 | 0.50 |

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

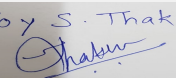
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

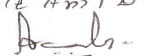
53.Traffic Management

| | |
|---|---|
| Nos. of the junction to the main road & design of confluence: | 2 |
|---|---|

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Joy S.Thakur (Secretary SEAC-III)

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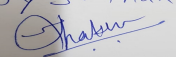
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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|-------------------------|--|---|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | 1 podium and area 3375 Sq. Mt. |
| | Total Parking area: | 4139.00 Sq. Mt. |
| | Area per car: | 12.50 Sq. Mt. |
| | Area per car: | 12.50 Sq. Mt. |
| | Number of 2-Wheelers as approved by competent authority: | Scooter Required: 387 Nos. and Scooter Proposed: 387 Nos. ; Cycle Required: 350 Nos. and Cycle Proposed: 350 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | Required: 230 Nos. and Proposed: 230 Nos. |
| | Public Transport: | -- |
| | Width of all Internal roads (m): | 7.5 & 12 Meters |
| | 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 | 8 (a) B2 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

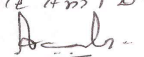
| | |
|---|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |

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Name: K. Anil D.
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| | |
|--|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

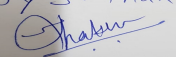
PP had submitted application for prior Environmental clearance for total plot area of 26000 m², FSI area of 24940.54 m², Non FSI area of 21628.67 m² and total BUA of 46,569.21 m².

The building configuration of the proposal is as below:

| | |
|--|----------------|
| 1 Building A Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats m | Height 36.00 |
| 2 Building B Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats m | Height 36.00 |
| 3 Building C Stilt on ground floor + stilt podium + 12 upper Floors + 24 Flats m | Height 36.00 |
| 4 Building D Stilt on ground floor + 12 Floors + 24 Flats | Height 36.00 m |
| 5 Building E Stilt on ground floor + 12 Floors + 24 Flats | Height 36.00 m |
| 6 Building F Stilt on ground floor + 12 Floors + 70 Flats m | Height 39.20 |

PP informed that the total constructed area on site is: 44841.72 m² till date.

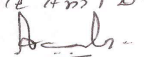
DECISION OF SEAC

Joy S. Thakur


Joy S. Thakur (Secretary SEAC-III)

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Name: K. Anil Kale
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

The Committee noted that PP has NOT applied within the stipulated amenity period as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018.

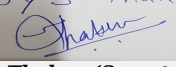
The Committee decided to **refer the proposal to SEIAA** for further needful action.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


Kindly find SEAC decision above.

SEAC-AGENDA-0000000387

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

102 SEAC-3 meeting day 02

SEAC Meeting number: 102 Meeting Date January 23, 2020

Subject: Environment Clearance for Rejuvenation Project for Pawana River

Is a Violation Case: No

| | |
|--|--|
| 1.Name of Project | Rejuvenation Project for Pawana River |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | Pimpri Chinchwad Municipal Corporation |
| 4.Name of Consultant | Green Circle, Inc. |
| 5.Type of project | River Rejuvenation Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Not applicable |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable |
| 8.Location of the project | Pimpri Chinchwad |
| 9.Taluka | Pimpri Chinchwad |
| 10.Village | Pimpri Chinchwad |
| Correspondence Name: | Mr. Makarand Dnyanoba Nikam |
| Room Number: | NA |
| Floor: | NA |
| Building Name: | PCMC Building |
| Road/Street Name: | NA |
| Locality: | Pimpri |
| City: | Pimpri |
| 11.Whether in Corporation / Municipal / other area | Municipal |
| 12.IOD/IOA/Concession/Plan Approval Number | NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 00 |
| 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.) | 257.91 ha |
| 16.Deductions | 00 |
| 17.Net Plot area | 257.91 ha |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 00 b) Non FSI area (sq. m.): 00 c) Total BUA area (sq. m.): 00 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 00 Approved Non FSI area (sq. m.): 00 Date of Approval: 28-01-2019 |
| 19.Total ground coverage (m2) | 2398563 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 2398563 |
| 21.Estimated cost of the project | 14530000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|---------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 1 of 61 | Name: K. Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|---------------------|--|

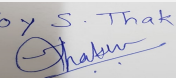
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---|----------------------------------|------------------|-------------------------------|
| 1 | NA | NA | NA |
| 23.Number of tenants and shops | THERE WILL BE NO TENANTS | | |
| 24.Number of expected residents / 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 | 6 m | | |
| 29.Existing structure (s) if any | There are no existing structures | | |
| 30.Details of the demolition with disposal (If applicable) | There will be no demolition | | |

31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

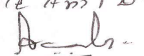
32.Total Water Requirement

| | | |
|-------------|--|------|
| Dry season: | Source of water | PCMC |
| | Fresh water (CMD): | 75 |
| | Recycled water - Flushing (CMD): | 00 |
| | Recycled water - Gardening (CMD): | 410 |
| | Swimming pool make up (Cum): | 00 |
| | Total Water Requirement (CMD) : | 485 |
| | Fire fighting - Underground water tank(CMD): | 00 |
| | Fire fighting - Overhead water tank(CMD): | 00 |
| | Excess treated water | 00 |

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Name: K. Anil D.

 Shri. Anil Kale (Chairman SEAC-III)

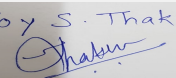
| | | |
|-----------------------------------|--|------|
| Wet season: | Source of water | PCMC |
| | Fresh water (CMD): | 75 |
| | Recycled water - Flushing (CMD): | 00 |
| | Recycled water - Gardening (CMD): | 00 |
| | Swimming pool make up (Cum): | 00 |
| | Total Water Requirement (CMD) : | 75 |
| | Fire fighting - Underground water tank(CMD): | 00 |
| | Fire fighting - Overhead water tank(CMD): | 00 |
| | Excess treated water | 410 |
| Details of Swimming pool (If any) | NA | |

33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

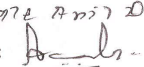
| | | |
|--------------------------------|--|------------------------|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 1 m |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | NA |
| | Budgetary allocation (O & M cost) : | NA |
| | Details of UGT tanks if any : | THERE ARE NO UGT TANKS |

| | | |
|-------------------------|---------------------------------|---------------------------|
| 35.Storm water drainage | Natural water drainage pattern: | CATCHMENT AREA- 505 SQ.KM |
| | Quantity of storm water: | NA |
| | Size of SWD: | NA |

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 Signature: 
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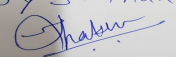
| | | |
|-------------------------------|---|-------------------------------------|
| Sewage and Waste water | Sewage generation in KLD: | FROM THE PROPOSED PROJECT |
| | STP technology: | SBR |
| | Capacity of STP (CMD): | EXISTING- NOS. - 8; PROPOSED- 2 NOS |
| | Location & area of the STP: | VARIOUS PLACES IN CITY |
| | 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: | 120 Kg/Day |
| | Disposal of the construction waste debris: | PCMC Authorized Vendor |
| 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 |
| Mode of Disposal of waste: | Dry waste: | WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED |
| | Wet waste: | WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED |
| | 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 Charecterestics

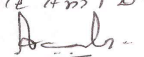
| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|--------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |

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| | |
|---------------------------------------|----------------|
| Capacity of the ETP: | Not applicable |
| Amount of treated effluent recycled : | Not applicable |
| Amount of water send to the CETP: | Not applicable |
| Membership of CETP (if require): | Not applicable |
| Note on ETP technology to be used | Not applicable |
| Disposal of the ETP sludge | Not applicable |

38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

Not applicable

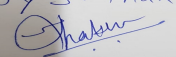
43.Green Belt Development

| | |
|---|----|
| Total RG area : | NA |
| No of trees to be cut : | NA |
| Number of trees to be planted : | NA |
| List of proposed native trees : | NA |
| Timeline for completion of plantation : | NA |

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 | Syzygium caryophyllatum | JAMUN | - | BEAUTIFICATION AND EDIBL |
| 2 | Samanea saman | SIRIS | - | BEAUTIFICATION |
| 3 | Mangifera Indica | MANGO | - | EDIBLE |
| 4 | Azadirachta Indica | NEEM | - | BEAUTIFICATION AND MEDICINE |
| 5 | Pongamia pinnata | KARANJ | - | BEAUTIFICATION AND MEDICINE |

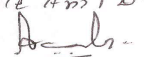
45.Total quantity of plants on ground

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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 | Bougainvillea Purple | - | - |
| 2 | Bougainvillea Pink Barbara Karst | - | - |

47.Energy

| | | |
|---------------------------|---|---------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 0.2 MVA |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 2 MVA |
| | During Operation phase (Demand load): | NA |
| | Transformer: | NA |
| | DG set as Power back-up during operation phase: | NA |
| | Fuel used: | NA |
| | Details of high tension line passing through the plot if any: | NA |

48.Energy saving by non-conventional method:

LED LIGHTS WILL BE USED FOR STREET LAMPS

49.Detail calculations & % of saving:

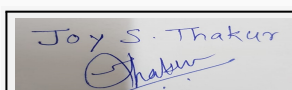
| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | LED LAMPS | NA |

50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|---|-----------------------------------|--------------------------|
| NA | NA | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

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):


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| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|-------------|--------------------------|---|
| 1 | NA | NA | NA | NA |

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

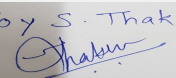
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

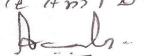
53.Traffic Management

| | | |
|------------------|---|------|
| | Nos. of the junction to the main road & design of confluence: | NA |
| 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 | 8(b) |

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| | | |
|--|--|--|
| | Court cases pending if any | NA |
| | Other Relevant Informations | DETAILS OF EMP WILL BE PROVIDED IN EIA REPORT. |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|---|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

| | | | |
|--|--|---------------------|---|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 8 of 61 | Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III) |
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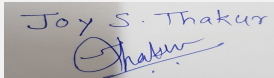
PP had submitted application for prior Environmental clearance for Rejuvenation Project for Pawana River comprising area of 257.91 ha.

PP was issued Terms of Reference in 94th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

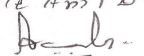
DECISION OF SEAC

SEAC-AGENDA-0000000388

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During discussion following points emerged:

1. The Committee noted that PP has included project activities in CER. PP to undertake activities other than those included in the proposal but useful for public. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.
2. All the major recreation spots proposed along the river including ghats etc. be indicated on one plan and the roads heading to these spots shall be clearly indicated.
3. Present width of all approach roads shall be mentioned and the proposed width as per DP be indicated along side.
4. Traffic volume on the approach road at present and the projected volume after 5, 10 and 15 years shall be calculated and tabulated. Assumptions made for projections shall be clearly mentioned.
5. Pedestrian volume and foot falls on the ghats and recreation spots shall also be indicated approach-wise and facilities provided for safe and convenient movement to be listed and submitted. A single plan showing all the spots and ghats shall be submitted.
6. PP has stated that detailed plan in respect of tree plantation is yet to be prepared. PP to obtain prior permission of tree authority before cutting any tree.
7. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.
8. PP to provide details of removal of water hyacinth and prevention plan for repeated growth.
9. PP to provide details of wastewater in different sections separately wherein only domestic sewage and where industrial waste is contaminating. PP to submit design details for proposed STPs, ETPs and revamping of existing treatment plan.
10. PP to provide analysis reports of sediments and silt in various sections of river.
11. PP to provide length wise data on current dissolve oxygen (DO) levels, BOD and TSS of river water.
12. PP to provide details of aquatic life in river.
13. PP to provide details of flood modelling in 2D/3D. PP to provide details of management plan for reducing flood risk.
14. PP to provide details of activities along the river which are planned including existing / proposed ghats and environment mitigation plan.
15. PP to submit permissions for changing flow path modifications.
16. PP to submit details of integrated solid waste management plan for catchment area including primary segregation, collection and disposal etc.
17. PP to submit details of screens or any proposed insitu treatment on drains discharging to river.
18. PP to submit geohydrology report and water balance through modelling for interaction of surface and ground water.
19. PP to submit details of IEC and public awareness and methods for avoiding the river pollution due to interaction of public. PP to incorporate the details in EMP.
20. PP to prepare a detailed project specific, site specific, executable and auditable EMP.
21. PP to submit undertaking regarding compliance of and meeting with all the prevailing environmental norms / parameters in force.
22. PP to submit detailed disaster management plan incorporating lightening arrester plan.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

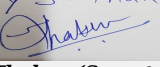
Specific Conditions by SEAC:

| | | | |
|--|--|----------------------|---|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 10 of 61 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|---|

FINAL RECOMMENDATION


SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

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Joy S. Thakur

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SEAC-III)

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SEAC-III)

102 SEAC-3 meeting day 02

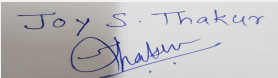
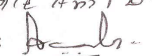
SEAC Meeting number: 102 Meeting Date January 23, 2020

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: Yes

| | |
|--|---|
| 1.Name of Project | "Shree Gajanan Park" |
| 2.Type of institution | TOR |
| 3.Name of Project Proponent | Shree Buildcon & Associates |
| 4.Name of Consultant | M/s Enviro Resources |
| 5.Type of project | Housing |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Not applicable |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable |
| 8.Location of the project | S. No.258/2/2/1+2+3+ 258/2/3/3 |
| 9.Taluka | Deolali |
| 10.Village | Deolali |
| Correspondence Name: | Mr. Bajirao K. Suryawanshi.(Partner |
| Room Number: | S-1 |
| Floor: | Second Floor |
| Building Name: | Regimental Plaza |
| Road/Street Name: | NA |
| Locality: | Nashik |
| City: | Nashik |
| 11.Whether in Corporation / Municipal / other area | Nashik Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Plans sanctioned by Collector, No. LND/BP/C3/194, Dated :-20/12/2010 |
| | IOD/IOA/Concession/Plan Approval Number: Plans sanctioned by Collector, No. LND/BP/C3/194, Dated :-20/12/2010 |
| | Approved Built-up Area: 28781 |
| 13.Note on the initiated work (If applicable) | Environment departemnt had issued final directions vide letter No. SEAC- 2011/CR- 89/TC 11 dated 22/07/2013 And MPCB has filed legal case against us bearing case no.199. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 23,906.00 |
| 16.Deductions | 3077 |
| 17.Net Plot area | 20829.00 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 22408.89 |
| | b) Non FSI area (sq. m.): 11915.40 |
| | c) Total BUA area (sq. m.): 34325 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 28780.04 |
| | Approved Non FSI area (sq. m.): 15000 |
| | Date of Approval: 20-12-2010 |
| 19.Total ground coverage (m2) | 4454.43 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 21 |
| 21.Estimated cost of the project | 5242 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 12 of 61 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

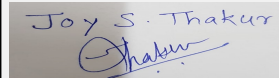
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1 | Manomay | Stilt Parking +9 | 28.05 |
| 2 | Swaroop | Stilt Parking +9 | 28.05 |
| 3 | Shubhan | Stilt Parking +9 | 28.05 |
| 4 | Arihant | Stilt Parking +9 | 28.05 |
| 5 | Amit | Stilt Parking +9 | 28.05 |
| 6 | Anant | Stilt Parking +9 | 28.05 |
| 7 | Balchandra | Ground + 1 | 6.60 |
| 8 | Balganpati | Ground + 1 | 6.60 |
| 9 | Kapila | Stilt Parking +9 | 28.05 |
| 10 | Club-House | Ground + 1 | 6.60 |

| | |
|---|---|
| 23.Number of tenants and shops | No. of Tenements:- 300 |
| 24.Number of expected residents / users | 1500 |
| 25.Tenant density per hectare | 150 Tenements / hector |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 60.00 Mt wide Road abutting to Plot and the Fire Station 2.5 KM from project site |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Turning radius for easy access of fire tender movement from all around the building is 9m. |
| 29.Existing structure (s) if any | • Environment departemnt had issued final directions vide letter No. SEAC- 2011/CR- 89/TC 11 dated 22/07/2013 And MPCB has filed legal case against us bearing case no.199. |
| 30.Details of the demolition with disposal (If applicable) | NA |

31.Production Details

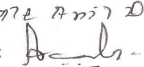
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

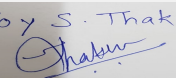

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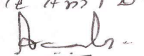
Name: K. Anil D.
Signature: 
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SEAC-III)

| | | | | | | | | | |
|------------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dry season: | Source of water | NMC | | | | | | | |
| | Fresh water (CMD): | 135 | | | | | | | |
| | Recycled water - Flushing (CMD): | 68 | | | | | | | |
| | Recycled water - Gardening (CMD): | 22 | | | | | | | |
| | Swimming pool make up (Cum): | 0 | | | | | | | |
| | Total Water Requirement (CMD) : | 225 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 125 | | | | | | | |
| | Excess treated water | 93 | | | | | | | |
| Wet season: | Source of water | NMC | | | | | | | |
| | Fresh water (CMD): | 135 | | | | | | | |
| | Recycled water - Flushing (CMD): | 68 | | | | | | | |
| | Recycled water - Gardening (CMD): | 0 | | | | | | | |
| | Swimming pool make up (Cum): | 0 | | | | | | | |
| | Total Water Requirement (CMD) : | 203 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 125 | | | | | | | |
| | Excess treated water | 115 | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

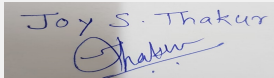
Joy S. Thakur

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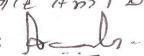
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|------------------------------|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Below 10 m |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 13 Nos. |
| | Size of recharge pits : | having size 4mt X 4mt. X 4mt |
| | Budgetary allocation (Capital cost) : | 5.2 Lacs |
| | Budgetary allocation (O & M cost) : | 0.6 lacs |
| | Details of UGT tanks if any : | NA |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | NE to SW |
| | Quantity of storm water: | 0.31 m3/Sec |
| | Size of SWD: | 300 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | 203 m3/day |
| | STP technology: | SBR |
| | Capacity of STP (CMD): | 1 NO. OF 210 m3 |
| | Location & area of the STP: | 159.5 m2 |
| | Budgetary allocation (Capital cost): | 55.0 lacs |
| | Budgetary allocation (O & M cost): | 15.91lacs/ annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 37 Kg/Day |
| | Disposal of the construction waste debris: | used on site for filling. |
| Waste generation in the operation Phase: | Dry waste: | 300KG/DAY |
| | Wet waste: | 450 KG/DAY |
| | Hazardous waste: | Nil |
| | Biomedical waste (If applicable): | Nil |
| | STP Sludge (Dry sludge): | 30 Kg/day |
| | Others if any: | not any |


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| | | |
|--|--|-------------------------------------|
| Mode of Disposal of waste: | Dry waste: | handed over to authorized recyclers |
| | Wet waste: | Smart Organic waste composter |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | USED AS MANURE |
| | Others if any: | NA |
| Area requirement: | Location(s): | AS PER LAYOUT |
| | Area for the storage of waste & other material: | 30m2 |
| | Area for machinery: | 20 m2 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 13.25 lacs. |
| | O & M cost: | 4.56 lacs/ annum. |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water sent to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

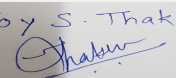
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

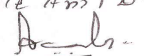
40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|--|--------------|----------------|----------|-------|
| 1 | HSD | Not applicable | HSD | HSD |
| 41. Source of Fuel | | Near by pump | | |
| 42. Mode of Transportation of fuel to site | | via road | | |

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 Signature: Shri. Anil Kale (Chairman SEAC-III)

| | | |
|----------------------------------|--|--------------------------------|
| 43.Green Belt Development | Total RG area : | 3196.20 m2 |
| | No of trees to be cut : | 0 |
| | Number of trees to be planted : | 307 |
| | List of proposed native trees : | 307 |
| | Timeline for completion of plantation : | Till the completion of project |

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

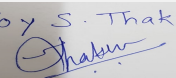
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|------------------------|---------------|----------|--|
| 1 | Ficus retusa | Nandruk | 37 | Evergreen and Birds attracting tree., |
| 2 | Pongamia pinnata | Karanj | 16 | ornamental & medicinal plant |
| 3 | Michelia champaca | Chafa | 30 | Evergreen timber plant, ornamental, |
| 4 | Azadiricta indica | Neem | 40 | Nitrogen fixer, ornamental plant |
| 5 | Pluumeria rubra | Red Chafa | 14 | Fast growing drought resistant tree, ornamental, used for silviculture |
| 6 | Pluumeria alba | White Chafa | 10 | Evergreen ornamental & religious plant |
| 7 | Anthocephalus cadamba | Cadamb | 26 | timber yielding and fruit bearing plant |
| 8 | Mangifera indica | Amba | 20 | Evergreen medicinal plant |
| 9 | Saraca indica | Sita ashok | 13 | Evergreen and Birds attracting tree., |
| 10 | Livistona rotundifolia | Areca palm | 25 | Evergreen tree |
| 11 | Caryota urens | Fishtail palm | 30 | Evergreen tree |
| 12 | Hyophobe legenicaulis | Campagne palm | 06 | Evergreen tree |
| 13 | Syzium cumini | Jambul | 15 | Evergreen tree fruit bearing tree |
| 14 | Areca catechu | Areca palm | 25 | Evergreen tree fruit bearing tree |

45.Total quantity of plants on ground

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

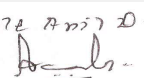
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

47.Energy

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| | | |
|---------------------------|--|----------------------------------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 40KVA |
| | DG set as Power back-up during construction phase | 62.5KVA |
| | During Operation phase (Connected load): | 1413 KW |
| | During Operation phase (Demand load): | 989.17 KVA |
| | Transformer: | 4 nos. of 315 KVA |
| | DG set as Power back-up during operation phase: | 2nos. (82.5 KVA & 62.5KVA each) |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | No |

48. Energy saving by non-conventional method:

- Using 15W CFL lamps lumini sires in all Lobby & Parking instead of 36W Normal tube light
- Use of Energy efficient lamps like T5 / CFL / LED as per design. Use of Energy efficient equipments like low loss Transformers & Switchgears
- Extra Energy Saving by using 50% Street lights in Solar system

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | <ul style="list-style-type: none"> • Using 15W CFL lamps lumini sires in all Lobby & Parking instead of 36W Normal tube light • Use of Energy efficient lamps like T5 / CFL / LED as per design. Use of Energy efficient equipments like low loss Transformers & Switchgears • Extra Energy Saving by using 50% Street lights in Solar system | 37% |

50. Details of pollution control Systems

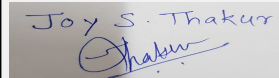
| Source | Existing pollution control system | Proposed to be installed |
|----------|-----------------------------------|--------------------------|
| Sewage | Not applicable | STP |
| Emission | Not applicable | DG SET WITH STACK |
| MSW | Not applicable | SMART composting machine |

| | | |
|--|------------------------|----------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 7.25Lacs |
| | O & M cost: | 0.07lacs |

51. Environmental Management plan Budgetary Allocation

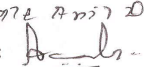
a) Construction phase (with Break-up):

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


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| | | | |
|---|-----------------------------|--|------|
| 1 | Air Environment | Water For Dust Suppression Air & Noise monitoring | 132 |
| 2 | Water Environment | Tanker water for construction Water monitoring | 1.44 |
| 3 | Land Environment | Site Sanitation Maintenance | 3.85 |
| 4 | Biological Environment | Gardening | 3.76 |
| 5 | Socio- Economic Environment | Disinfection at site Safety, First Aid, Health Hygiene Facilities Health Check Up Crèches for children Personal Protective Equipment | 3.26 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-------------|---------------------|--------------------------|---|
| 1 | STP | treatment of sewage | 55.0 | 15.91 |
| 2 | RWH | pits | 5.2 | 0.6 |
| 3 | OWC | composting machine | 13.25 | 4.56 |
| 4 | Landscaping | gardening | 37.66 | 4.73 |
| 5 | Electrical | solar pannels | 7.25 | 0.07 |

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

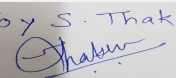
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

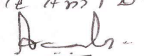
53.Traffic Management

| | | |
|--|---|---|
| | Nos. of the junction to the main road & design of confluence: | We had Proposed our Entry- Exits for Residential Vehicles from 24m Wide |
|--|---|---|

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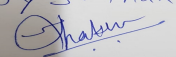
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Name: K. Anil Kale
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 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|------------------|---|----------------|
| Parking details: | Number and area of basement: | 0 |
| | Number and area of podia: | 0 |
| | Total Parking area: | 3433.62 Sq. M. |
| | Area per car: | 30 |
| | Area per car: | 30 |
| | Number of 2-Wheelers as approved by competent authority: | 225 |
| | Number of 4-Wheelers as approved by competent authority: | 300 |
| | Public Transport: | via bus |
| | 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 | 8(A) |
| | Court cases pending if any | No |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

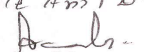
| | |
|--------------------------------------|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |

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Name: K. Anil D.
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

| | |
|--|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |

SEAC-AGENDA-00000000388

PP had submitted application for prior Environmental clearance for total plot area of 23906 m², FSI area of 22408.89 m², Non FSI area of 11915.40 m² and total BUA of 34325 m².

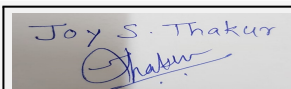
The building configuration of the proposal is as below:

| | | | |
|----|------------|------------------|----------------|
| 1 | Manomay | Stilt Parking +9 | Height 28.05 m |
| 2 | Swaroop | Stilt Parking +9 | Height 28.05 m |
| 3 | Shuban | Stilt Parking +9 | Height 28.05 m |
| 4 | Arihant | Stilt Parking +9 | Height 28.05 m |
| 5 | Amit | Stilt Parking +9 | Height 28.05 m |
| 6 | Anant | Stilt Parking +9 | Height 28.05 m |
| 7 | Balchandra | Ground + 1 | Height 6.60 m |
| 8 | Balganpati | Ground + 1 | Height 6.60 m |
| 9 | Kapila | Stilt Parking +9 | Height 28.05 m |
| 10 | Club-House | Ground + 1 | Height 6.60 m |

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. PP informed that the total constructed area on site is: 34325 m².

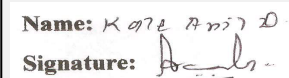
PP was issued Terms of Reference in 84th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.


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SEAC-III)**

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Name: K. Anil Kale

**Signature: Shri. Anil Kale (Chairman
SEAC-III)**

DECISION OF SEAC

During discussion following points emerged:

1. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.52 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 1.048 Cr which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.52 Cr for the project completion period.

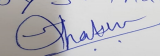
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

1) The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.52 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 1.048 Cr which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.52 Cr for the project completion period.

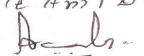
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

102 SEAC-3 meeting day 02

SEAC Meeting number: 102 Meeting Date January 23, 2020

Subject: Environment Clearance for Proposed Mix development project " Raja Bahadur City centre" at F.P.No. 100+101/1, Sangamwadi, Pune by Raja Bahadur International Ltd

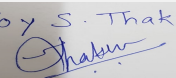
Is a Violation Case: No

| | |
|--|---|
| 1.Name of Project | Proposed Mix development project " Raja Bahadur City centre" at F.P.No. 100+101/1, Sangamwadi, Pune by Raja Bahadur International Ltd |
| 2.Type of institution | TOR |
| 3.Name of Project Proponent | Mr. Shridhar Pittie |
| 4.Name of Consultant | Ms. Sayali Jagtap (EIA Coordinator-J M EnviroNet Pvt Ltd) |
| 5.Type of project | Mix development |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No |
| 8.Location of the project | F.P.No. 100+101/1, Sangamwadi, Pune |
| 9.Taluka | Haveli |
| 10.Village | Sangamwadi |
| Correspondence Name: | Mr. Vaibhav Pittie |
| Room Number: | - |
| Floor: | - |
| Building Name: | - |
| Road/Street Name: | F.P.No. 100+101/1, Sangamwadi, Pune |
| Locality: | Sangamwadi |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pune Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Applied IOD/IOA/Concession/Plan Approval Number: - Approved Built-up Area: 312381.95 |
| 13.Note on the initiated work (If applicable) | No |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 81575.11 sq. m |
| 16.Deductions | 7653.63 sq. m |
| 17.Net Plot area | 73921.48 sq. m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 1,69,723.37 sq. m b) Non FSI area (sq. m.): 1,42,658.58 sq. m c) Total BUA area (sq. m.): 312381.95 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): - Approved Non FSI area (sq. m.): - Date of Approval: 01-01-1900 |
| 19.Total ground coverage (m2) | 41020.48 sq. m |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 55.49 % |
| 21.Estimated cost of the project | 7559700000 |

22.Number of buildings & its configuration

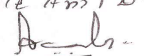
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|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 24 of 61 | Name: K. Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|---|-----------------------------------|---|-------------------------------|----------------|
| 1 | Existing Shed 1 (Offices) | Ground Floor | 9.15 m | |
| 2 | Existing Shed 2 (Restaurants) | Ground Floor | 7.80 m | |
| 3 | Retails +Cinema +Parking building | 2 Basement +Ground+ 7 floors | 29.95 m | |
| 4 | Commercial Tower 01 | 2 basement + Ground+ 16 floors | 69.15m | |
| 5 | Commercial Tower 02 | 2 basement+ Ground +4 podium + 20 floors | 98.75 m | |
| 6 | Commercial Tower 03 | 2 basement+ Ground +4 podium + 13 floors | 74.20 m | |
| 7 | Service apartment (Hotel bldg) | 2 Basement+ Ground +2 podium + 21 floors | 88.95 m | |
| 8 | Utility building | Ground + 1 floor | 12.75m | |
| 9 | Club (Amenity building) | 2 Basement+ Ground+ 4 floor | 20 m | |
| 10 | Club house | Ground+ 1 floor | 6.75 m | |
| 23.Number of tenants and shops | | Existing Offices & Restaurants Proposed : 1. Service apartment(Hotel) : 342 no's 2. Commercial buildings. | | |
| 24.Number of expected residents / users | | Existing (Offices + Restaurant) : 1990 persons , Proposed : Service apartment(Hotel) : 684 no's ,Commercial floating population : • Cinema building - 3968 • Commercial building 01 - 4676 • Commercial building 02 - 7358 • Commercial building 03 - 7750 • Club (Amenity building) & club house - 4915 Total project population (Existing +Proposed) : 31341 persons. | | |
| 25.Tenant density per hectare | | 4241 /Ha. | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | | Existing 24 m road , Proposed 30 m DP road Nearest fire station: Dayaram Raj guru Fire station. Distance : 0.3 km. | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | | 9.00 m | | |
| 29.Existing structure (s) if any | | Existing Offices , Restaurants | | |
| 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 | Not applicable | Not applicable | Not applicable | Not applicable |
| 32.Total Water Requirement | | | | |

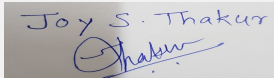
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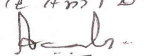
Name: K. Anil D.
Signature: 
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| | | | | | | | | | | |
|------------------------------------|--|----------------|----------------|--|----------------|----------------|----------------|----------------|----------------|--|
| Dry season: | Source of water | | | PMC | | | | | | |
| | Fresh water (CMD): | | | 527.8 | | | | | | |
| | Recycled water - Flushing (CMD): | | | 491.61 | | | | | | |
| | Recycled water - Gardening (CMD): | | | 79.75 | | | | | | |
| | Swimming pool make up (Cum): | | | 20.03 | | | | | | |
| | Total Water Requirement (CMD) : | | | 1119.19 | | | | | | |
| | Fire fighting - Underground water tank(CMD): | | | 1025 | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | | | 160 | | | | | | |
| | Excess treated water | | | 397.65 | | | | | | |
| Wet season: | Source of water | | | PMC | | | | | | |
| | Fresh water (CMD): | | | 527.8 | | | | | | |
| | Recycled water - Flushing (CMD): | | | 491.61 | | | | | | |
| | Recycled water - Gardening (CMD): | | | 0 | | | | | | |
| | Swimming pool make up (Cum): | | | 20.03 | | | | | | |
| | Total Water Requirement (CMD) : | | | 1039.43 | | | | | | |
| | Fire fighting - Underground water tank(CMD): | | | 1025 | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | | | 160 | | | | | | |
| | Excess treated water | | | 477.40 | | | | | | |
| Details of Swimming pool (If any) | | | | <ul style="list-style-type: none">• Dimension of Swimming Pool: 15.0m x 25.0m• Total water Requirement in KLD: 364 cum• Water requirement for make up in KLD: 20.03 cum• Capital Cost: Rs. 93,75,000 /-• O & M cost: - Rs. 9,37,500 /- | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | |

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| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Post monsoon 5m (BGL) , Pre monsoon 8 m(BGL) |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 14 no's |
| | Size of recharge pits : | 2 x 2 x 2 m with 178 mm dia 60 meter depth |
| | Budgetary allocation (Capital cost) : | Rs. 7,25,000 /- |
| | Budgetary allocation (O & M cost) : | Rs. 70,000 /- |
| | Details of UGT tanks if any : | Domestic UG tank Capacity (cum) : For Existing : 40 KLD , UGT 01 (Phase I) : 173 KLD , UGT 02 (Phase II) : 459 KLD , UGT 3(Phase III) : 151.19 KLD Flushing tank Capacity(cum) : 394.5 KLD Fire UG tank Capacity (cum) : 1025 KLD |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | As per contour |
| | Quantity of storm water: | 70.03 m3/min. |
| | Size of SWD: | 900 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | 969 KLD |
| | STP technology: | MBBR technology |
| | Capacity of STP (CMD): | STP 01 (For Existing + Phase I) : 267 KLD, STP 02 (For Phase II) : 545 KLD , STP 03 (For Phase III) : 160 KLD |
| | Location & area of the STP: | STP 1 : 131 sq. m , STP 2 : 352 sq. m , STP 3 : 110 sq. m |
| | Budgetary allocation (Capital cost): | Rs. 74,70,000 /- |
| | Budgetary allocation (O & M cost): | Rs. 24,39,295 /- |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Total solid waste : 150 kg/day (Wet waste : 90 kg/day , Dry waste : 60 kg/day) |
| | Disposal of the construction waste debris: | The construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads |
| Waste generation in the operation Phase: | Dry waste: | 4601 kg/day |
| | Wet waste: | 3234 kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 96 kg/day |
| | Others if any: | E-waste : 85.86 kg/day |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Joy S.Thakur (Secretary SEAC-III) </div> <div style="text-align: center;"> SEAC Meeting No: 102 Meeting Date: January 23, 2020 </div> <div style="text-align: center;"> Page 27 of 61 </div> <div style="text-align: center;"> Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) </div> </div> | | |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | To authorized vendor SWACH |
| | Wet waste: | Treatment of OWC |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as a manure |
| | Others if any: | E-waste will be handed over to authorized vendor SWACH |
| Area requirement: | Location(s): | Shown in plan |
| | Area for the storage of waste & other material: | OWC 1 : 8 sq. m OWC 2 : 17.5 sq. m OWC 3 : 22 sq. m OWC 4: 13.5 sq. m |
| | Area for machinery: | OWC 1 : 24 sq. m OWC 2 : 52.5 sq. m OWC 3 : 104.5 sq. m OWC 4: 45 sq. m |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 91,00,000 /- |
| | O & M cost: | Rs. 19,74,379 /- |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

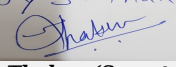
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |


40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 41.Source of Fuel | | Not applicable | | |
| 42.Mode of Transportation of fuel to site | | Not applicable | | |

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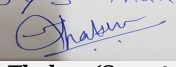
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Shri. Anil Kale (Chairman SEAC-III)

| | | |
|----------------------------------|--|---|
| 43.Green Belt Development | Total RG area : | RG area on ground : 7754.48 sq. m |
| | No of trees to be cut : | 40 no's |
| | Number of trees to be planted : | 798 no's + 126 (existing trees) |
| | List of proposed native trees : | List of existing + Proposed trees is provided below |
| | Timeline for completion of plantation : | Up to completion of project |


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 | SARCA ASOCA | Ashoka | 17 | larger and highly spreading common in cultivation |
| 2 | FICUS RELIGIOSA | Umber | 02 | Buddha tree, significant for Hindu and Buddhist, shaded tree |
| 3 | PELTOPHORUM PETROCARPUS | Kashid | 17 | Dense tree provide shade in summer |
| 4 | SAMANIA SAMAN | Rain tree | 10 | Shade giving ornamental plant |
| 5 | LEUCAENA LEUCOCEPHALA | Su babul | 03 | Medicinal use, attract to birds |
| 6 | DELONIX REGIA | Gulmohar | 09 | Dense tree provide shade in summer |
| 7 | SPATHODIA COMPANULATA | Spathodia | 03 | Shade giving ornamental plant |
| 8 | JACRANADA MIMOSIFOLIA | Jacranada | 02 | tree provide shade in summer |
| 9 | SYZGIUM CUMINI | Jambhul | 03 | Medicinal value, with good amount of fruits |
| 10 | CASSIA FISTULA | Bahawa | 01 | Medicinal value, Drought tolerant species, ornamental, flowering plant, Honey bee attracting species, Host plant for Butterfly |
| 11 | EUCALYPTUS | Nilgiri | 05 | Medicinal use, pollution of air |
| 12 | TERMINALI CATTAPA | Badam | 06 | Medicinal value |
| 13 | FICUS RELIGIOSA | Pimpal | 06 | Bodhi tree,significant for hindu and Buddhist,shaded tree |
| 14 | VACHELLIA NILOTICA | Australian babul | 01 | Drought tolerant species, ornamental |
| 15 | CEDRUS DEODAR | Deodar | 01 | insects avoid this tree, ornamental tree |
| 16 | GRAVELLIA ROBUSTA | Walwa | 03 | it can tolerate light shade, flowering tree |
| 17 | AZADIRACHTA INDICA | Neem | 140 | Native, Medicinal value, to control soil erosion, Evergreen |
| 18 | ARTOCARPUSA | Shindhi | 01 | Fruit tree, evergreen tree |
| 19 | AILANTHUS EXCLESIA | Maharuk | 02 | Evergreen tree, medicinal value |

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| | | | | |
|----|-----------------------|------------|-----|--|
| 20 | TAMRINADUS INDICA | Chinch | 01 | beautiful fruiting tree, medicinal tree |
| 21 | FICUS BENGALENSIS | Banyan | 01 | Its indina banyan called fig.with shade |
| 22 | VACHELLIA NILOTICA | Babul | 28 | Drought tolerant species, ornamental |
| 23 | BAUHINIA VARIGATED | Kanchan | 169 | creates shade, attracts birds/butterflies/bees, good for screening |
| 24 | LAGERSTROMIA SPECIOSA | Taman | 163 | creates shade, attracts birds/butterflies/bees, good for screening |
| 25 | MELIA AZDERACH | Bakan Neem | 128 | Evergreen medicinal tree |
| 26 | TERMINALI ARJUNA | Arjuna | 50 | large deciduous tree with spreading crowns |
| 27 | ROYESTONIA REGIA | Royal | 152 | Royal variety, evergreen palm |

45.Total quantity of plants on ground

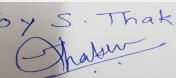
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

47.Energy

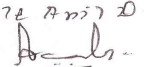
| | | |
|---------------------------|---|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 100 KVA |
| | DG set as Power back-up during construction phase | 125 KVA |
| | During Operation phase (Connected load): | 22292 KW |
| | During Operation phase (Demand load): | 16016 KW |
| | Transformer: | Total no's of Transformers: 26 : Commercial buildings - 24 x 630 KVA , Serviced Apartment + Club(Amenity)+ Utility - 2 x 630 KVA |
| | DG set as Power back-up during operation phase: | Total no's of DG : 19 1 x 810 KVA , 11 x 750 KVA, 3 x 600 KVA , 3 x 300 KVA , 1 x 200 KVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | N |

48.Energy saving by non-conventional method:

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1. LED
2. Analog dimmers
3. Solar hot water system only for serviced apartments
4. Solar PV panels
5. Real Time Timers
6. Energy efficient V3F lifts
7. Star rated pumps
8. Transformers as per BIS II standards

49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|---|
| 1 | Solar hot water + Solar PV | 250 KWP (Based on 1% of total demand as Solar PV) |
| 2 | Total % of savings | 20.50 % |

50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|---|---------------|--------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 1,05,30,000 /- |
| | O & M cost: | Rs. 3,50,000 /- |

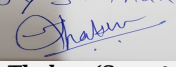
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------|--|------------------------------------|
| 1 | Air | Erosion control - dust suppression measures, barricading & top soil preservation | Rs. 5,76,000 /- |
| 2 | Land | Site Sanitation | Rs. 5,00,000 /- |
| 3 | Health & safety | Safety equipment's & training | Rs. 2,50,000 /- |
| 4 | Environment management | Environmental Monitoring | Rs. 1,20,000 /- |
| 5 | Health & safety | Disinfection and Health Check-ups | Rs. 1,00,000 /- |


b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--------------------------|-----------------------------------|----------------------------|---|
| 1 | Sewage Treatment Plant | 3 no's of STP's | Rs. 74,70,000 /- | Rs. 24,39,295 /- |
| 2 | Rain Water Harvesting | 14 no's of pits | Rs. 7,25,000 /- | Rs. 70,000 /- |
| 3 | Solid Waste Management | 4 no's of OWC's | Rs. 91,00,000 /- | Rs. 19,74,379 /- |
| 4 | Green Belt Development | 798 trees | Rs. 45,90,000 /- | Rs. 12,00,000 /- |
| 5 | Energy details | Solar PV panels + Solar hot water | Rs. 1,05,30,000 /- | Rs. 3,50,000 /- |
| 6 | Environmental Monitoring | EMP costing | MoEFCC approved laboratory | Rs. 8,90,000 /- |

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

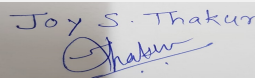
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

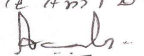
53.Traffic Management

| | | |
|------------------|---|---|
| | Nos. of the junction to the main road & design of confluence: | Existing 24 m road , Proposed 30 m DP road |
| Parking details: | Number and area of basement: | 2 basements & part basement Area : 55876.06 sq. m |
| | Number and area of podia: | 4 Podium, Area : 39742.27 sq. m |
| | Total Parking area: | 95618.33 SQ.M. |
| | Area per car: | 12.5 sq. M as per DC rule |
| | Area per car: | 12.5 sq. M as per DC rule |
| | Number of 2-Wheelers as approved by competent authority: | Scooters - 9042 , Cycles - 3398 |
| | Number of 4-Wheelers as approved by competent authority: | 3557 |
| | Public Transport: | Pune city buses |
| | Width of all Internal roads (m): | 6.00 & 9.00 m internal driveways. |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | None within 10 km |
| | Category as per schedule of EIA Notification sheet | B1 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | No |

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| | | |
|--|---|------------|
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 22-12-2017 |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

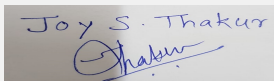
PP had submitted application for prior Environmental clearance for total plot area of 81575.11 m², FSI area of 169723.37 m², Non FSI area of 142658.58 m² and total BUA of 312381.95 m².

The building configuration of the proposal is as below:

| | | | |
|----|-----------------------------------|--|----------------|
| 1 | Existing Shed 1 (Offices) | Ground Floor | Height 9.15 m |
| 2 | Existing Shed 2 (Restaurants) | Ground Floor | Height 7.80 m |
| 3 | Retails +Cinema +Parking building | 2 Basement +Ground+ 7 floors | Height 29.95 m |
| 4 | Commercial Tower 01 | 2 basement + Ground+ 16 floors | Height 69.15m |
| 5 | Commercial Tower 02 | 2 basement+ Ground +4 podium + 20 floors | Height 98.75 m |
| 6 | Commercial Tower 03 | 2 basement+ Ground +4 podium + 13 floors | Height 74.20 m |
| 7 | Service apartment (Hotel bldg) | 2 Basement+ Ground +2 podium + 21 floors | Height 88.95 m |
| 8 | Utility building | Ground + 1 floor | Height 12.75m |
| 9 | Club (Amenity building) | 2 Basement+ Ground+ 4 floor | Height 20 m |
| 10 | Club house | Ground+ 1 floor | Height 6.75 m |

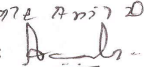
The PP was issued ToR in 87th SEAC-3 meeting. The PP has submitted EIA report accordingly. The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

DECISION OF SEAC


Joy S.Thakur (Secretary
SEAC-III)

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SEAC-III)**

During discussion following points emerged:

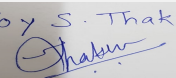
1. PP to submit basement approval plan as well as lower ground approval along with approval for puzzle parking.
2. PP has stated that about 260000 m3 debris will be handed over to PMC, however no document in this support to the said statement is submitted. PP to obtain special consent letter from PMC or any other authority in this regard. PP also to submit details (viz. capacity, cross section, contour plan etc.) of land where the debris will be disposed.
3. PP to submit co-ordinated master layout superimposing all environmental parameters.
4. PP to submit details of UGT.
5. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) Garden NOC.
6. PP to submit details of energy saving.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

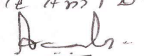
FINAL RECOMMENDATION

SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

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SEAC-III)

102 SEAC-3 meeting day 02

SEAC Meeting number: 102 Meeting Date January 23, 2020

Subject: Environment Clearance for Residential and Commercial development

Is a Violation Case: Yes

| | |
|---|--|
| 1.Name of Project | "Aura County" Residential and commercial development. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s Bhagvati Infra formerly known as M/s Jalan Maple Shelters through Mr. Vijay N Jalan |
| 4.Name of Consultant | SD Engineering Services Pvt. Ltd. |
| 5.Type of project | Residential and Commercial development. |
| 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 | New project |
| 8.Location of the project | Gat No. 1347/1, 1343(P), 1347/5, Near Kharadi Jakat Naka, Ubalenagar, Nagar Road, Wagholi - Pune 412 207 |
| 9.Taluka | Haveli |
| 10.Village | Ubalenagar, Wagholi. |
| Correspondence Name: | Vijay Jalan |
| Room Number: | Office Nos. 302/303 |
| Floor: | Third floor |
| Building Name: | Park Plaza |
| Road/Street Name: | Dr. Ketkar Road, Kamla Nehru Park. |
| Locality: | Erandwane |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pune Metropolitan Region Development Authority (PMRDA) |
| 12.IOD/IOA/Concession/Plan Approval Number | BHA/1734/15-16 dated 28-07-2016 for FSI - 51,455.13 Sq. m, Non FSI 31,569.25 Sq. m. and Total BUA 83024.38 sq. m IOD/IOA/Concession/Plan Approval Number: BHA/1734/15-16 dated 28-07-2016 Approved Built-up Area: 83024.38 |
| 13.Note on the initiated work (If applicable) | FSI 34736.96+ NON FSI 22455.06 = Total BUA 57192.02 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 55724.00 |
| 16.Deductions | 5,626.50 (road widening) + 7514.63 (Amenity area) = 13,141.13 Sq.m. |
| 17.Net Plot area | 42582.87 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 59,121.08 b) Non FSI area (sq. m.): 35,768.95 c) Total BUA area (sq. m.): 94890.03 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 51,455.13 Approved Non FSI area (sq. m.): 31,569.25 Date of Approval: 28-07-2016 |
| 19.Total ground coverage (m2) | 7790.45 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 18.29 |
| 21.Estimated cost of the project | 2150000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 36 of 61 | Name: K. Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|-----------------------------|---------------------------|-------------------------------|
| 1 | Building A Gat No.1347/5 | P+8 | 25.80 |
| 2 | Building B Gat No.1347/5 | P+8 | 25.80 |
| 3 | Building C Gat No.1347/5 | P+8 | 25.80 |
| 4 | Building D Gat No.1347/5 | P+8 | 25.80 |
| 5 | Building E Gat No.1347/5 | 2P (Parking + Podium) +12 | 40.05 |
| 6 | Building F Gat No.1343/A/2 | 2P (Parking + Podium) +11 | 37.20 |
| 7 | Building G Gat No.1347/5 | P+11 | 34.20 |
| 8 | Building A 1 Gat No.1347/1 | P+10 | 31.35 |
| 9 | Building B1 Gat No.1347/1 | P+10 | 31.35 |
| 10 | Building C1 Gat No.1347/1 | P+10 | 31.35 |
| 11 | Building D1 Gat No.1347/1 | P+12 | 37.20 |
| 12 | Building E1 Gat No.1347/1 | P+7 | 22.95 |
| 13 | Building F1 Gat No.1347/1 | P+9 | 28.65 |
| 14 | Hotel Gat No.1347/1 | G+5 | 17.40 |
| 15 | Club House 1 Gat No.1347/5 | G+1 | 7.62 |
| 16 | Club House 2 Gat No. 1347/1 | G+1 | 7.62 |

| | |
|--|---|
| 23.Number of tenants and shops | Total no. of Tenants: - 1079 Nos. Hotel building 1no. |
| 24.Number of expected residents / users | Number of expected residents (Fixed):- 5395 nos. Floating - 476 |
| 25.Tenant density per hectare | 253 Tenant / hectare |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | Yerawda Fire Station within ~10 km |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Turning radius for easy access of fire tender movement from all around the building is 9 m. |
| 29.Existing structure (s) if any | 7 Buildings, 1 hotel, 1 club house |
| 30.Details of the demolition with disposal (If applicable) | Existing STP will be demolished and debris will be used within site |

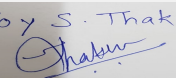
31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

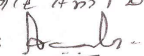
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|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 37 of 61 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | | | | | | | | | |
|------------------------------------|--|---------------------------------|-------|------------|----------|-------|----------------|----------|-------|--|
| Dry season: | Source of water | Local Body | | | | | | | | |
| | Fresh water (CMD): | 491 Residential + 19 Commercial | | | | | | | | |
| | Recycled water - Flushing (CMD): | 243 Residential + 15 Commercial | | | | | | | | |
| | Recycled water - Gardening (CMD): | 31 | | | | | | | | |
| | Swimming pool make up (Cum): | 00 | | | | | | | | |
| | Total Water Requirement (CMD) : | 799 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 300 Residential + 50 Commercial | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 Residential + 20 Commercial | | | | | | | | |
| | Excess treated water | 387 Residential + 14 Commercial | | | | | | | | |
| Wet season: | Source of water | Local Body | | | | | | | | |
| | Fresh water (CMD): | 491 Residential + 19 Commercial | | | | | | | | |
| | Recycled water - Flushing (CMD): | 243 Residential + 15 Commercial | | | | | | | | |
| | Recycled water - Gardening (CMD): | 00 | | | | | | | | |
| | Swimming pool make up (Cum): | 00 | | | | | | | | |
| | Total Water Requirement (CMD) : | 768 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 300 Residential + 50 Commercial | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 Residential + 20 Commercial | | | | | | | | |
| | Excess treated water | 417 Residential + 15 Commercial | | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Fresh water requirement | 309 | 201 | 510 | 31 | 20 | 51 | 278 | 181 | 459 | |
| Domestic | 157 | 101 | 258 | 16 | 10 | 26 | 141 | 91 | 232 | |
| Gardening | 21 | 10 | 31 | 21 | 10 | 31 | 00 | 00 | 00 | |

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| | | |
|--|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Summer Season - 18.00 m. to 21.50 m. BGL. (19.75 m. Average) BGL. Rainy Season - 6.00 m. to 10.00 BGL. (8.00 m. Average) BGL. Winter Season - 12.00 m. to 15.75 m. BGL. (13.875 m. Average) BGL. |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | Total 23 Nos. (14 for roof top & 9 for surface run off) |
| | Size of recharge pits : | a) 2.50 M. X 2.50 M. X 1.00 M. depth with 50 to 60 m. deep 6" Dia. bore well via 1 no. of de-siltation chamber of 0.9 m. dia. 1.0 m. deep & b) 2.50 M. X 2.50 M. X 2.00 M. depth with 50 to 60 m. deep 6" dia. bore well via 2 no. of de-siltation chambers of 0.9 m. dia. 1.0 m. deep. |
| | Budgetary allocation (Capital cost) : | 28.75 Lacs |
| | Budgetary allocation (O & M cost) : | 1.00 Lacs/annum |
| | Details of UGT tanks if any : | 1) Domestic UG tank capacity(cum)- Utility Tank = Residential 735 + Commercial 28 Drinking water tank = Residential 55 + Commercial 5 2) Flushing tank capacity (cum)- Flushing tank = Residential 410 + Commercial 24 3) Fire UG tank capacity (cum)- Residential 300 + Commercial 50. |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | North to South East |
| | Quantity of storm water: | 28,993.42 m3/yr i.e.579.87 m3/day considering 849.30 mm average rain fall in 50 days per year. |
| | Size of SWD: | 600 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | Residential 660 + Commercial 30 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 3 No. of STP - capacity 600 KL (Residential) + 80 KL (Residential Pre-fab) & 35 KL (Commercial) |
| | Location & area of the STP: | Near hotel , near building F and building G |
| | Budgetary allocation (Capital cost): | Residential 32 Lacs + Residential Prefab 27 Lacs + Commercial 7.5 Lacs |
| | Budgetary allocation (O & M cost): | Residential 23.55 Lacs/annum + Residential Prefab 7.9 Lacs/annum + Commercial 7.10 Lacs/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 10 Kg/day |
| | Disposal of the construction waste debris: | Top soil will be used for landscaping and remaining will be used for filling |
| Waste generation in the operation Phase: | Dry waste: | Residential 1079 Kg/day + Commercial 48 Kg/day |
| | Wet waste: | Residential 1619 Kg/day + Commercial 71 Kg/day |
| | Hazardous waste: | Negligible |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Residential 100 Kg/day + Commercial 5 Kg/day |
| | Others if any: | E waste- Residential 7 Kg/day + Commercial 1 Kg/day |
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| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Handed over to authorized recyclers |
| | Wet waste: | Treated in Organic Waste Converter |
| | Hazardous waste: | Handed over to authorized vendor |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as manure |
| | Others if any: | E waste- Handed over to Authorized Vendor |
| Area requirement: | Location(s): | Near Hotel , near building A and building G |
| | Area for the storage of waste & other material: | Residential 1- 95 + Residential 2 - 45 + Commercial 41 Sq.m. |
| | Area for machinery: | considered in above |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Residential 1 - 27.41 + Residential 2 - 9.85 + Commercial 8.69 Lacs |
| | O & M cost: | Residential 1 - 10.47+ Residential 2 - 2.06 + 2.06 Lacs/annum |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

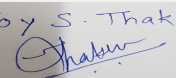
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | 2 x 180 kVA | Diesel | 02 | 6.68 | 0.10 | 500 |
| 2 | 2x 250 kVA | Diesel | 02 | 7.1 | 0.12 | 500 |

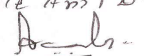
40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---|--------------|-------------------|----------|--------|
| 1 | Diesel | Diesel | Diesel | Diesel |
| 41.Source of Fuel | | Authorized Dealer | | |
| 42.Mode of Transportation of fuel to site | | By road | | |

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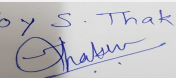
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| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 5009.26 sq.m |
| | No of trees to be cut : | 0 |
| | Number of trees to be planted : | No. of trees required: 532, Existing trees on net plot 501, Trees to be transplanted 69, Additional plantation 111 |
| | List of proposed native trees : | As below |
| | Timeline for completion of plantation : | Before Completion |

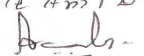
44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-------------------------|----------------|----------|--|
| 1 | Bauhenia purpurea | KANCHAN | 7 | Flowering and bird attracting tree |
| 2 | Cassia fistula | BAHAVA | 2 | Drought tolerant, ornamental & medicinal plant |
| 3 | Teak wood | SAG | 1 | Deciduous tree. |
| 4 | Leucaena leucocephala | SUBABUL | 61 | Deciduous tree and used for fodder |
| 5 | Delonix regia | GULMOHAR | 81 | Flowering and bird attracting tree |
| 6 | Terminalia catappa | BADAM | 12 | Fruit bearing tree |
| 7 | Araucaria | CHRISTMAS TREE | 3 | Evergreen and bird attracting tree |
| 8 | Thevetia peruviana | BITTI | 36 | flowering and evergreen tropical shrub |
| 9 | Samanea saman | RAIN TREE | 6 | shade tree, spreading deciduous and bird attracting tree |
| 10 | Spathodea campanulata | TULIP TREE | 2 | flowering and bird attracting tree |
| 11 | Azadirachta indica | NEEM | 52 | Evergreen medicinal and bird attracting tree |
| 12 | Tabebuia argentea | TRMUPET TREE | 4 | Deciduous, flowering and bird attracting tree |
| 13 | Syzygium cumini | JAMBHUL | 11 | Fruit bearing and bird attracting tree |
| 14 | Syzygium guava | GUAVA | 6 | Fruit bearing tree |
| 15 | Plumeria alba | CHAFI | 1 | flowering and bird attracting tree |
| 16 | Polyalthia longifolia | ASHOK | 3 | Evergreen, and bird attracting tree |
| 17 | Carica papaya | PAPAYA | 5 | Evergreen and fruit bearing tree |
| 18 | Pongamia pinnate | KARANJ | 3 | Evergreen and bird attracting tree |
| 19 | Peltophorum petrocarpum | COPPER POD | 12 | Evergreen, flowering and bird attracting tree |
| 20 | Cocos nucifera | COCONUT | 18 | Evergreen and fruit bearing tree |
| 21 | Moringa oleifera | SHEVGA | 1 | fruit bearing tree |
| 22 | Caesalpinia pulcherrima | SHANKASUR | 8 | deciduous and bird attracting tree |
| 23 | Callistmon citrinus | BOTTLE BRUSH | 3 | Flowering and bird attracting tree |
| 24 | Ficus racemosa | UMBER | 1 | Fruit bearing tree |
| 25 | Plumeria obtusa | CHAFI | 1 | Flowering and bird attracting tree |

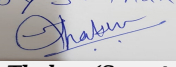
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| | | | | |
|----|------------------------------------|------------------------------------|------------------------------------|--|
| 26 | Nyctanthes arbor-tristis | PARIJATAK | 1 | flowering and bird attracting tree |
| 27 | Swetenia mahogany | MAHAGONY | 1 | Evergreen medicinal and bird attracting tree |
| 28 | Tamarindus indica | CHINCH | 9 | Fruit bearing and bird attracting tree |
| 29 | jacaranda mimosifolia | JACARANDA | 5 | flowering and bird attracting tree |
| 30 | Annona squamosa | SITAPHAL | 1 | fruit bearing tree |
| 31 | Artocarpus heterophyllus | PHANAS | 1 | fruit bearing and bird attracting tree. |
| 32 | Tabebuia argentea | ROSY TRUMPET TREE | 1 | Deciduous, flowering and bird attracting tree |
| 33 | Tecoma gaudichaudi | TECOMA | 17 | flowering and bird attracting tree |
| 34 | Nerium oleander | NERIUM | 5 | Evergreen, flowering and bird attracting tree |
| 35 | Mascarena lagenicaulis | BOTTLE PALM | 5 | Evergreen tree |
| 36 | Foxtail palm | FOXTAIL PALM | 12 | Evergreen and bird attracting tree |
| 37 | Areca palm | ARECA PALM | 40 | Evergreen, and bird attracting tree |
| 38 | Plumeria rubra | Pink CHAFA | 1 | flowering and bird attracting tree |
| 39 | Lagerstroemia speciosa | LAGESTROMIA | 1 | flowering and bird attracting tree |
| 40 | Bambusa vulgaris | BAMBOO | 3 | Evergreen and used for a variety of purposes, primarily for use in light construction such as houses, huts, boats. |
| 41 | Ficus religiosa | PIMPAL | 18 | Evergreen and bird attracting tree |
| 42 | Cascabela thevetia | THEVETIA | 33 | Evergreen flowering and bird attracting tree |
| 43 | Casuarina | SURU | 5 | deciduous tree |
| 44 | Bugainvillea galbra | BUGAINVILLEA | 1 | Evergreen, flowering and bird attracting tree |
| 45 | Butea monosperma | FLAME OF FOREST | 1 | flowering and bird attracting tree |
| 46 | Proposed tree list mentioned below | Proposed tree list mentioned below | Proposed tree list mentioned below | Proposed tree list mentioned below |
| 47 | Jacaranda mimosifolia | JACARANDA | 4 | flowering and bird attracting tree |
| 48 | Tabebula argentia | TRUMPET TREE | 5 | Flowering tree |
| 49 | Saraca indica | SITA ASHOK | 6 | Evergreen and bird attracting tree |
| 50 | Plumeria alba | Chafa | 7 | Flowering tree |
| 51 | Azardiractha india | NEEM | 5 | Evergreen medicinal and bird attracting tree |
| 52 | Tabebulia rosea | PINK TRUMPET TREE | 2 | Deciduous, flowering and bird attracting tree |
| 53 | Peltophorum petrocarpum | COPPER POD | 4 | Evergreen, flowering and bird attracting tree |
| 54 | Mimusops elengi | BAKUL TREE | 4 | Flowering tree |
| 55 | Cassia fistula | BAHAWA TREE | 5 | Flowering tree |
| 56 | Psidium guajava | GUAVA | 5 | fruit bearing tree |
| 57 | Bauhinea purpurea | KANCHAN | 5 | Flowering tree |
| 58 | Michelia champaca | CHAPHA | 7 | Flowering tree |

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| | | | | |
|----|--------------------------|-------------------|---|--|
| 59 | Pongamia pinnate | KARANJ | 6 | Evergreen and bird attracting tree |
| 60 | Millingtonia hotensis | INDIAN CORK TREE | 5 | Flowering & bird attractive tree |
| 61 | Lagestromia speciosa | TAMAN | 7 | Flowering tree |
| 62 | Swietenia mahagony | MAHAGONY | 6 | Evergreen fruit bearing and bird attracting tree |
| 63 | Mangifera indica | MANGO | 5 | Evergreen fruit bearing and bird attracting tree |
| 64 | Cordia sebestena | CORDIA | 2 | Flowering tree |
| 65 | Erythrina indica | INDIAN CORAL TREE | 2 | Flowering tree |
| 66 | Alanthus excelsa | Marukh | 4 | Flowering tree |
| 67 | Syzygium cumini | Jamun | 8 | Fruit bearing tree |
| 68 | Artocarpus heterophyllus | Jack fruit | 7 | Fruit bearing tree |

45.Total quantity of plants on ground

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

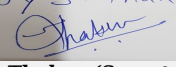
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | 00 | 00 | 00 |

47.Energy

| | | |
|---------------------------|--|--|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | 62,5 KVA |
| | During Operation phase (Connected load): | Residential - 5007 KW Hotel- 752 KW |
| | During Operation phase (Demand load): | Residential - 3429 KW Hotel - 500 KVA |
| | Transformer: | 22KV / 630 KVA - 6 No & 22KV / 630KVA - 1 No |
| | DG set as Power back-up during operation phase: | 2 x 180 kVA, 2 x 250 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | Yes |


48.Energy saving by non-conventional method:

- 1) LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.
- 2.1) Bollard Lighter - Light Fitting For Landscape Area.
- 2.2) Recesses Wall Light - Light Fitting For Landscape Area.
- 2.3) Planter Wall Light - Light Fitting for Landscape Area.
- 3.1) Solar Street Light Fitting - Pole Light On Road Side.
- 3.2) Street Light on the Bldg.Solar water heating system
- 4) Energy Saving by Solar Hot Water System.
- 5) Solar Power System (15% of Connected Load - $3429 \times 15\% = 514.35 \text{ KW} = 514.35 \times 24 \text{ Hrs} = 12344.4 \text{ KWH}$)

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49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|-------------------|
| 1 | 1) LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor. | 19.84 % |
| 2 | 2.1) Bollard Lighter - Light Fitting For Landscape Area. | Included in above |
| 3 | 2.2) Recesses Wall Light - Light Fitting For Landscape Area. | Included in above |
| 4 | 2.3) Planter Wall Light - Light Fitting for Landscape Area. | Included in above |
| 5 | 3.1) Solar Street Light Fitting - Pole Light On Road Side. | Included in above |
| 6 | 3.2) Street Light on the Bldg. | Included in above |
| 7 | 4) Energy Saving by Solar Hot Water System. | Included in above |
| 8 | 5) Solar Power System (15% of Connected Load - $3429 \times 15\% = 514.35 \text{ KW} = 514.35 \times 24 \text{ Hrs} = 12344.4 \text{ KWH}$) | Included in above |

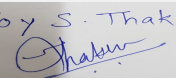
50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|---|-----------------------------------|---|
| STP | 2 | Commercial STP will be retained, Existing Residential STP will be replaced & another STP proposed |
| OWC | 1 | 3 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 154.50 Lakhs |
| | O & M cost: | 4.43 Lakhs/annum |

51.Environmental Management plan Budgetary Allocation

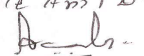
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-----------------------------|---------------------------------|------------------------------------|
| 1 | Air Environment | Water For Dust Suppression | 1.2 |
| 2 | Air Environment | Air & Noise monitoring | 0.48 |
| 3 | Water Environment | Tanker Water For Construction | 1.00 |
| 4 | Water Environment | Water Monitoring | 0.6 |
| 5 | Land Environment | Site Sanitation- Mobile toilets | 3.2 |
| 6 | Biological Environment | Top soil preservation | 1 |
| 7 | Socio- Economic Environment | Disinfection- Pest Control | 1.8 |
| 8 | Socio- Economic Environment | First Aid Facilities | 0.5 |
| 9 | Socio- Economic Environment | Health Check Up | 1 |
| 10 | Socio- Economic Environment | Personal Protective Equipment | 1.2 |

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| b) Operation Phase (with Break-up): | | | | |
|-------------------------------------|------------------------|-----------------------------------|--|---|
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
| 1 | STP | 3 STP | Residential 32 + Residential (Prefab) 27 +Commercial 7.5 | Residential 23.55 + Residential (Prefab) 7.9 + Commercial 7.10 |
| 2 | Rain Water Harvesting | Recharge Pits | 28.75 | 1.00 |
| 3 | Solid waste Management | OWC Unit | Residential 1 27.41 + Residential 2 - 9.85 Commercial 8.69 | Residential 1 10.47 + Residential 2 - 2.06 Commercial 2.06 |
| 4 | Green Belt Development | Landscaping | 80.0 | 8.0 |
| 5 | Energy conservation | Solar Panel & Solar water heating | 154.50 | 44.3 |
| 6 | Storm water | laying of storm water line | 6.48 | 0.5 |
| 7 | Environment Monitoring | from MoEF approved lab | - | 2.88 |

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

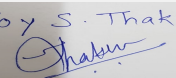
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

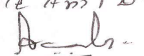
53.Traffic Management

| | |
|---|--|
| Nos. of the junction to the main road & design of confluence: | Traffic generated from this project will confluent on existing 15 m and 60 m wide road |
|---|--|

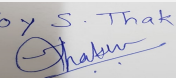
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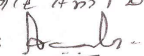
Name: K. Anil Kale

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| | | |
|---|---|--|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | No. of Podia: 1 E Bldg- 1444.76 sq.m. F Bldg- 1632.96 sq.m |
| | Total Parking area: | 13551.8 Sq.m |
| | Area per car: | Open parking: 25.00 & Covered parking 30.00 |
| | Area per car: | Open parking: 25.00 & Covered parking 30.00 |
| | Number of 2-Wheelers as approved by competent authority: | 1638 |
| | Number of 4-Wheelers as approved by competent authority: | 470 |
| | Public Transport: | Nearest Bus Stop: Wagholi |
| | 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 | 8 |
| | Court cases pending if any | Court case pending vide R.C.C./400003/2015 pending at Chief Judicial Magistrate, Pune under Section 15 of Environment Of Pollution Act, 1974 |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Environmental Impacts of the project | - | |
| Water Budget | - | |
| Waste Water Treatment | - | |
| Drainage pattern of the project | - | |
| Ground water parameters | - | |

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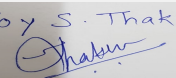
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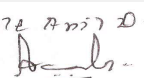
| | |
|--|---|
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |

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PP had submitted application for prior Environmental clearance for total plot area of 55724.00 m², FSI area of 59121.08 m², Non FSI area of 35768.95 m² and total BUA of 94890.03 m².

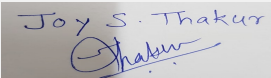
The building configuration of the proposal is as below:

| | | | |
|----|-----------------------------|---------------------------|----------------|
| 1 | Building A Gat No.1347/5 | P+8 | Height 25.80 m |
| 2 | Building B Gat No.1347/5 | P+8 | Height 25.80 m |
| 3 | Building C Gat No.1347/5 | P+8 | Height 25.80 m |
| 4 | Building D Gat No.1347/5 | P+8 | Height 25.80 m |
| 5 | Building E Gat No.1347/5 | 2P (Parking + Podium) +12 | Height 40.05 m |
| 6 | Building F Gat No.1343/A/2 | 2P (Parking + Podium) +11 | Height 37.20 m |
| 7 | Building G Gat No.1347/5 | P+11 | Height 34.20 m |
| 8 | Building A 1 Gat No.1347/1 | P+10 | Height 31.35 m |
| 9 | Building B1 Gat No.1347/1 | P+10 | Height 31.35 m |
| 10 | Building C1 Gat No.1347/1 | P+10 | Height 31.35 m |
| 11 | Building D1 Gat No.1347/1 | P+12 | Height 37.20 m |
| 12 | Building E1 Gat No.1347/1 | P+7 | Height 22.95 m |
| 13 | Building F1 Gat No.1347/1 | P+9 | Height 28.65 m |
| 14 | Hotel Gat No.1347/1 | G+5 | Height 17.40 m |
| 15 | Club House 1 Gat No.1347/5 | G+1 | Height 7.62 m |
| 16 | Club House 2 Gat No. 1347/1 | G+1 | Height 7.62 m |

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. PP informed that the total constructed area on site is: 57192.02 m².

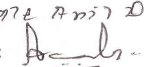
PP was issued Terms of Reference in 85th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.


**Joy S. Thakur (Secretary
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SEAC-III)**

DECISION OF SEAC

During discussion following points emerged:

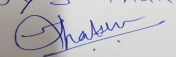
1. PP to explore possibility to propose separate STP and OWC for buildings on the land towards south side of 30 m wide DP road and revise the capacities of other proposed STP and OWC.
2. PP has proposed to discontinue existing 625 KLD STP and construct a new 670 KLD STP including sewerage of existing building.
3. PP has stated that a storm water drain on 30 m wide DP road will be laid upto final disposal point nearby nalla. PP to design the same considering the disposal from other properties towards upstream and submit design details.
4. PP to confirm whether forest land is included in affected area of 10 km radius.
5. PP to submit details of fugitive dust modelling by using local meteorological data.
6. PP to obtain and submit following **NOC's**: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC.
7. PP to submit undertaking for retaining of existing trees and submit plantation plan incorporating local native fruit bearing trees.
8. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 3.5652 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 3.1063 Cr.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

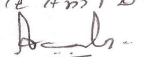
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

Joy S. Thakur


Joy S. Thakur (Secretary
SEAC-III)

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Shri. Anil Kale (Chairman
SEAC-III)

102 SEAC-3 meeting day 02

SEAC Meeting number: 102 Meeting Date January 23, 2020

Subject: Environment Clearance for Residential Construction Project

Is a Violation Case: No

| | |
|--|--|
| 1.Name of Project | Residential Construction Project |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s Kunal Realty |
| 4.Name of Consultant | Not yet appointed |
| 5.Type of project | Housing 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 | S. No. 164/6, CTS No. 3506 (P), Bhoir Nagar, Chinchwad |
| 9.Taluka | Haveli |
| 10.Village | NA |
| Correspondence Name: | Mr. Hemendra Shah |
| Room Number: | NA |
| Floor: | Ground Floor |
| Building Name: | Kunal House |
| Road/Street Name: | Off Bhandarkar Road |
| Locality: | Near Kamla Nehru Park |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | PCMC |
| 12.IOD/IOA/Concession/Plan Approval Number | In Process |
| | IOD/IOA/Concession/Plan Approval Number: In Process |
| | 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.) | 21620.22 sq. m. |
| 16.Deductions | 4813.64 sq.m |
| 17.Net Plot area | 16806.58 sq.m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 36690.63 sq.m |
| | b) Non FSI area (sq. m.): 36539.84 sq.m |
| | c) Total BUA area (sq. m.): 73230.47 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): |
| | Approved Non FSI area (sq. m.): |
| | Date of Approval: 01-01-1900 |
| 19.Total ground coverage (m2) | 3109.5 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 18.5 % |
| 21.Estimated cost of the project | 1500000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|---|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 50 of 61 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
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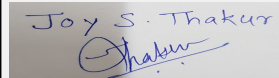
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1 | Building 1 - 1 No. | P + 16 Floors | 46.40 |
| 2 | Building 2 - 1 No. | 2P + 16 Floors | 46.40 |
| 3 | Building 3 - 1 No. | 2P + 16 Floors | 46.40 |
| 4 | Building 4 - 1 No. | 2P + 16 Floors | 46.40 |
| 5 | Club House | G + 1 | 7.70 |

| | |
|---|----------------------------------|
| 23.Number of tenants and shops | No. of Tenements - 526 Nos |
| 24.Number of expected residents / users | No. of expected Residents - 2630 |
| 25.Tenant density per hectare | 250 |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 31 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 | Temporary sheds |
| 30.Details of the demolition with disposal (If applicable) | Temporary sheds |

31.Production Details

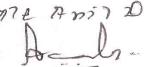
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|---------|-----------------|-----------------|--------------|
| 1 | NA | NA | NA | NA |

32.Total Water Requirement

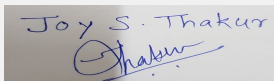

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Name: K. Anil Kale
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| | | |
|-----------------------------------|---|-----------------|
| Dry season: | Source of water | PCMC |
| | Fresh water (CMD): | 244 KLD |
| | Recycled water - Flushing (CMD): | 123 KLD |
| | Recycled water - Gardening (CMD): | 24 KLD |
| | Swimming pool make up (Cum): | 4 KL |
| | Total Water Requirement (CMD) : | 395 KLD |
| | Fire fighting - Underground water tank(CMD): | 618 KLD |
| | Fire fighting - Overhead water tank(CMD): | 10 KLD/Building |
| | Excess treated water | 196 KLD |
| Wet season: | Source of water | PCMC |
| | Fresh water (CMD): | 244 KLD |
| | Recycled water - Flushing (CMD): | 123 KLD |
| | Recycled water - Gardening (CMD): | NA |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 367 KLD |
| | Fire fighting - Underground water tank(CMD): | 618 KLD |
| | Fire fighting - Overhead water tank(CMD): | 10 KLD/Building |
| | Excess treated water | 220 KLD |
| Details of Swimming pool (If any) | <p>MAIN POOL SIZE : 13.5 M X 5 M BABY POOL SIZE : 10 sq mtrs X 0.6 M DEEP MAIN POOL DEPTH: 1.2 M BABY POOL VOLUME: 6,000 Litres MAIN POOL VOLUME: 81,000 Litres BAL. TANK VOLUME: 9,000 Lit TOTAL SYSTEM VOLUME: 96,000 Lit</p> <p>Free chlorine for Private Pools: 1 to 1.5 ppm (mg/l)*</p> <p>Super-chlorination at least 3.0/5.0 ppm (mg/1)</p> <p>Shock Treatment (heavy algae) at least 10 ppm (mg/1)</p> <p>pH 7.2 - 7.6</p> <p>Total Alkalinity 80 to 120 ppm (mg/1)</p> <p>Calcium Hardness 200 ppm Minimum</p> <p>Total Dissolved Solids less than 1500 ppm (mg/1) for pools</p> <p>Cyanuric Acid (Stabiliser) less than 100 ppm (mg/1)</p> | |

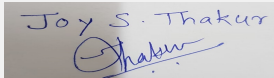

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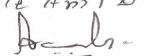
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| 33.Details of Total water consumed | | | | | | | | | |
|------------------------------------|--|----------|--|------------|----------|--------|----------------|----------|---------|
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Fresh water requirement | NA | 244 KLD | 244 KLD | NA | 24 KLD | 24 KLD | NA | 220 KLD | 220 KLD |
| Gardening | NA | 24 KLD | 24 KLD | 0 KLD | 24 KLD | 24 KLD | NA | NA | NA |
| | | | | | | | | | |
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | | Pre monsoon- 10 to 12 Mt. Mt. below ground level. Post monsoon- 4 to 6 Mt. below ground level. | | | | | | |
| | Size and no of RWH tank(s) and Quantity: | | NA | | | | | | |
| | Location of the RWH tank(s): | | NA | | | | | | |
| | Quantity of recharge pits: | | 6 Nos. | | | | | | |
| | Size of recharge pits : | | 2 m x 1m x 2 m | | | | | | |
| | Budgetary allocation (Capital cost) : | | Rs. 6 Lakh | | | | | | |
| | Budgetary allocation (O & M cost) : | | Rs. 0.5 Lakh/yr. | | | | | | |
| | Details of UGT tanks if any : | | Domestic water Tank : 355KLD Flush water Tank : 135 KLD Fire Fighting Water : 618 KLD | | | | | | |
| | | | | | | | | | |
| 35.Storm water drainage | Natural water drainage pattern: | | As per Contour | | | | | | |
| | Quantity of storm water: | | 0.603 CUM/SEC | | | | | | |
| | Size of SWD: | | 600 mm | | | | | | |
| | | | | | | | | | |
| Sewage and Waste water | Sewage generation in KLD: | | 343 KLD | | | | | | |
| | STP technology: | | MBBR | | | | | | |
| | Capacity of STP (CMD): | | 1 No. STP capacity - 375KLD | | | | | | |
| | Location & area of the STP: | | As per Services Layout | | | | | | |
| | Budgetary allocation (Capital cost): | | Rs. 93.5 Lakh | | | | | | |
| | Budgetary allocation (O & M cost): | | Rs. 34 Lakh | | | | | | |
| 36.Solid waste Management | | | | | | | | | |

Joy S. Thakur

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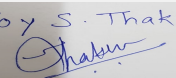
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Name: K. Anil D.

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|--|--|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 1 % of waste material |
| | Disposal of the construction waste debris: | Excavated earth material will be used for filling material for plinth area & top soil for landscaping. |
| Waste generation in the operation Phase: | Dry waste: | 457 kg/day |
| | Wet waste: | 748 Kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 27 Kg/day |
| | Others if any: | E Waste - 1310 Kg/Year |
| Mode of Disposal of waste: | Dry waste: | Through Authorized Vendor |
| | Wet waste: | Through Mechanical composting machine |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | used as manure |
| | Others if any: | E waste through authorized vendor |
| Area requirement: | Location(s): | As per service layout |
| | Area for the storage of waste & other material: | 41 sq.m |
| | Area for machinery: | 79 sq.m |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 27.50 Lakh |
| | O & M cost: | Rs. 7.55 Lakh/yr. |

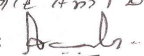
37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------------|---------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | pH | -- | 6.5 - 8.0 | 6.5 - 8.0 | --- |
| 2 | COD | mg/lit. | < 350 | < 30 | Not to exceed 100 mg/lit |
| 3 | BOD | mg/lit. | < 300 | < 10 | Not to exceed 10 mg/lit |
| 4 | Suspended Solids | mg/lit. | < 200 | < 10 | Not to exceed 50 mg/lit |
| 5 | Oil & Grease | mg/lit. | < 10 - 50 | < 1 - 5 | --- |
| 6 | Nitrogen | mg/lit. | < 40 - 50 | < 5 - 10 | --- |
| 7 | Phosphorus | mg/lit. | < 5 - 7 | < 5 | --- |
| 8 | Fecal Coli Form | mg/lit. | Present | Absent | --- |
| Amount of effluent generation (CMD): | | NA | | | |
| Capacity of the ETP: | | NA | | | |
| Amount of treated effluent recycled : | | NA | | | |
| Amount of water sent to the CETP: | | NA | | | |
| Membership of CETP (if require): | | NA | | | |

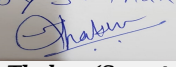
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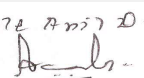
Name: K. Anil D.
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| | | | | | | | |
|--|-----------------------------|-----------------------------------|------------------|--|------------------------------|-------------------------------|---------------------------|
| Note on ETP technology to be 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 | 110 Lit/hr. | 110 Lit/hr. | | | |
| 41.Source of Fuel | | ---- | | | | | |
| 42.Mode of Transportation of fuel to site | | ---- | | | | | |
| 43.Green Belt Development | | | | | | | |
| Total RG area : | | 2151.43 sq.m | | | | | |
| No of trees to be cut : | | NA | | | | | |
| Number of trees to be planted : | | 385 | | | | | |
| List of proposed native trees : | | As per below | | | | | |
| Timeline for completion of plantation : | | 1 yr. after completion of project | | | | | |
| 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 | Acrus sapota | Chikku | 27 | Fruit bearing tree, attracts birds. | | | |
| 2 | Murraya paniculata | Kunti | 27 | Blooms throughout the year, flowers with excellent fragrance | | | |
| 3 | Saraca indica | Sita ashok | 18 | Evergreen tree with rounded crown, hardy tree | | | |
| 4 | Lagerstromia flos - reginae | Lagerstromia | 18 | Medium size, grows in dry / arid climate. | | | |
| 5 | Cordia | Cordia | 16 | Fragrant flowers | | | |
| 6 | Psidium gujava | Peru | 33 | Fruit bearing tree, attracts birds. | | | |
| 7 | Cassia fistula | Bahawa | 15 | Medium size deciduous tree Grows in less soil or murum. Full of yellow flowers during summer season. | | | |
| 8 | Azadirachta indica | Neem | 15 | Medicinal properties, quick growing, good air purifier | | | |
| 9 | Carica papaya | Pangara | 15 | Fruit bearing tree, nitrogen fixing tree | | | |

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| | | | | |
|----|---------------------------------|-----------|----|---|
| 10 | Nyctanthesarbor-tristis | Prajakta | 15 | Fragrant flowers |
| 11 | Butea monosperma | Palas | 15 | Used in forestation of saline & water logged regions |
| 12 | Bauhinia Purpurea | Kanchan | 15 | Grows in less soil,drought resistant |
| 13 | Grewia tiliaefolia | Dhaman | 07 | Deciduous, drought resistant |
| 14 | AcrusPhyllanthus emblica sapota | Amla | 08 | Medicinal properties |
| 15 | Albezzia lebbeck | Shirish | 07 | Quick growing,hardy, good soil binder, drought tolerant |
| 16 | Annona reticulata | Ramphal | 26 | Fruit bearing tree |
| 17 | Solanium | Vanvruksh | 33 | Fast growing climber with remarkable flowering performance. |
| 18 | Annona squamosa | Sitaphal | 26 | Fruit bearing tree |
| 19 | Citrus reticulata | Orange | 25 | Fruit bearing tree |
| 20 | Citrus limonia | Limbu | 24 | Fruit bearing tree |

45.Total quantity of plants on ground

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

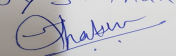
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

47.Energy

| | | |
|---------------------------|---|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 140 KW |
| | DG set as Power back-up during construction phase | 30 KVA |
| | During Operation phase (Connected load): | 10227.4 KW |
| | During Operation phase (Demand load): | 4913.2 KW |
| | Transformer: | 630 KVA x 5 Nos. |
| | DG set as Power back-up during operation phase: | 750 KVA x 1 No. |
| | Fuel used: | 165 lit./hr |
| | Details of high tension line passing through the plot if any: | Yes, High tension line passing through the plot |

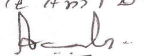
48.Energy saving by non-conventional method:

Through solar hot water - 22812.50 KWh / Annum
Through Solar PV panels - 29565.00 KWh / Annum
Total Saving - 52377.5 KWh / Annum (3.4 %)

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49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|-----------------------------|
| 1 | Use of LED Fittings. | 180649 KWh/Annum |
| 2 | User to be recommended to use BEE FIVE star certified appliance and Air conditioners. | 61821.875 KWh/Annum |
| 3 | Use of BEE Certified Motors | 15768 KWh/Annum |
| 4 | Use of Group controls and Variable speed drives. | 9608.625 KWh/Annum |
| 5 | Daylight based controls + LED light fitting to be consider instead of convectional fittings | 49275 KWh/Annum |
| 6 | Use of EFF-1 motors for fans & pumps | 10512 KWh/Annum |
| 7 | Use of CO sensors and VFD fans | 4599 KWh/Annum |
| 8 | Total Saving | 332234 KWh/Annum (21.4 %) |

50.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|----------------------|-----------------------------------|--------------------------|
| Waste water | NA | STP |
| Wet waste generation | NA | OWC |

Budgetary allocation (Capital cost and O&M cost):

Capital cost:

Rs. 122 Lakhs

O & M cost:

Rs. 1.8 Lakh/Yr.

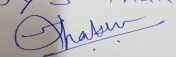
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-------------------------------|---|------------------------------------|
| 1 | Erosion Control | Dust suppression measure | 1.5 |
| 2 | Site Safety | Providing of Nets & Barricades | 1.0 |
| 3 | Site Sanitation | To maintain hygienic condition | 1.0 |
| 4 | Disinfection & Health Checkup | Spreing of pesticides & health check up for Labor | 1.5 |
| 5 | Environmental Monitoring | Analysis of Air, Water & Noise | 2.0 |

b) Operation Phase (with Break-up):

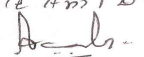
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------|--------------------------|--------------------------|---|
| 1 | Sewage Treatment Plant | To treat waste water | 93.5 | 34 |
| 2 | Rain Water Harvesting | To use as domestic water | 6.0 | 0.5 |
| 3 | Solid Waste Management | Treatment on wet waste | 27.50 | 7.55 |
| 4 | Landscape | To maintain greenery | 22.50 | 5.0 |

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| | | | | |
|---|------------------------|---|-------|------|
| 5 | Energy saving | To save electrical energy | 122.0 | 1.8 |
| 6 | Swimming Pool | Project facility | 25.0 | 1.80 |
| 7 | Environment Management | For the maintenance of pollution control services | 1.3 | 2.62 |

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

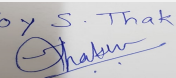
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|-------------|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|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

52.Any Other Information

No Information Available

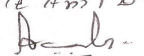
53.Traffic Management

| | | |
|------------------|---|---|
| | Nos. of the junction to the main road & design of confluence: | 2 |
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | 13248.8sq.m |
| | Area per car: | Covered car -30 sq.m, Open car - 25 sqm, Lower ground car park - 35 sqm |
| | Area per car: | Covered car -30 sq.m, Open car - 25 sqm, Lower ground car park - 35 sqm |
| | Number of 2-Wheelers as approved by competent authority: | 1052 |
| | Number of 4-Wheelers as approved by competent authority: | 279 |
| | Public Transport: | NA |
| | 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 | More than 10 Km |

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| | | |
|--|---|----------|
| | Category as per schedule of EIA Notification sheet | 8 (a) B2 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

| | | | |
|--|--|----------------------|--|
|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 23, 2020 | Page 59 of 61 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

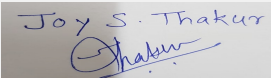
PP had submitted application for prior Environmental clearance for total plot area of 21620.22 m², FSI area of 36690.63 m², Non FSI area of 36539.84 m² and total BUA of 73230.47 m².

The building configuration of the proposal is as below:

- | | | | |
|---|--------------------|----------------|----------------|
| 1 | Building 1 - 1 No. | P + 16 Floors | Height 46.40 m |
| 2 | Building 2 - 1 No. | 2P + 16 Floors | Height 46.40 m |
| 3 | Building 3 - 1 No. | 2P + 16 Floors | Height 46.40 m |
| 4 | Building 4 - 1 No. | 2P + 16 Floors | Height 46.40 m |
| 5 | Club House | G + 1 | Height 7.70 m |

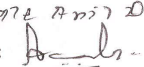
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC


**Joy S. Thakur (Secretary
SEAC-III)**

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Name: K. Anil Kale

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SEAC-III)**

During discussion following points emerged:

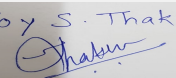
1. UGT is proposed below building footprint and RCC structural columns of the building are located within the alignment of the UGT. PP to submit details of the treatment measures proposed for protecting the columns.
2. PP has stated that about 48 number of occupants are staying in chawls situated on plot. PP to submit NOC / consent from the existing occupants for proposed work.
3. PP to submit a plan showing the layout of internal storm water drain considering the plantation of trees.
4. PP to submit **cross section** at 4-5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.
5. High tension line is passing through the project. PP to submit NOC as applicable.
6. Master plan indicates a relatively large portion of the plot as stilt parking. Reason for this area not buildable should be provided.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

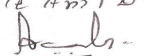
FINAL RECOMMENDATION

SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

Joy S. Thakur

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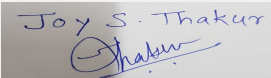
102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Proposed Amendment of Environmental Clearance of Residential Township at Mamurdi , Pune Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.

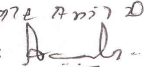
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Proposed Amendment of Environmental Clearance of Residential Township at Mamurdi , Pune Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Godrej Skyline Developers Private Limited |
| 4.Name of Consultant | Building Environment India Pvt. Ltd. Dakshina Building, Office No-401, 4th Floor, Sector 11, CBD Belapur, Navi Mumbai, Maharashtra 400614 |
| 5.Type of project | Housing Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Amendment in Existing Environmental Clearance |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Environmental Clearance has been obtained on 15th January ,2019 |
| 8.Location of the project | Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B (P)at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra |
| 9.Taluka | Haveli |
| 10.Village | Mamurdi |
| Correspondence Name: | Godrej Skyline Developers Pvt. Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411005. |
| Room Number: | -- |
| Floor: | 10th Floor, C wing |
| Building Name: | Godrej Eternia |
| Road/Street Name: | Wakdewadi |
| Locality: | Shivaji Nagar |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pimpri Chinchwad Municipal Corporation (PCMC) |
| 12.IOD/IOA/Concession/Plan Approval Number | Received IOD/IOA/Concession/Plan Approval Number: Mamurdi/01/2018 Dt - 12-10-2018 Approved Built-up Area: 294794.33 |
| 13.Note on the initiated work (If applicable) | Construction started as per received EC |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 84,401.34 sq. mt. |
| 16.Deductions | 16,067.49 sq.mt. |
| 17.Net Plot area | 68,333.85 sq.mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 1,46,950.99 b) Non FSI area (sq. m.): 1,47,843.34 c) Total BUA area (sq. m.): 294794.33 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 1,50,870.89 Approved Non FSI area (sq. m.): -- Date of Approval: 25-01-2019 |
| 19.Total ground coverage (m2) | 34,089.00 |

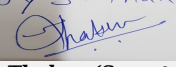

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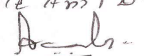
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| 20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 50 | | | |
|--|---------------------------------|------------------|-------------------------------|----------------|
| 21. Estimated cost of the project | 5810000000 | | | |
| 22. Number of buildings & its configuration | | | | |
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
| 1 | 7 Towers -Tower-B1 to Tower-B7 | S+22 | 69.95 | |
| 2 | 7 Towers -Tower-A1 to Tower-A7 | S+22 | 69.95 | |
| 3 | EWS | P1+P2+17 | 54.95 | |
| 4 | Club House-1 | G | 4.65 | |
| 5 | Club House-2 | G | 4.65 | |
| 6 | MLCP-1 + Club House-3 | P1+P2+P3 | 9.15 | |
| 7 | MLCP-2 + Club House-4 | P1+P2+P3 | 9.15 | |
| 23. Number of tenants and shops | Shops: 20 Nos; Flats: 2585 Nos. | | | |
| 24. Number of expected residents / users | Residents: 12925 Commercial: 60 | | | |
| 25. Tenant density per hectare | 378 tenant/hector | | | |
| 26. Height of the building(s) | | | | |
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 18 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 | 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 | Not applicable | Not applicable | Not applicable | Not applicable |
| 32. Total Water Requirement | | | | |

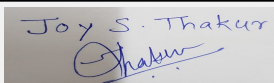
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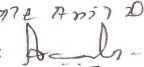
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 Signature: 
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| | | | | | | | | | | |
|------------------------------------|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Dry season: | Source of water | PCMC / Tanker / STP Treated Water | | | | | | | | |
| | Fresh water (CMD): | Phase-1:576.00; Phase-2:540.00, EWS:95.00; Total:1211.00 | | | | | | | | |
| | Recycled water - Flushing (CMD): | Phase-1:284.00; Phase-2:272.00, EWS:48.00; Total:604.00 | | | | | | | | |
| | Recycled water - Gardening (CMD): | Phase-1:90.00; Phase-2:90.00, EWS: --; Total:180.00 | | | | | | | | |
| | Swimming pool make up (Cum): | 20 | | | | | | | | |
| | Total Water Requirement (CMD) : | Phase-1:970; Phase-2:902, EWS:143.00; Total:2015.00 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 2 tanks of capacity 540 KLD each for Phase 1 & 2 3 tanks of capacity 150 KLD each for EWS, MLCP-1 & MLCP-2 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 710 KLD per each tower | | | | | | | | |
| | Excess treated water | Phase-1:348.00; Phase-2:332.00, EWS:76.00; Total:756.00 | | | | | | | | |
| Wet season: | Source of water | PCMC / Tanker / STP Treated Water | | | | | | | | |
| | Fresh water (CMD): | Phase-1:576.00; Phase-2:540.00, EWS:95.00; Total:1211.00 | | | | | | | | |
| | Recycled water - Flushing (CMD): | Phase-1:284.00; Phase-2:272.00, EWS:48.00; Total:604.00 | | | | | | | | |
| | Recycled water - Gardening (CMD): | NA | | | | | | | | |
| | Swimming pool make up (Cum): | 20 | | | | | | | | |
| | Total Water Requirement (CMD) : | Phase-1:880; Phase-2:812, EWS:143.00; Total:1835.00 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 2 tanks of capacity 540 KLD each for Phase 1 & 2 3 tanks of capacity 150 KLD each for EWS, MLCP-1 & MLCP-2 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 10 cum per each tower | | | | | | | | |
| | Excess treated water | Phase-1:348.00; Phase-2:332.00, EWS:76.00; Total:756.00 | | | | | | | | |
| Details of Swimming pool (If any) | | 20 cu m. | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | |

Joy S. Thakur

 Joy S. Thakur (Secretary SEAC-III)

SEAC Meeting No: 102 Meeting Date: January 24, 2020

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Average depth of Un-confined aquifer is at 7.00 m. to 10.60 m. Average depths of Confined aquifers are at 16.20 m. to 20.20 m., 46.00 m. to 56.00 m. & 82.00 m. to 92.00 m. |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | - |
| | Quantity of recharge pits: | Phase-1 51 Nos; Phase-2:48 Nos. EWS: 5 Nos. |
| | Size of recharge pits : | 2m Dia. and 2.5m effective depth. |
| | Budgetary allocation (Capital cost) : | 50.00 L |
| | Budgetary allocation (O & M cost) : | 5.00 L/annum |
| | Details of UGT tanks if any : | Under Ground Sump-1:- Domestic 420KLD,Flushing 272KLD,Gardening:31KLD Under Ground Sump-2:-Domestic-72KLD,Flushing -49KLD,Gardening-14KLD Under Ground Sump-3 :- Domestic-115KLD,Flushing -58KLD TANK WILL BE DESIGNED FOR 1.5 DAYS WATER DEMAND |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | Southwest |
| | Quantity of storm water: | Outfall 1 = 672.4 L/s Outfall 2 = 626.0 L/s Outfall 3 = 82.1 L/s |
| | Size of SWD: | SWD of Outfall 1 = 650mm x1200 mm SWD of Outfall 2 = 500mm x 750 mm SWD of Outfall 3 = 200 mm x 500 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | Phase-1:760.00; Phase-2: 732.00, EWS:130.00; Total: 1622.00 |
| | STP technology: | Moving Bed Bio reactor (MBBR) |
| | Capacity of STP (CMD): | 3 Nos. Phase-1:760.00; Phase-2: 732.00; EWS:130.00; |
| | Location & area of the STP: | Underground Phase-1:344 m2 Phase-2: 340 m2 EWS:80 m2 |
| | Budgetary allocation (Capital cost): | 150.00 L |
| | Budgetary allocation (O & M cost): | 45.00 L/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavation waste :63500 cum Steel Bars MT 200 Broken tiles SFT 53900 Paint cans -20 lit Nos. 5528 Cement bags bags 81000 Packing Material LS 5 trucks |
| | Disposal of the construction waste debris: | From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recyclers as per C&D waste Management Rule,2016 |
| Waste generation in the operation Phase: | Dry waste: | 4194 Kg/day |
| | Wet waste: | 2952 Kg/day |
| | Hazardous waste: | -- |
| | Biomedical waste (If applicable): | -- |
| | STP Sludge (Dry sludge): | 83 Kg/day |
| | Others if any: | E waste: 0.15 T/year |

| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Will be handed over to SWaCH |
| | Wet waste: | Will be treated in Organic Waste Converter |
| | Hazardous waste: | Will be handled as per Hazardous waste Rules, 2018 |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | Will be used as a manure |
| | Others if any: | --- |
| Area requirement: | Location(s): | Ground Floor |
| | Area for the storage of waste & other material: | Phase-1:30 m2 Phase-2:30 m2 EWS:30 m2 |
| | Area for machinery: | Phase-1:56.60 m2 Phase-2:56.70 m2 EWS:16.50 m2 Total Area requirement for Waste Management Facility Phase-1:86.60 m2 Phase-2:86.70 m2 EWS:46.50 m2 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 110.50 L |
| | O & M cost: | 11.50 L/annum |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

| | |
|-------------------|----------------|
| 41.Source of Fuel | Not applicable |
|-------------------|----------------|

| | | | |
|---|--|---------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 5 of 76 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|---------------------|--|

| | |
|---|----------------|
| 42.Mode of Transportation of fuel to site | Not applicable |
|---|----------------|

| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 6835.39 sq.mt |
| | No of trees to be cut : | Trees may be affected: 62 Nos. Trees may be transplanted: 8 Nos. Trees may be retained:67 Nos. |
| | Number of trees to be planted : | 1400 Nos. |
| | List of proposed native trees : | Attached |
| | Timeline for completion of plantation : | Till the completion of the project. |

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 | Annona reticulata | Custard Apple | 20 | Edible fruit trees |
| 2 | Artocarpus altilis | Bread fruit | 5 | Edible fruit trees |
| 3 | Artocarpus heterothylla | Jackfruit | 9 | Edible fruit trees |
| 4 | Calophyllum inophyllum | Undi | 24 | Non Edible fruit tree & flowering |
| 5 | Cassia fistula | Bahava | 93 | Medium sized flowering tree |
| 6 | Cassia nodosa | Pink shower tree | 56 | Medium sized flowering tree |
| 7 | Erythrina indica | Pangara | 82 | Flowering tree |
| 8 | Ficus carica | Fig | 15 | Edible fruit trees |
| 9 | Kigelia pinnata | Sausage tree | 57 | Evergreen, shade giving, flowering |
| 10 | Mangifera indica | Mango | 15 | Edible fruit trees |
| 11 | Manikara zapota | Chikoo | 12 | Edible fruit trees |
| 12 | Morus alba | Mulberry | 5 | Edible fruit trees |
| 13 | Michelia champaca | Sonchafa | 21 | Flowering tree |
| 14 | Mimusops elengii | Bakul | 55 | Flowering tree |
| 15 | plumeria rubra | Red chafa | 15 | Flowering tree |
| 16 | Psidium guajava | Peru | 7 | Edible fruit trees |
| 17 | Swietenia mahogany | Mahogany | 24 | Evergreen tree |
| 18 | Syzygium malaccense | Rose apple | 9 | Edible fruit trees |
| 19 | Syzygium sanarangense | Wax apple | 18 | Edible fruit trees |
| 20 | Peltophorum ferrugineum | Copper pod | 6 | Flowering tree |
| 21 | Delonix regia | Gulmohar | 34 | Flowering tree |
| 22 | Madhuca longifolia | Mahua | 15 | Flowering tree |
| 23 | Tebebuia rosea | Rosy trumpet tree | 69 | Flowering tree |
| 24 | Tebebuia white | White trumpet | 32 | Flowering tree |
| 25 | Ficus infectoria | Bassari | 12 | Evergreen tree |
| 26 | Plumeria obtusa | White chafa | 17 | Flowering tree |
| 27 | Putranjiva roxburghii | Jivanputra | 25 | Evergreen tree |
| 28 | Albizia lebbeck | Shirish | 3 | Evergreen tree |

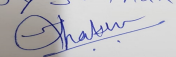
| | | | |
|---|--|---------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 6 of 76 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|---------------------|--|

| | | | | |
|--|--------------------|-----------------|-----|--------------------|
| 29 | phoenix sylvestris | Sugar date palm | 4 | Edible fruit trees |
| 30 | roystonea regia | Royal palm | 2 | Ornamental Palm |
| 31 | Total | Total | 761 | |
| 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 | Areca catechu | -- | -- |
| 2 | Butea monosperma | -- | -- |
| 3 | cassia fistula | -- | -- |
| 4 | cordia sebestena | -- | -- |
| 5 | Erythrina indica | -- | -- |
| 6 | Ficus auriculata | -- | -- |
| 7 | Jacaranda mimosifolia | -- | -- |
| 8 | michelia champaca | -- | -- |
| 9 | Nyctanthes arbo -tritis | -- | -- |
| 10 | Plumeria alba | -- | -- |
| 11 | Plumeria obtusa | -- | -- |
| 12 | Plumeria rubra | -- | -- |
| 13 | Spathodea campanulata | -- | -- |
| 14 | Tabebuia avellanedae | -- | -- |
| 15 | Tabebuia pallida | -- | -- |
| 16 | Tabebuia rosea | -- | -- |
| 17 | Bauhinia purpurea | -- | -- |
| 18 | Calophyllum inophyllum | -- | -- |
| 19 | Mimusops elengi | - | -- |
| 20 | Phoenix sylvestris | -- | -- |
| 21 | Terminalia mantaly | -- | -- |

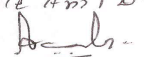
47.Energy

Joy S. Thakur


Joy S.Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 

**Shri. Anil Kale (Chairman
SEAC-III)**

| | | |
|---------------------------|--|--|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 300 kW |
| | DG set as Power back-up during construction phase | 2 DG sets of 185 kVA capacity for construction |
| | During Operation phase (Connected load): | Phase-1: 8125.34 KW Phase-2: 7999.70 KW EWS: 1079.72 KW |
| | During Operation phase (Demand load): | Phase-1: 3734.28 KW Phase-2: 3634.17 KW EWS: 431.89 KW |
| | Transformer: | 17Nos.630kVA 22kV/433V Transformer and 1No. of 100kVA 22kV/433V Transformer |
| | DG set as Power back-up during operation phase: | Phase-1: 1 DG set of 1010 kVA capacity and 1 DG set of 630 kVA Phase-2: 1 DG set of 1010 kVA capacity and 1 DG set of 630 kVA EWS: 1 DG set of 63 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | -- |

48. Energy saving by non-conventional method:

Solar Water Heater & Lighting will be provided
Solar PV system for External & Compound Wall Lighting- 158355.00 kWh
Solar Hot Water system for residential tower-1760535 kWh
Total Savings through Renewable Energy-1918890 kWh
savings -12%

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | % Savings through Conventional Energy saving systems | 9.05% |
| 2 | % of saving through Renewable energy | 12% |

50. Details of pollution control Systems

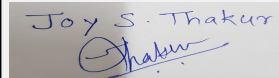
| Source | Existing pollution control system | Proposed to be installed |
|--------|-----------------------------------|--------------------------|
| Water | Not applicable | STP |
| Soil | Not applicable | OWC |

| | | |
|--|------------------------|---------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 260.50 L |
| | O & M cost: | 56.05 L/Annum |

51. Environmental Management plan Budgetary Allocation

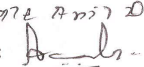
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|----------------|----------------------------------|------------------------------------|
| 1 | Dust pollution | Water spray for dust suppression | 5.00 |


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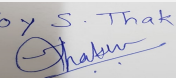
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | |
|----|--|--|--------|
| 2 | EHS | Site sanitation and Potable Water Supply to Labour | 8.00 |
| 3 | Environment monitoring | Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories) | 4.00 |
| 4 | EHS | Health check-up & first aid | 5.00 |
| 5 | Safety | Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.) | 10.00 |
| 6 | Traffic Management (Sign Boards, Persons at entry exit and Parking area) | Traffic Management (Sign Boards, Persons at entry exit and Parking area) | 4.00 |
| 7 | Safety nets | Safety nets | 25.00 |
| 8 | Storm water Management (SWD along plot boundary and Sedimentation Pits) | Storm water Management (SWD along plot boundary and Sedimentation Pits) | 4.00 |
| 9 | Passenger lift | Passenger lift | 3.00 |
| 10 | Tyre cleaning and Vehicle maintenance | Tyre cleaning and Vehicle maintenance | 4.00 |
| 11 | Safety Training to Workers (Twice in Year), Safety Officer | Safety Training to Workers (Twice in Year), Safety Officer | 7.00 |
| 12 | Disinfection | Disinfection | 2.50 |
| 13 | Debris & construction waste | Debris & construction waste | 30.00 |
| 14 | Total Cost | Total Cost | 111.50 |

b) Operation Phase (with Break-up):

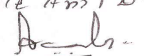
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---------------|------------------------------|--------------------------|---|
| 1 | STP | MBBR Technology | 150.00 | 45.00 |
| 2 | RWH | Recharge Pits | 50.00 | 5.00 |
| 3 | Landscape | - | 50.00 | 10.00 |
| 4 | SWM | OWC | 110.5 | 11.05 |
| 5 | Energy Saving | Solar PV Cells, Solar panels | 557.00 | -- |
| 6 | DMP | DMP | 3799.21 | 353.12 |
| 7 | Total | Total | 4716.21 | 424.12 |

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

Joy S. Thakur

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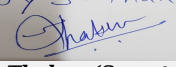
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52. Any Other Information

No Information Available


53. Traffic Management

| | | |
|------------------|---|--|
| | Nos. of the junction to the main road & design of confluence: | -- |
| Parking details: | Number and area of basement: | Not Applicable |
| | Number and area of podia: | 3 Podiums= Podium1 - 17011 + Podium2 - 17011 Podium3- 15951 |
| | Total Parking area: | 49973 sq. m |
| | Area per car: | 28.07 sq. m. |
| | Area per car: | 28.07 sq. m. |
| | Number of 2-Wheelers as approved by competent authority: | Required Scooter: 5226 Nos. Proposed: Scooter: 5702 Nos. Required Cycle: 5190 Nos. Proposed Cycle: 5694 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | Required 4 W: 1311 Nos. Proposed 4 W: 2181 Nos. |
| | Public Transport: | - |
| | Width of all Internal roads (m): | 9.00 mt |
| | CRZ/ RRZ clearance obtain, if any: | -- |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | -- |
| | Category as per schedule of EIA Notification sheet | Townships and Area Development projects 8(b); Category: B |
| | Court cases pending if any | NA |
| | Other Relevant Informations | -- |

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 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|---|----|
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 84401.34 m², FSI area of 146950.99 m², Non FSI area of 147843.34 m² and total BUA of 294794.33 m².

The building configuration of the proposal is as below:

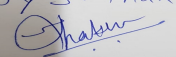
| | | | |
|---|--------------------------------|----------|----------------|
| 1 | 7 Towers -Tower-B1 to Tower-B7 | S+22 | Height 69.95 m |
| 2 | 7 Towers -Tower-A1 to Tower-A7 | S+22 | Height 69.95 m |
| 3 | EWS | P1+P2+17 | Height 54.95 m |
| 4 | Club House-1 | G | Height 4.65 m |
| 5 | Club House-2 | G | Height 4.65 m |
| 6 | MLCP-1 + Club House-3 | P1+P2+P3 | Height 9.15 m |
| 7 | MLCP-2 + Club House-4 | P1+P2+P3 | Height 9.15 m |

PP was issued Terms of Reference in 93rd SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

The proposal was further considered in 98th SEAC-3 meeting wherein certain compliance points were raised by the Committee.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

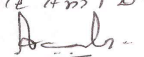
DECISION OF SEAC

Joy S. Thakur


Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
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SEAC-III)

During discussion following points emerged:

1. PP to submit mitigation measures for noise levels.
2. PP to submit details of socio-economic infrastructure details including public transport arrangements on the site.

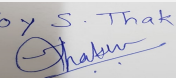
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

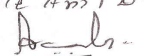
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000389

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Proposed Residential Project at S. no. 79 (P), Chikhali, Tal. Haveli, Pune by M/s. Nexus Enterprises

Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Proposed Residential Project at S. no. 79 (P), Chikhali, Tal. Haveli, Pune by M/s. Nexus Enterprises |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Nareshkumar Patel |
| 4.Name of Consultant | Ms. Sayali Jagtap (Approved EIA Coordinator) |
| 5.Type of project | Residential project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No |
| 8.Location of the project | S. no. 79 (P), Chikhali, Tal. Haveli, Pune |
| 9.Taluka | Haveli |
| 10.Village | Chikhali |
| Correspondence Name: | Mr. Pranjal Patel |
| Room Number: | - |
| Floor: | - |
| Building Name: | - |
| Road/Street Name: | S. no. 79 (P), Chikhali, Tal. Haveli, Pune |
| Locality: | Chikhali |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pimpri Chinchwad Municipal Corporation (PCMC) |
| 12.IOD/IOA/Concession/Plan Approval Number | Applied IOD/IOA/Concession/Plan Approval Number: - Approved Built-up Area: |
| 13.Note on the initiated work (If applicable) | No |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 12000 sq. m |
| 16.Deductions | 2133.69 sq. m |
| 17.Net Plot area | 9866.31 sq. m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 21943.23 sq. m b) Non FSI area (sq. m.): 19940.99 sq. m c) Total BUA area (sq. m.): 41884.29 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): - Approved Non FSI area (sq. m.): - Date of Approval: 01-01-1900 |
| 19.Total ground coverage (m2) | 2453.35 sq. m |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 24.86 % |
| 21.Estimated cost of the project | 756700000 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 14 of 76 | Name: K. Anil D.  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

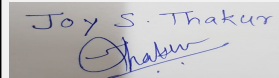
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|--------------------|-------------------------------|
| 1 | Building A | Parking +12 floors | 36 m |
| 2 | Building B | Parking +12 floors | 36 m |
| 3 | Building C | Parking +12 floors | 36 m |
| 4 | Building D | Parking +12 floors | 36 m |
| 5 | Building E | Parking +06 floors | 18 m |
| 6 | Club house | G + 1 | 7.20 m |

| | |
|---|-------------------------------|
| 23.Number of tenants and shops | Residential flats : 517 |
| 24.Number of expected residents / users | Residential population : 2585 |
| 25.Tenant density per hectare | 250 / Ha |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 12 m & 18 m wide road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9.00 m |
| 29.Existing structure (s) if any | NA |
| 30.Details of the demolition with disposal (If applicable) | NA |

31.Production Details

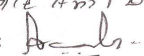
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

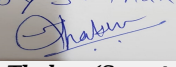

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| | | | | | | | | | |
|------------------------------------|--|----------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dry season: | Source of water | | PCMC | | | | | | |
| | Fresh water (CMD): | | 232.65 | | | | | | |
| | Recycled water - Flushing (CMD): | | 116.33 | | | | | | |
| | Recycled water - Gardening (CMD): | | 7 | | | | | | |
| | Swimming pool make up (Cum): | | 0 | | | | | | |
| | Total Water Requirement (CMD) : | | 355.98 | | | | | | |
| | Fire fighting - Underground water tank(CMD): | | 300 | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | | 20 for each building | | | | | | |
| | Excess treated water | | 159.34 | | | | | | |
| Wet season: | Source of water | | PCMC | | | | | | |
| | Fresh water (CMD): | | 232.65 | | | | | | |
| | Recycled water - Flushing (CMD): | | 116.33 | | | | | | |
| | Recycled water - Gardening (CMD): | | 0 | | | | | | |
| | Swimming pool make up (Cum): | | 0 | | | | | | |
| | Total Water Requirement (CMD) : | | 349.18 | | | | | | |
| | Fire fighting - Underground water tank(CMD): | | 300 | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | | 20 for each building | | | | | | |
| | Excess treated water | | 166.34 | | | | | | |
| Details of Swimming pool (If any) | | | Not provided | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

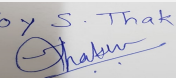
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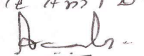
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Post monsoon depth to water level 03.20 m bgl Pre monsoon water level 08.20 m bgl |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 04 |
| | Size of recharge pits : | 2 m x 2m x 2m with 178mm diameter depth 60 meter depth of perforated or slotted casing 6 meter |
| | Budgetary allocation (Capital cost) : | Rs. 3,00,000 /- |
| | Budgetary allocation (O & M cost) : | Rs. 20,000 /- |
| | Details of UGT tanks if any : | Domestic UG tank Capacity (cum) : 349 KLD Flushing tank Capacity(cum) : 182 KLD Fire UG tank Capacity (cum) : 300 KLD |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | As per contour |
| | Quantity of storm water: | 9.63 m ³ /min |
| | Size of SWD: | 450 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | 214.08 KLD |
| | STP technology: | MBBR technology |
| | Capacity of STP (CMD): | 320 KLD |
| | Location & area of the STP: | Area : 200 sq. m |
| | Budgetary allocation (Capital cost): | Rs. 22,50,000 /- |
| | Budgetary allocation (O & M cost): | Rs. 2,64,000 /- |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 30 kg/day |
| | Disposal of the construction waste debris: | Will be used within site premises |
| Waste generation in the operation Phase: | Dry waste: | 517 kg/day |
| | Wet waste: | 775.5 kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 28.26 kg/day |
| | Others if any: | E-waste : 3.54 kg/day |

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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | To authorized vendor |
| | Wet waste: | Treatment of OWC |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as manure |
| | Others if any: | E-waste : Will be handed over to authorized vendor |
| Area requirement: | Location(s): | Shown in plan |
| | Area for the storage of waste & other material: | 84 sq. m |
| | Area for machinery: | Considered in above |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 17,66,464 /- |
| | O & M cost: | Rs. 5,78,400 /- |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water sent to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

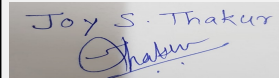
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

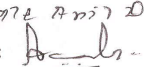
40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|--|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 41. Source of Fuel | | Not applicable | | |
| 42. Mode of Transportation of fuel to site | | Not applicable | | |


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| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | RG are required (10 %) : 1096.91 sq. m |
| | No of trees to be cut : | 0 |
| | Number of trees to be planted : | 138 trees |
| | List of proposed native trees : | Provided below |
| | Timeline for completion of plantation : | Up to completion of project |

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

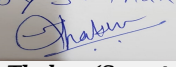
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|----------------------------|--------------|----------|---|
| 1 | Azadiracta indica | Neem | 19 | A medium to large size hardy tree that stand in drought conditions. Attain a much larger size in dry regions. |
| 2 | Ficus benghalensis | baniyan tree | 02 | Large, evergreen shady tree |
| 3 | Spathodia campanulata | Pitchkari | 09 | A handsome large deciduous flowering tree. Good for roadside plantation. |
| 4 | Mimosops elengii | Bakul | 10 | Medium sized evergreen shady tree .Good for roadside planting. |
| 5 | Lagerstromia flos-regineae | Taman | 10 | State flower tree of Maharashtra Medium sized tree with purple flowers, grows well in both dry and humid area |
| 6 | Jacaranda mimosifolia | Jacaranda | 05 | Medium size gracious deciduous, flowering tree which prefers moderate climate. |
| 7 | Putranjiva roxburghii | Putranjiva | 15 | Shady tree with red-yellow flowers |
| 8 | Mangifera indica | Mango | 14 | Large fruit tree |
| 9 | Butea monosperma | Palas | 16 | Small Deciduous. Good for roadside plantation. |
| 10 | Psidium guajava | Gauva | 10 | Fruit Tree |
| 11 | Manilkara zapota | Chiku | 05 | Small hardy tree. |
| 12 | Albizia lebbeck | Shirish | 15 | Shady, large tree, ball shaped flowers |
| 13 | Michelia champaca | Sonchafa | 07 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant |

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

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| | | |
|---------------------------|--|--------------------------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 35 KW |
| | DG set as Power back-up during construction phase | 50 KVA |
| | During Operation phase (Connected load): | 1700.68 KW, 2125.86 KVA |
| | During Operation phase (Demand load): | 1007.01 KW , 1258.77 KVA |
| | Transformer: | 2 x 630 KVA |
| | DG set as Power back-up during operation phase: | 140 KVA & 30 KVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | No |

48. Energy saving by non-conventional method:

1. As per MSEDCL requirements, we will use high efficiency Transformer i.e. Level II as per BIS 1180. Losses for Transformer at 50% loading & 100% loading will be as per BIS standards & ECBC norms.
2. We are planning to keep power factor of the common load installation near unity.
3. Following are the Energy efficient fixtures should be used in our project for energy conservation :-
 3.1 Energy efficient LED fixtures are proposed for parking area of all buildings.
 3.2 LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
 3.3 The estimated saving in common area lighting consumption is up to 19.92% due to adopting above measures.
4. Solar Heating System is being proposed for Hot water to be used in toilet of each apartment.
5. V3F drive motors should be used for lifts, which saves 30% energy consumption.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | LED fixtures, solar hot water & solar PVA panels | 19.92 % |

50. Details of pollution control Systems

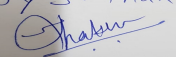
| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|------------------------|-----------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 72,32,750/- |
| | O & M cost: | Rs. 1,32,685/- |

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|---|------------------------------------|
| 1 | Air | Erosion control - dust suppression measures and barricading | Rs. 1,06,000 /- |
| 2 | land | Site Sanitation | Rs. 26,500 /- |

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| | | | |
|---|------------------------|-----------------------------------|----------------|
| 3 | Health & safety | Site Safety | Rs.88,000 /- |
| 4 | Environment management | Environmental Monitoring | Rs. 1,20,000/- |
| 5 | Health & safety | Disinfection and Health Check-ups | Rs. 45,000 /- |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--------------------------|--|--------------------------|---|
| 1 | Sewage Treatment Plant | 1 STP | Rs. 22,50,000 /- | Rs. 2,64,400 /- |
| 2 | Rain Water Harvesting | 04 pits | Rs. 3,00,000 /- | Rs. 20,000 /- |
| 3 | Solid Waste Management | 1 OWC | Rs. 17,66,464 /- | Rs. 5,78,400 /- |
| 4 | Green Belt Development | 138 trees | Rs. 17,71,070 /- | Rs. 1,27,517 /- |
| 5 | Energy details | LED fixtures, Solar hot water + Solar pV | Rs.72,32,750/- | Rs. 1,32,685/- |
| 6 | Environmental Monitoring | MoEFCC approved laboratory | - | Rs. 1,20,000 /- |

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

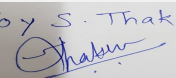
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

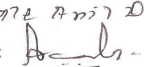
53.Traffic Management

| | |
|---|-----------------------|
| Nos. of the junction to the main road & design of confluence: | 12 m & 18 m wide road |
|---|-----------------------|

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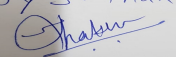
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| | | |
|------------------|---|--------------------------------|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | 7788.10 sq. m as per Dc rule |
| | Area per car: | 12.5 as per DC rule |
| | Area per car: | 12.5 as per DC rule |
| | Number of 2-Wheelers as approved by competent authority: | Scooters - 1034 , Cycles -1034 |
| | Number of 4-Wheelers as approved by competent authority: | 259 |
| | Public Transport: | Pune city buses |
| | Width of all Internal roads (m): | 6.00 m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | None within 10 km |
| | Category as per schedule of EIA Notification sheet | B2 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

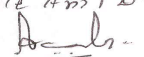
| | |
|--------------------------------------|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |

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| | |
|--|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

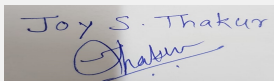
Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 12000 m², FSI area of 21943.23 m², Non FSI area of 19940.99 m² and total BUA of 41884.29 m².

The building configuration of the proposal is as below:

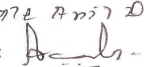
| | | | |
|---|------------|--------------------|---------------|
| 1 | Building A | Parking +12 floors | Height 36 m |
| 2 | Building B | Parking +12 floors | Height 36 m |
| 3 | Building C | Parking +12 floors | Height 36 m |
| 4 | Building D | Parking +12 floors | Height 36 m |
| 5 | Building E | Parking +06 floors | Height 18 m |
| 6 | Club house | G + 1 | Height 7.20 m |

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.


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SEAC-III)**

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit undertaking for meeting all norms related to STP treated water and compost produced using OWC.
2. PP to submit details of sustainable water supply.

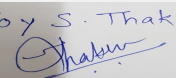
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

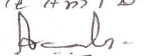
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-00000000389

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SEAC-III)

102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Environment Clearance of residential & Commercial project

Is a Violation Case: No

| | |
|--|--|
| 1.Name of Project | Residential & Commercial Project |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Cavalcade Properties Pvt. Ltd. |
| 4.Name of Consultant | Sneha Hi-Tech products |
| 5.Type of project | Housing Project (Residential & Commercial) |
| 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 | Not applicable |
| 8.Location of the project | S. No. 42 (parts) |
| 9.Taluka | Haveli |
| 10.Village | Mohammadwadi |
| Correspondence Name: | Mr. Anil Mathur/ M/s. Cavalcade Properties Pvt. Ltd. |
| Room Number: | - |
| Floor: | - |
| Building Name: | Site Office |
| Road/Street Name: | Near Cloud 9 Society NIBM Road |
| Locality: | Mohammadwadi |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Project falls under Pune Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Building plan is yet to approved by Pune Municipal Corporation |
| | IOD/IOA/Concession/Plan Approval Number: Building plan is yet to approved by Pune Municipal Corporation |
| | 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.) | 26865.96 m2 |
| 16.Deductions | 3577.67 m2 |
| 17.Net Plot area | 23288.29m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 63421.54 m2 |
| | b) Non FSI area (sq. m.): 48234.39 m2 |
| | c) Total BUA area (sq. m.): 111655.93 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): |
| | Approved Non FSI area (sq. m.): - |
| | Date of Approval: 15-01-2020 |
| 19.Total ground coverage (m2) | 2742.40 m2 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 10.43% |
| 21.Estimated cost of the project | 2440000000 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|---|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 25 of 76 | Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|---|

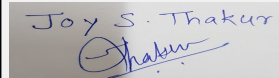
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|---------------------------|-------------------------------|
| 1 | Building A 1 | 1B +2P+2 Podium+26 floors | 93.64 |
| 2 | Building A 2 | 1B +2P+2 Podium+26 floors | 93.64 |
| 3 | Building A 3 | 1B +2P+2 Podium+26 floors | 93.64 |
| 4 | Building A 4 | 1B +2P+2 Podium+26floors | 93.64 |
| 5 | Building A 5 | 1B +2P+2 Podium+26 floors | 93.64 |
| 6 | Building B | B+G+3Podium+ 09 floors | 38.99 |
| 7 | Club House | G+ 1 floor | 9.00 |

| | |
|---|---|
| 23.Number of tenants and shops | Tenements: 851 nos. Commercial area: 237.23m2 Shops - 10 nos |
| 24.Number of expected residents / users | Residential- 4255 Commercial- 80 Floating- 700, Total User : 5035 |
| 25.Tenant density per hectare | 250/H |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 24 m and 30 m wide DP road |
| 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 | NA |
| 30.Details of the demolition with disposal (If applicable) | NA |

31.Production Details

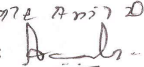
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

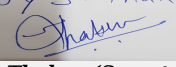

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| | | | | | | | | | | |
|------------------------------------|--|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Dry season: | Source of water | Pune Municipal Corporation/Recycled | | | | | | | | |
| | Fresh water (CMD): | 395 m3/day | | | | | | | | |
| | Recycled water - Flushing (CMD): | 191 m3/day | | | | | | | | |
| | Recycled water - Gardening (CMD): | 47 m3/day | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 633 m3/day | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 375 m3 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Excess treated water | 235 m3/day | | | | | | | | |
| Wet season: | Source of water | Pune Municipal Corporation/Recycled | | | | | | | | |
| | Fresh water (CMD): | 395 m3/day | | | | | | | | |
| | Recycled water - Flushing (CMD): | 191 m3/day | | | | | | | | |
| | Recycled water - Gardening (CMD): | 24 m3/day | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 609 m3/day | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 375 m3 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Excess treated water | 259 m3/day | | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | |

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| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | From 24 to 28M (as per Geological investigation report) |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 11 Dry Bores & 6 recharge Pits |
| | Size of recharge pits : | Recharge Pit- 2.50 x 2.50 x 2.40 M Dry Bore - 1.80 x 2.40 x 30 M |
| | Budgetary allocation (Capital cost) : | Rs. 123.00 Lakhs |
| | Budgetary allocation (O & M cost) : | Rs. 10.00 Lakhs /annum |
| | Details of UGT tanks if any : | For A Buildings: Recycle Water: 43m3 Fire-fighting: 300 m3 Drinking Water Storage: 200 M3/Day Domestic Water Storage: 370 M3/Day For B Buildings: Recycle Water: 10 m3 Fire-fighting: 75 M3/Day Drinking Water Storage: 179 m3 Domestic Water Storage: 331 m3 |
| 35.Storm water drainage | Natural water drainage pattern: | As per contour |
| | Quantity of storm water: | 47.75 m3/hr. |
| | Size of SWD: | The pipe diameter proposed within the premises is 300 mm to 600mm. The open Channel crossing the plot is having width 2.00 M. |
| Sewage and Waste water | Sewage generation in KLD: | 498 m3/day |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | STP- 1 for A Building : 440M3/Day & STP-2 for B Building : 70M3/Day |
| | Location & area of the STP: | Location: On Ground in decentralized manner. Area : 350.00 Sq. M. |
| | Budgetary allocation (Capital cost): | Rs. 195.00 Lakhs |
| | Budgetary allocation (O & M cost): | Rs. 25.00 Lakhs/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated soil, construction concrete, cement bags, CLC blocks, bricks, broken tiles, Scarp metals etc. will be generated |
| | Disposal of the construction waste debris: | Construction debris will be used for backfilling, site leveling, internal road preparation. Top soil will be used for landscaping. Maximum construction waste will be reused on site and remaining will be handed over to authorized vendor. |
| Waste generation in the operation Phase: | Dry waste: | 1030 kg/day |
| | Wet waste: | 1300 kg/day |
| | Hazardous waste: | Small quantity of DG set used oil, paints etc. |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 35 kg/day |
| | Others if any: | - |
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| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Will be handed over to authorized vendor |
| | Wet waste: | Will be treated in Smart Mechanical composting Machine |
| | Hazardous waste: | Handed over to authorized Vendor |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Dried and used as manure for gardening |
| | Others if any: | - |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | (20 Sq. M.- Storage) Storage Area - 16 (OWC-1) + 15 (OWC -2) = 31 Sq. M. |
| | Area for machinery: | Area for the storage of waste & other material Area for machinery- 120 m2 (100 Sq. M. for machinery) Machine Area - 48 Sq. M. (OWC-1) + 45 Sq. M. (OWC-2) = 93 sq. M. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 41.50 Lakhs |
| | O & M cost: | Rs. 9.38 Lakhs |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

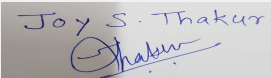
39. Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|----------------|------------------------------|-----------------------|------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40. Details of Fuel to be used

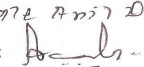
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

| | |
|--------------------|----------------|
| 41. Source of Fuel | Not applicable |
|--------------------|----------------|


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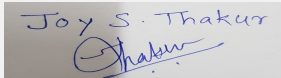
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Shri. Anil Kale (Chairman SEAC-III)

| | |
|---|----------------|
| 42.Mode of Transportation of fuel to site | Not applicable |
|---|----------------|

| | | |
|----------------------------------|--|------------------------------|
| 43.Green Belt Development | Total RG area : | 2,328.83 m2 |
| | No of trees to be cut : | NA |
| | Number of trees to be planted : | 292 |
| | List of proposed native trees : | Given below |
| | Timeline for completion of plantation : | Before completion of project |

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 | Azadirachta Indica | Neem | 21 | -Fragrant flowers or leaves, Attracts -Birds/ Butterflies/Bees, - deepgreen, Shiny foliage |
| 2 | Cassia Fistula | Bahava | 19 | Auspicious -attracts birds/bees/butterfiles -hanging or weeping growth |
| 3 | Neolamarckia Cadamba | Kadamb | 10 | Fragrant flowers or leaves - attracts butterflies/bees -quick groving/creates shade |
| 4 | Pongamia Pinnata | Indian beech tree | 6 | Fragrant flowers or leaves - attracts birds/butterflies/bees - drought tolerant |
| 5 | Lagerstromia Speciosa | Taman | 11 | -Creates shade -attracts birds/butterflies/bees -good for screening |
| 6 | Michelia Champaka | Pivala chafa | 13 | -Fragrant flowers or leaves - attracts birds/butterflies/bees - evergreen tree |
| 7 | Bauhinia Purpurea | Rakt kanchan | 17 | Fragrant flowers or leaves -plant for pooja -evergreen tree |
| 8 | Melia Azedarach | Persian lilac | 17 | -Fragrant flowers or leaves - attracts birds/butterflies/bees - medicinal uses |
| 9 | Artocarpus Heterophyllus | Jack fruit | 19 | Fruit bearing -evergreen - commercial value |
| 10 | Aegle Marmelos | Bel | 11 | -Fruit plant/medicinal plant - fragrant flowers or leaves -plant for puja or prayer flower or leaves |
| 11 | Syzygium Cumini | Jamun | 24 | -Fruit plant -fragrant flowers or leaves -attracts birds/butterflies/bees |
| 12 | Mangifera Indica | Mango | 13 | Fruit plant -fragrant flowers or leaves -attracts birds/butterflies/bees |
| 13 | Butea Monosperma | Palas | 14 | Fragrant flowers or leaves -flowers covering the entire crown -plant for pooja |
| 14 | Putranjiva Roxburghii | Putranjiva | 07 | Medicinal tree -moderate sized evergreen -pendant branches |

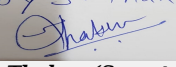
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|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 30 of 76 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

| | | | | |
|----|--------------------|-----------------|----|--|
| 15 | Terminalia Arjuna | Arjun | 09 | Medicinal tree -large sized evergreen -spreading crown and drooping branches |
| 16 | Senna Siamea | Kassod | 12 | Quick growing trees -attracts birds/butterflies/bees -evergreen tree |
| 17 | Toona Ciliata | Indian Mahogany | 11 | -Evergreen tree -attracts birds/butterflies/bees -quick growing tree |
| 18 | Albizia Lebbeck | Shirish | 13 | -Fragrant flowers or leaves - attracts birds/butterflies/bees - drought tolerant |
| 19 | Manilkara Zapota | Chikoo | 11 | Fruit plant -fragrant flowers or leaves -attracts birds/butterflies/bees |
| 20 | Terminalia Catappa | Badam | 10 | Quick growing tree -creates shade -attracts birds/bees |
| 21 | Mimusops Elengi | Bakul | 09 | -Fragrant flowers or leaves - attracts birds/bees -evergreen tree/creates shade |
| 22 | Bauhinia Racemosa | Apta | 15 | -Moderate sized deciduous tree - plant for puja or prayer flower or leaves |

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 | Tulas | 0.30 | 7 |
| 2 | Acalypha goderej | 0.30 | 9.25 |
| 3 | Plumbago Capensis | 0.45 | 24.50 |
| 4 | Ratrani | 0.45 | 22.00 |
| 5 | Tecoma Gaudichaudi | 0.45 | 25.60 |
| 6 | Shambhukas Nigra | 0.45 | 37.40 |
| 7 | Cassia Glauca | 0.45 | 12.00 |
| 8 | Thivetia | 0.45 | 26.00 |
| 9 | Sontakka | 0.30 | 15.00 |
| 10 | Hamelia Dwarf | 0.30 | 33.00 |
| 11 | Hibiscus Red | 0.45 | 18.00 |
| 12 | Myna Erecta | 0.45 | 12.00 |
| 13 | Spider Lily | 0.30 | 20.00 |
| 14 | Galphimia | 0.45 | 10.00 |
| 15 | Wedellia | 0.23 | 15.00 |
| 16 | Mogra | 0.45 | 18.00 |
| 17 | Oliender Pink | 0.45 | 13.25 |
| 18 | Lantana Depressa | 0.35 | 25.00 |
| 19 | Kamini | 0.45 | 10.50 |
| 20 | Tagar variegated | 0.35 | 21.50 |
| 21 | Kunda | 0.30 | 10.00 |
| 22 | Aboli | 0.35 | 20.00 |

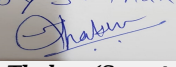
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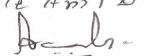
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| 47. Energy | | | |
|--|---|--------------------------------|---------------------------------------|
| Power requirement: | Source of power supply : | MSEDCL | |
| | During Construction Phase: (Demand Load) | 100 KW | |
| | DG set as Power back-up during construction phase | 1 no. x 125 KVA | |
| | During Operation phase (Connected load): | 5181 KW | |
| | During Operation phase (Demand load): | 3045KVA | |
| | Transformer: | 05 nos. x 630 KVA | |
| | DG set as Power back-up during operation phase: | 3 No's of 250 KVA | |
| | Fuel used: | Diesel | |
| | Details of high tension line passing through the plot if any: | NA | |
| 48. Energy saving by non-conventional method: | | | |
| Energy saving by non-conventional method • Common area lighting in Lift lobbies, Parking, Passage & Street light with LED lamp. • 1% Of Solar PV generation on total Connected load. • Timer switches are proposed for common area lighting. • High Efficiency transformers as per MSEDCL requirements | | | |
| 49. Detail calculations & % of saving: | | | |
| Serial Number | Energy Conservation Measures | | Saving % |
| 1 | Percentage of saving by Energy saving | | Percentage of saving by Energy saving |
| 50. Details of pollution control Systems | | | |
| Source | Existing pollution control system | | Proposed to be installed |
| Not applicable | Not applicable | | Not applicable |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 49 Lakhs | |
| | O & M cost: | Rs. 2.5 Lakhs | |
| 51. Environmental Management plan Budgetary Allocation | | | |
| a) Construction phase (with Break-up): | | | |
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
| 1 | Water for Dust Suppression | To control air pollution | 2 |
| 2 | Site Sanitation, Disinfection & Safety | To maintain hygienic condition | 1.5 |


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| | | | |
|---|-----------------------------|-------------------------------------|-----|
| 3 | Environmental Monitoring | Air, water, noise and soil analysis | 2 |
| 4 | Health Check up | To check fitness of workers | 2.5 |
| 5 | Environment Management Cell | To manage environmental issues | 8 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---|-------------------------------------|--------------------------|---|
| 1 | Rain Water Harvesting | To harvest rain water | 123.00 | 10.00 |
| 2 | Sewage Treatment Plant | To treat sewage | 195.00 | 25.00 |
| 3 | Smart Mechanical CoMposting | To treat biodegradable solid waste | 41.50 | 9.71 |
| 4 | Green Belt Development | Tree plantation | 53.55 | 5.50 |
| 5 | Energy saving | energy saving | 49 | 2.50 |
| 6 | Environment Monitoring | Air, water, noise and soil analysis | - | 3 |
| 7 | Laying of Storm line up to final disposal point | For proper storm water disposal | Included in the above | - |
| 8 | Laying of Sewer line up to final disposal point | For proper disposal of sewage | Included in the above | - |
| 9 | Environment Management Cell | To manage environmental issues | - | 7.8 |

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

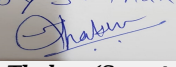
| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available


53.Traffic Management

| | |
|---|---|
| Nos. of the junction to the main road & design of confluence: | Site is connected to 24 m & 30 M wide DP road at two different locations. |
|---|---|

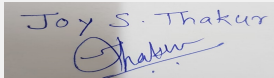
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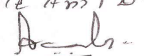
Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|--|
| Parking details: | Number and area of basement: | No. of basement: 01 in each building Area of basement Bldg A: 3666.92 m ² & Bldg B: 468.30 m ² |
| | Number and area of podia: | No. of Podium: 02 in A building (A1 to A5) Total Area of podium: 5215.00 m ² |
| | Total Parking area: | A building- 19199.63 Sq.m. B Building- 3675.00 Sq.m. |
| | Area per car: | A Building: Basement 1 - 26.00 Sq.m, Podium 1-33.64 Sq.m., Lower Ground-25.17 Sq.m. Upper ground-26.40 Sq.m., B Building: Basement 1 - 31.22 Sq.m Ground-40.80 Sq.m. Parking Lvl 1 to 3-36.00 Sq.m |
| | Area per car: | A Building: Basement 1 - 26.00 Sq.m, Podium 1-33.64 Sq.m., Lower Ground-25.17 Sq.m. Upper ground-26.40 Sq.m., B Building: Basement 1 - 31.22 Sq.m Ground-40.80 Sq.m. Parking Lvl 1 to 3-36.00 Sq.m |
| | Number of 2-Wheelers as approved by competent authority: | Scooters required: 1809 Provided: 1809 |
| | Number of 4-Wheelers as approved by competent authority: | Cars required: 859 Provided: 859 |
| | Public Transport: | NA |
| | 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 | 8(a), B2 category |
| | Court cases pending if any | NO |
| | Other Relevant Informations | - |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Environmental Impacts of the project | - | |
| Water Budget | - | |
| Waste Water Treatment | - | |

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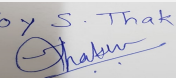
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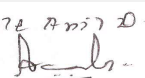
| | |
|--|----|
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | -- |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |

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PP had submitted application for prior Environmental clearance for total plot area of 26865.96 m², FSI area of 63421.54 m², Non FSI area of 48234.39 m² and total BUA of 111655.93 m².

The building configuration of the proposal is as below:

| | | | |
|---|--------------|---------------------------|----------------|
| 1 | Building A 1 | 1B +2P+2 Podium+26 floors | Height 93.64 m |
| 2 | Building A 2 | 1B +2P+2 Podium+26 floors | Height 93.64 m |
| 3 | Building A 3 | 1B +2P+2 Podium+26 floors | Height 93.64 m |
| 4 | Building A 4 | 1B +2P+2 Podium+26 floors | Height 93.64 m |
| 5 | Building A 5 | 1B +2P+2 Podium+26 floors | Height 93.64 m |
| 6 | Building B | B+G+3Podium+ 09 floors | Height 38.99 m |
| 7 | Club House | G+ 1 floor | Height 9.00 m |

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

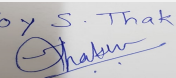
PP has satisfactorily complied with the points raised in 97th meeting of SEAC-3.

SEAC decided to **recommend** the proposal for prior environmental Clearance.

Specific Conditions by SEAC:

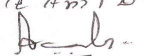
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

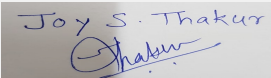
102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Environment Clearance for Proposed Commercial project at S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P) Baner, Tal-Haveli, Dist-Pune by M/s AC Realty Market LLP & Baner Land Developers LLP and Ashok Dhanraj Chordia.

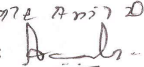
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Environment Clearance for Proposed Proposed Commercial project at S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P) Baner, Tal-Haveli, Dist-Pune by M/s AC Realty Market LLP & Baner Land Developers LLP and Ashok Dhanraj Chordia. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Ashok Dhanraj Chordia & Mr. Atul Ashok Chordia |
| 4.Name of Consultant | VK:e Environmental LLP , Pune |
| 5.Type of project | Commercial 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 | Not applicable |
| 8.Location of the project | S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P) |
| 9.Taluka | Haveli |
| 10.Village | Baner |
| Correspondence Name: | Mr. Vilas Tambe |
| Room Number: | - |
| Floor: | - |
| Building Name: | Solitaire World, Level - 8, S.No.36/1/1, Opp Regency Classic, Pune - 411045 |
| Road/Street Name: | Mumbai - Bangalore Highway |
| Locality: | Baner |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | PMC |
| 12.IOD/IOA/Concession/Plan Approval Number | Under process IOD/IOA/Concession/Plan Approval Number: Under process Approved Built-up Area: 00 |
| 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.) | 12021.42 m2 |
| 16.Deductions | 2836.05 m2 |
| 17.Net Plot area | 9185.37 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 35424.70 b) Non FSI area (sq. m.): 44471.21 c) Total BUA area (sq. m.): 79895.91 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 00 Approved Non FSI area (sq. m.): 00 Date of Approval: 15-05-2019 |
| 19.Total ground coverage (m2) | 2168.73 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 23.61 |
| 21.Estimated cost of the project | 1600000000 |


Joy S.Thakur (Secretary
SEAC-III)

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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

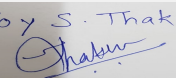
22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---|-------------------------------|------------------|-------------------------------|
| 1 | Building | 2B+G+5P+21 | 92.25 |
| 23.Number of tenants and shops | Commercial- 910 no of offices | | |
| 24.Number of expected residents / users | Commercial- 5904 nos | | |
| 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)) | 24 m wide road. | | |
| 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 | NA | | |
| 30.Details of the demolition with disposal (If applicable) | NA | | |

31.Production Details

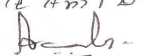
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

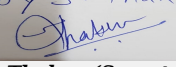
Joy S. Thakur

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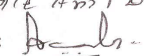
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | | | | | | | |
|------------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dry season: | Source of water | PMC | | | | | | | |
| | Fresh water (CMD): | 148 | | | | | | | |
| | Recycled water - Flushing (CMD): | 118 | | | | | | | |
| | Recycled water - Gardening (CMD): | 08 | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | |
| | Total Water Requirement (CMD) : | 274 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 | | | | | | | |
| | Excess treated water | 89 | | | | | | | |
| Wet season: | Source of water | PMC | | | | | | | |
| | Fresh water (CMD): | 148 | | | | | | | |
| | Recycled water - Flushing (CMD): | 118 | | | | | | | |
| | Recycled water - Gardening (CMD): | 08 | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | |
| | Total Water Requirement (CMD) : | 266 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 | | | | | | | |
| | Excess treated water | 97 | | | | | | | |
| Details of Swimming pool (If any) | | Not Applicable | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

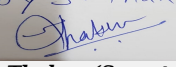
Joy S. Thakur

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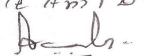
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Post monsoon 4.0 meter Pre monsoon 8.00 meter |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 3 No. of recharge pits |
| | Size of recharge pits : | Pit 2*2*2meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1*1*1 |
| | Budgetary allocation (Capital cost) : | 2,00,000/- |
| | Budgetary allocation (O & M cost) : | Rs. 15,000/- per year |
| | Details of UGT tanks if any : | Domestic UG tank Capacity: 222CMD Flushing UG tank Capacity: 178 CMD Fire UG tank Capacity 200 CMD |
| 35.Storm water drainage | Natural water drainage pattern: | The storm water drainage will be designed according to contours |
| | Quantity of storm water: | 6.52 m3/min |
| | Size of SWD: | 450mm |
| Sewage and Waste water | Sewage generation in KLD: | 239 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 1no. of STP - 240 kld |
| | Location & area of the STP: | On ground, Total Area is 120 Sq.mt. |
| | Budgetary allocation (Capital cost): | 7193000 |
| | Budgetary allocation (O & M cost): | 1056000 |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 20 kg/day (Wet waste 12 kg/day +Dry waste- 8 kg/day) |
| | Disposal of the construction waste debris: | The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads. |
| Waste generation in the operation Phase: | Dry waste: | 886 kg/day |
| | Wet waste: | 590 kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 19.80 kg/day |
| | Others if any: | E-waste- 16.17 kg/day |

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Signature: 
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 SEAC-III)

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Handed over to authorized vendor for further handling & disposal purpose |
| | Wet waste: | Wet waste will be treated in onsite organic waste converter machine. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as manure |
| | Others if any: | Handed over to authorized recyclers for further handling & disposal purpose |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | Included in Total area |
| | Area for machinery: | Total area-48 sqm. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 1475000 |
| | O & M cost: | 358080 |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

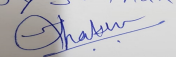
39. Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|----------------|------------------------------|-----------------------|------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |


| | |
|--------------------|----------------|
| 41. Source of Fuel | Not applicable |
|--------------------|----------------|

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| | |
|---|----------------|
| 42.Mode of Transportation of fuel to site | Not applicable |
|---|----------------|

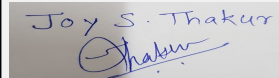
| | | |
|----------------------------------|--|---|
| 43.Green Belt Development | Total RG area : | RG area -919.81 sq. mt. |
| | No of trees to be cut : | Few trees present on site out of which some will be cut and protected |
| | Number of trees to be planted : | 465 |
| | List of proposed native trees : | Refer Below list |
| | Timeline for completion of plantation : | Till operation phase |

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 | Syzygium cumini | Jambhul tree | 35 | A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds. |
| 2 | Millingtonia hortensis | Indian cork tree | 37 | A columnar, evergreen tree, grows well both dry and moist regions. |
| 3 | Lagerstromia flos-regineae | Tamhan | 28 | State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate. |
| 4 | Pongamia pinnata | Karanj | 21 | Large tree good for stopping soil erosion along canal banks |
| 5 | Azadirachta indica | Neem | 34 | A medium to large size hardy tree which stand in drought conditions. Air Purifying quality. Attain a much larger size in dry regions. |
| 6 | Cassia fistula | Bahava | 36 | Small deciduous tree. Excellent bright flowering tree for arid regions. |
| 7 | Ficus benjamina | Weeping fig | 28 | Medium sized evergreen tree with elegant appearance and moderate water requirement. |
| 8 | Plumeria alba | Champa | 20 | Ornamental flowering tree. |
| 9 | Michelia champaca | Sonchapha | 28 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant. |
| 10 | Polyathia longifolia | Ashoka | 46 | Large evergreen tree. Effective in decreasing noise pollution |
| 11 | Mangifera indica | Mango | 47 | Large evergreen and fruit bearing tree |
| 12 | Albizia lebeck | Shirish | 27 | Shady, large tree, ball shaped flowers |
| 13 | Psidium guajava | Guava, peru | 37 | Small hardy and birds attracting tree. |
| 14 | Annona squasoma | Sitaphal | 41 | Medium size fruite bearing tree |

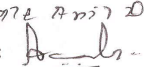
45.Total quantity of plants on ground

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


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

47. Energy

| | | |
|---------------------------|---|-----------------------------------|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 22.2 KW |
| | DG set as Power back-up during construction phase | 1 X 30 KVA |
| | During Operation phase (Connected load): | 5540.00 KW |
| | During Operation phase (Demand load): | 4084.00 kvA |
| | Transformer: | 6 nos. X 630 KVA, 1 nos X 315 KVA |
| | DG set as Power back-up during operation phase: | 1 X 500 kvA |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
2. Light Emitting Diode (LED) will be used for corridors, Lobbies and common areas.
3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improve life of the fluorescent lamps.
4. Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same, we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | Total Energy saving by using energy saving measures- | 3.00 % |

50. Details of pollution control Systems

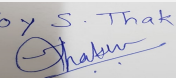
| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|---------------|---------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 4800000 |
| | O & M cost: | 240000 |

51. Environmental Management plan Budgetary Allocation

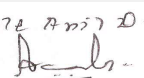
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|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 43 of 76 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

| a) Construction phase (with Break-up): | | | | | | | |
|--|--------------------------|--|---|--|---------------------------|------------------|-------------------------|
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) | | | | |
| 1 | Air Environment | Erosion control - dust suppression measures, barricading and top soil preservation | 8.77 | | | | |
| 2 | Land | Labour Camp toilets & sanitation | 4.8 | | | | |
| 3 | Health and Safety | Personal Protective Equipment | 4.0 | | | | |
| 4 | Health and Safety | Health checkup & Disinfection | 0.51 | | | | |
| 5 | Environment Management | Environment management cell | 1.75 | | | | |
| 6 | Environmental Monitoring | Environmental Monitoring | 3.26 | | | | |
| b) Operation Phase (with Break-up): | | | | | | | |
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) | | | |
| 1 | Sewage Treatment Plant | STP -MBBR Technology | 71.93 | 10.56 | | | |
| 2 | Solid Waste Management | OWC | 14.75 | 3.58 | | | |
| 3 | Landscaping | Development and Maintenance | 3.48 | 0.27 | | | |
| 4 | Rain Water Harvesting | Recharge Pits | 2.00 | 0.15 | | | |
| 5 | Renewable energy | Renewable energy | 48.00 | 2.40 | | | |
| 6 | Lightening arrestor | Lightening arrestor | 1.4 | - | | | |
| 7 | Environmental Monitoring | Environmental Monitoring | - | 1.82 | | | |
| 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 |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 52.Any Other Information | | | | | | | |
| No Information Available | | | | | | | |
| 53.Traffic Management | | | | | | | |
| Nos. of the junction to the main road & design of confluence: | | | Proposed site is located at Baner The road network within the site has been designed to cater to the traffic loads of the project | | | | |

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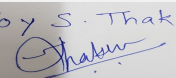
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Name: K. Anil Kale

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| | | |
|------------------|---|---|
| Parking details: | Number and area of basement: | 2 Basements |
| | Number and area of podia: | 1 no. |
| | Total Parking area: | 29179.23 sqm. |
| | Area per car: | 12.5 sqm |
| | Area per car: | 12.5 sqm |
| | Number of 2-Wheelers as approved by competent authority: | 3188 |
| | Number of 4-Wheelers as approved by competent authority: | 1063 |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | 6 m. wide internal road and 9 m. turning radius will be provided. |
| | 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 | 8a |
| | Court cases pending if any | NA |
| | Other Relevant Informations | Proposed project is commercial project located at Baner |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

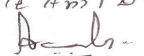
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--------------------------------------|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |

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Name: K. Anil D.
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| | |
|--|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 12021.42 m², FSI area of 35425 m², Non FSI area of 44471.21 m² and total BUA of 79895.91 m².

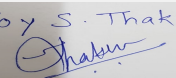
The building configuration of the proposal is as below:

1 Building 2B+G+4P+21 Height 92.25m

The proposal was previously considered in 94th SEAC-3 meeting and certain compliance was raised. However, PP has now revised the proposal by increasing one parking floor and number of floors from 14 to 21.

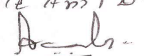
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

Joy S. Thakur

 Joy S. Thakur (Secretary
 SEAC-III)

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Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman
 SEAC-III)

During discussion following points emerged:

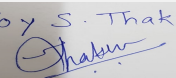
1. UGT is proposed in basement and the structural columns of the building are located within the alignment of the UGT. PP to submit details of the treatment measures proposed for protecting the columns.
2. PP to submit basement approval plan.
3. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) High Rise NOC. (e) Garden NOC.

SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

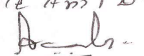
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 
**Shri. Anil Kale (Chairman
SEAC-III)**

102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune

Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Jayant Shah by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune |
| 4.Name of Consultant | VK:e Environmental LLP , Pune |
| 5.Type of project | Mixed use project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not Applicable |
| 8.Location of the project | S. No. 577/2, 577/3 |
| 9.Taluka | Haveli |
| 10.Village | Bibewadi |
| Correspondence Name: | Mr. Jayant Shah by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune |
| Room Number: | 759/34 |
| Floor: | NA |
| Building Name: | NA |
| Road/Street Name: | Bhandarkar road |
| Locality: | Near PYC Deccan Gymkhana, Pune |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | PMC |
| 12.IOD/IOA/Concession/Plan Approval Number | In process IOD/IOA/Concession/Plan Approval Number: 000 Approved Built-up Area: 000 |
| 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.) | 85,600 m2 |
| 16.Deductions | Deduction for road widening: 9320 sqm, Deduction for amenity: 11,442 sqm |
| 17.Net Plot area | 64,838.00 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 198080.09sq m b) Non FSI area (sq. m.): 217966.73 sq m c) Total BUA area (sq. m.): 416046.82 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 00 Approved Non FSI area (sq. m.): 00 Date of Approval: 16-07-2019 |
| 19.Total ground coverage (m2) | 27585 m2 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 42 |
| 21.Estimated cost of the project | 11265647144 |

22.Number of buildings & its configuration

| | | | |
|---|--|----------------------|--|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 48 of 76 | Name: K. Anil D.  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|--|

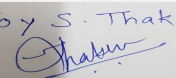
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|--|-------------------------------|
| 1 | Tower 1 (Residential) | P+28 floors | 87.0 |
| 2 | Tower 2 (Residential) | P+28 floors | 87.0 |
| 3 | Retail Bazaar Building | 2B+LG+UG&Bazaar+5 Retail Floor | 26.90 |
| 4 | Office block | 2B + LG+UG+5 Retails Floor + 20 Floors | 83.4 |
| 5 | Hotel block | 2B+2P+5 Restaurant floors+5 Hotel Floors | 40.10 |
| 6 | Parking Building 1 | B+LG+UG+5 Retail Floors+6 Parking Floors | 43.70 |
| 7 | Parking Building 2 | B+LG+UG+5 Retail Floors+6 Parking Floors | 40.70 |
| 8 | - | - | - |
| 9 | - | - | - |
| 10 | - | - | - |
| 11 | - | - | - |

| | |
|--|---|
| 23.Number of tenants and shops | Residential: 326, Offices: 20, retail shops, Hotel: 110 rooms, Restaurant |
| 24.Number of expected residents / users | Residential 1630 users , Commercial: Retail 15,840, hotel block & Restaurant users 1332, office 2255 users, |
| 25.Tenant density per hectare | Tenant Density 2459.9 /hec. Tenement Density 190.42 / hec. |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | Nearest fire station: Gangadham fire station Distance : 0.25 Km |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | For easy access of fire tender 9m turning radius will be provided. |
| 29.Existing structure (s) if any | Temporary structures exist on site. |
| 30.Details of the demolition with disposal (If applicable) | NA |

31.Production Details

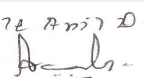
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

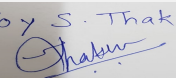
Joy S. Thakur

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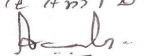
Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | | | | | | | | |
|------------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dry season: | Source of water | PMC | | | | | | | |
| | Fresh water (CMD): | 369 | | | | | | | |
| | Recycled water - Flushing (CMD): | 322 | | | | | | | |
| | Recycled water - Gardening (CMD): | 75 | | | | | | | |
| | Swimming pool make up (Cum): | 0 | | | | | | | |
| | Total Water Requirement (CMD) : | 793 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 474 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 70 | | | | | | | |
| | Excess treated water | 187 | | | | | | | |
| Wet season: | Source of water | PMC | | | | | | | |
| | Fresh water (CMD): | 396 | | | | | | | |
| | Recycled water - Flushing (CMD): | 322 | | | | | | | |
| | Recycled water - Gardening (CMD): | 00 | | | | | | | |
| | Swimming pool make up (Cum): | 00 | | | | | | | |
| | Total Water Requirement (CMD) : | 718 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 474 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 70 | | | | | | | |
| | Excess treated water | 262 | | | | | | | |
| Details of Swimming pool (If any) | | NA | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

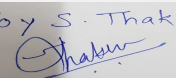
Joy S. Thakur

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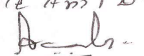
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Post monsoon 6.40 meter Pre monsoon 16.40 meter |
| | Size and no of RWH tank(s) and Quantity: | NA |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | 13 Nos. of recharge pits proposed |
| | Size of recharge pits : | Pit 2*2*2 meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1*1*1 |
| | Budgetary allocation (Capital cost) : | 9,75,000 /- |
| | Budgetary allocation (O & M cost) : | 65,000 /- |
| | Details of UGT tanks if any : | Total UGT capacity including residential and commercial 475000 liter |
| 35.Storm water drainage | Natural water drainage pattern: | Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits. |
| | Quantity of storm water: | 57.5656 cu m per minute |
| | Size of SWD: | 600 mm |
| Sewage and Waste water | Sewage generation in KLD: | Total sewage generation 649 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | Total 3 STP's are proposed having total capacity of 650 kld |
| | Location & area of the STP: | On ground |
| | Budgetary allocation (Capital cost): | 1,96,84,000 /- |
| | Budgetary allocation (O & M cost): | 41,19,000/- |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Dry waste (Kg/day): 40 kg/day -Wet waste (Kg/day): 60 kg/day -Total waste generated: 100 Kg/day |
| | Disposal of the construction waste debris: | The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling. |
| Waste generation in the operation Phase: | Dry waste: | 3407 kg/day |
| | Wet waste: | 2821 |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 96.7 kg /day |
| | Others if any: | E-waste : 55kg/day |

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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Dry waste will be segregated into recyclable and non-recyclable waste. Non degradable waste will be handed over to "SwaCH" (Co-operative enterprise for waste collection. Dried sludge from STP will be used as manure |
| | Wet waste: | Biodegradable waste will be treated in Organic Waste Converter. Separate OWCs are proposed for different sectors and amenities. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Dried sludge from STP will be used as manure. |
| | Others if any: | E-waste will be sent to authorized vendors. |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | 220 sq.m |
| | Area for machinery: | 220 sqm |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs 66,75,000/- |
| | O & M cost: | Rs 15,27,777/- |

37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Amount of effluent generation (CMD): | | Not applicable | | | |
| Capacity of the ETP: | | Not applicable | | | |
| Amount of treated effluent recycled : | | Not applicable | | | |
| Amount of water send to the CETP: | | Not applicable | | | |
| Membership of CETP (if require): | | Not applicable | | | |
| Note on ETP technology to be used | | Not applicable | | | |
| Disposal of the ETP sludge | | Not applicable | | | |

38.Hazardous Waste Details

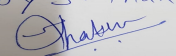
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

40.Details of Fuel to be used

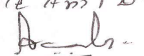
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

Joy S. Thakur


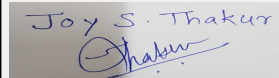
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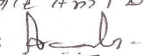
Name: K. Anil Kale

 Signature: Shri. Anil Kale (Chairman SEAC-III)

| | | | | |
|---|---|---|----------|---|
| 41.Source of Fuel | | NA | | |
| 42.Mode of Transportation of fuel to site | | NA | | |
| | | | | |
| 43.Green Belt Development | Total RG area : | 7628 m2 | | |
| | No of trees to be cut : | Few of the existing trees will be transplanted, other trees will be protected | | |
| | Number of trees to be planted : | 995 | | |
| | List of proposed native trees : | Refer Below list: | | |
| | Timeline for completion of plantation : | Till operation phase | | |
| 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 | Syzygium cumini | Jambhul tree | 50 | A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds. |
| 2 | Millingtonia hortensis | Indian cork tree | 50 | A columnar, evergreen tree, grows well both dry and moist regions |
| 3 | Lagerstromia flos-regineae | Tamhan | 35 | State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate. |
| 4 | Pongamia pinnata | Karanj | 50 | Large tree good for stopping soil erosion along canal banks |
| 5 | Azadirachta indica | Neem | 71 | A medium to large size hardy tree which stand in drought conditions. Air Purifying quality. Attain a much larger size in dry regions |
| 6 | Cassia fistula | Bahava | 40 | Small deciduous tree. Excellent bright flowering tree for arid regions |
| 7 | Ficus benjamina | Weeping fig | 38 | Medium sized evergreen tree with elegant appearance and moderate water requirement. |
| 8 | Plumeria alba | Champa | 55 | Ornamental flowering tree |
| 9 | Michelia champaca | Sonchapha | 45 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant |
| 10 | Polyathia longifolia | Ashoka | 40 | Large evergreen tree. Effective in decreasing noise pollution |
| 11 | Mangifera indica | mango | 60 | Large evergreen and fruit bearing tree |
| 12 | Albizia lebeck | Shirish | 48 | Shady, large tree, ball shaped flowers |
| 13 | Psidium guajava | Guava, peru | 63 | Small hardy and birds attracting tree. |
| 14 | Jacaranda mimosifolia | Jacaranda | 56 | Medium size gracious deciduous, flowering tree which prefers moderate climate |


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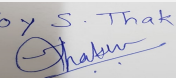
| | | | | |
|----|-----------------------|---------------|----|---|
| 15 | Khaya senghalis | Khaya | 45 | Large roadside tree with white sweet scented flowers |
| 16 | Spathodia campanulata | Pichkari | 50 | A handsome large deciduous flowering tree. Good for roadside plantation |
| 17 | Bauhinia purpurea | Rakta Kanchan | 45 | Small hardy tree with beautiful pink flowers |
| 18 | Manilkara zapota | Chikoo | 61 | Small evergreen tree, fruit bearing common in gardens |
| 19 | Cocos nucifera | Coconut | 45 | Large palm, native to western ghats |
| 20 | Butea monosperma | Palas | 48 | Small deciduous, good for road side plantation |

45.Total quantity of plants on ground

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

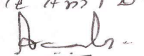
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | - | - | - |
| 2 | - | - | - |
| 3 | - | - | - |
| 4 | - | - | - |
| 5 | - | - | - |
| 6 | - | - | - |
| 7 | - | - | - |
| 8 | - | - | - |
| 9 | - | - | - |
| 10 | - | - | - |

47.Energy

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | Maharashtra State Electricity Distribution Company Limited (M.S.E.D.C.L.) |
| | During Construction Phase: (Demand Load) | 235.67 KW |
| | DG set as Power back-up during construction phase | 320 kVA |
| | During Operation phase (Connected load): | 55563.71 KW |
| | During Operation phase (Demand load): | 26741.70 kVA |
| | Transformer: | Residential: 630 Kva-2 nos. Office & Retail Block: 1000 Kva-7 nos. Hotel & Restaurant Block 1000 Kva-6 nos. |
| | DG set as Power back-up during operation phase: | Residential: 625 Kva-1no. Office & Retail Block: 1010 Kva-10 nos. Hotel Block Restaurant Block 1010 Kva-08 nos. |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Total Energy Saving : 31 %

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Total Energy Saving | 31% |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|------------------------|--------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 1,0067,500/- |
| | O & M cost: | 2,01,350/- |

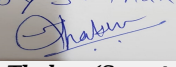
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------|--|------------------------------------|
| 1 | Air Environment | Erosion control - dust suppression measures, barricading and top soil preservation | 57.48 |
| 2 | Land | Labour Camp toilets & sanitation | 10.0 |
| 3 | Health and Safety | Health checkup & Disinfection | 2.25 |
| 4 | Environment Management | Environment management cell | 3.0 |

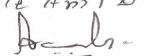
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|  Joy S. Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 55 of 76 | Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III) |
|--|--|----------------------|--|

| | | | | | | | |
|--|---|-----------------------------|--|--|---|------------------|-------------------------|
| 5 | Environmental Monitoring | Environmental Monitoring | 10.56 | | | | |
| b) Operation Phase (with Break-up): | | | | | | | |
| Serial Number | Component | Description | Capital cost Rs. In Lacs | | Operational and Maintenance cost (Rs. in Lacs/yr) | | |
| 1 | Sewage Treatment Plant | STP | 196.84 | | 41.19 | | |
| 2 | Solid Waste Management | OWC | 66.75 | | 15.27 | | |
| 3 | Landscaping | Development and Maintenance | 34.10 | | 3.41 | | |
| 4 | Rain Water Harvesting | Rain Water Harvesting | 13.0 | | 1.3 | | |
| 5 | Energy Saving | Solar PV panels | 100.6 | | 2.01 | | |
| 6 | Environmental Monitoring | Environmental Monitoring | - | | 11.50 | | |
| 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 |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 52.Any Other Information | | | | | | | |
| No Information Available | | | | | | | |
| 53.Traffic Management | | | | | | | |
| | Nos. of the junction to the main road & design of confluence: | | Proposed site is located at Bibewadi. For internal traffic movement 6m wide driveway and 9 m turning radius is proposed. | | | | |

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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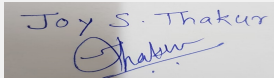
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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|------------------|---|---|
| Parking details: | Number and area of basement: | 2 Nos., 46104 sq. m. |
| | Number and area of podia: | 00 |
| | Total Parking area: | 114886.89 sqm |
| | Area per car: | 12.5 sqm |
| | Area per car: | 12.5 sqm |
| | Number of 2-Wheelers as approved by competent authority: | 11659 Nos |
| | Number of 4-Wheelers as approved by competent authority: | 4331 Nos |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | Width of all Internal roads: 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 | 8(b) Township and Area Development Project |
| | Court cases pending if any | NA |
| | Other Relevant Informations | Proposed Mixed use Development is located at Bibewadi |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

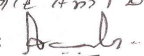
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

| | |
|--------------------------------------|---|
| Environmental Impacts of the project | - |
| Water Budget | - |
| Waste Water Treatment | - |
| Drainage pattern of the project | - |
| Ground water parameters | - |
| Solid Waste Management | - |


Joy S. Thakur (Secretary SEAC-III)

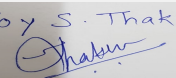
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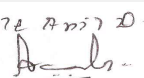
| | |
|--|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |

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Joy S. Thakur

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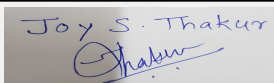
PP had submitted application for prior Environmental clearance for total plot area of 85600 m², FSI area of 198080.09 m², Non FSI area of 217966.73 m² and total BUA of 416046.82 m².

The building configuration of the proposal is as below:

- 1 Tower 1 3P+ 27 floors Height 99.50 m
- 2 Tower 2 3P+ 24 floors Height 90.50 m
- 3 Tower 3 4P+ 27floors Height 99.5 m
- 4 Tower 4 3P+ 24 floors Height 90.50 m
- 5 Tower 5 2P+ 25 floors Height 93.50 m
- 6 Tower 6 3P+ 27 floors Height 99.50 m
- 7 Tower 7 2P+ 24 floors Height 90.50 m
- 8 Tower 8 2P+ 17 floors Height 69.50 m
- 9 Office block 1 2P+4 Retails floors+12 floors Height 61.10 m
- 10 Office block 2 2P+4 Retails floors+6 floors Height 43.10 m
- 11 Office block 3 3B+2P+2 Retail floor+12 floors Height 61.10 m

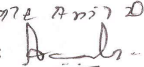
PP was issued Terms of Reference in 95th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP). PP has submitted EIA report accordingly.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.


**Joy S. Thakur (Secretary
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SEAC-III)**

DECISION OF SEAC

During discussion following points emerged:

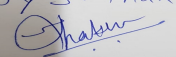
1. PP to submit details regarding AC system proposed for hotel and entire mall along with details of water budget and source of water.
2. PP to submit site specific, executable and auditable environment management plan (EMP).
3. In case of air quality modelling for operational phase PM10 and PM2.5 values are exceeding for station AAQ1 (106.7 ug/m³ and 71.10 ug/m³ respectively). PP to submit the details of modelling assumptions / scenario considered. Also submit specific mitigation measures so as to avoid exceedance of PM10 and PM2.5.
4. Background noise levels at all locations NL1 to NL7 are repeated much higher than the prescribed limit of daytime and night time both (in range of 67 dBA to 74dBA and 50,2 dBA to 57.4 dBA respectively). PP to provide specific mitigation measures to protect residents from high noise levels.
5. PP to submit Ecological footprint calculation using LCA approach and Carbon footprint of the project and details of calculations for operational phase. PP to submit Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.
6. PP to submit co-ordinated master layout superimposing all environmental parameters.
7. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) Aviation Authority NOC. (e) Tree cutting NOC. (f) Garden NOC.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

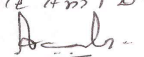
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

Joy S. Thakur


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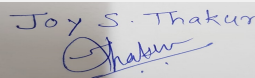
102 SEAC-3 meeting day 03

SEAC Meeting number: 102 Meeting Date January 24, 2020

Subject: Environment Clearance for Expansion of Building Construction Project

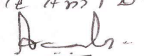
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | "Kalpataru Estate" |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Kalpataru Constructions (Pune) |
| 4.Name of Consultant | M/s. ABC Techno Labs India Pvt. Ltd. |
| 5.Type of project | Housing Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion in existing project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes. Environment Clearance obtained dated 02/01/2007 |
| 8.Location of the project | S. No.-: 85/1A/1, 85/1B/2/1, 91/1A, 90/2/1, 86/2B/1 |
| 9.Taluka | Haveli |
| 10.Village | Pimple Gurav |
| Correspondence Name: | M/s. Kalpataru Constructions (Pune) |
| Room Number: | 603 |
| Floor: | 6th Floor |
| Building Name: | Mayfair Tower I |
| Road/Street Name: | Old Mumbai - Pune Road |
| Locality: | Wakadewadi, Shivajinagar |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Pimpri Chinchwad Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Yes |
| | IOD/IOA/Concession/Plan Approval Number: B.P./Layout/ENV/P.Gurav/1/2017 dated 20/12/2017 |
| | Approved Built-up Area: 144512.46 |
| 13.Note on the initiated work (If applicable) | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed ,Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B)- Completed, Residential Building 8A, 8B, 8C (Partly completed), Existing Total Area: 1,29,653.43 m2 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Not Applicable |
| 15.Total Plot Area (sq. m.) | 84,800.00 Sqm |
| 16.Deductions | 39,485.50 Sqm |
| 17.Net Plot area | 45,314.50 Sqm |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 78,690.64 Sqm |
| | b) Non FSI area (sq. m.): 65,821.82 Sqm |
| | c) Total BUA area (sq. m.): 144512.46 |
| 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) | 10897.78 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 19% |
| 21.Estimated cost of the project | 2474345901 |


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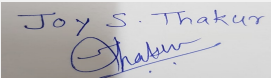
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22.Number of buildings & its configuration

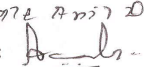
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1 | Existing Phase I: | - | - |
| 2 | 1 A | P + 7 Floors | 20.30 |
| 3 | 1 B | P + 7 Floors | 20.30 |
| 4 | 2 A | P + 7 Floors | 20.30 |
| 5 | 2 B | P + 7 Floors | 20.30 |
| 6 | 3 A | P + 7 Floors | 20.30 |
| 7 | 3 B | P + 7 Floors | 20.30 |
| 8 | Shops | 3 No | 4.80 |
| 9 | Existing Phase II: | - | - |
| 10 | 4 A | P + 12 Floors | 34.80 |
| 11 | 4 B | P + 12 Floors | 34.80 |
| 12 | 4 C | 2P + 12 Floors | 34.80 |
| 13 | 4 D | 2P + 12 Floors | 34.80 |
| 14 | 5 A | 2P + 12 Floors | 34.80 |
| 15 | 5 B | 2P + 12 Floors | 34.80 |
| 16 | 5 C | 2P + 12 Floors | 34.80 |
| 17 | 6 A | P + 12 Floors | 34.80 |
| 18 | 6 B | P + 12 Floors | 34.80 |
| 19 | 6 C | P + 12 Floors | 34.80 |
| 20 | Existing Phase III: | - | - |
| 21 | 7 A | P + 12 Floors | 34.80 |
| 22 | 7 B | P + 12 Floors | 34.80 |
| 23 | 7 C | P + 11 Floors | 31.90 |
| 24 | 7 D | P + 11 Floors | 31.90 |
| 25 | 9 A | P + 9 Floors | 26.10 |
| 26 | 9 B | P + 12 Floors | 34.80 |
| 27 | Proposed Phase III: | - | - |
| 28 | 8 A | P + 12 Floors | 35.40 |
| 29 | 8 B | P + 12 Floors | 35.40 |
| 30 | 8 C | P + 12 Floors | 35.40 |

| | |
|--|---|
| 23.Number of tenants and shops | Existing: 897 Nos. & 3 Shops Proposed: 69 Nos. Total: 966 Tenements & 3 Shops |
| 24.Number of expected residents / users | Existing: 4485 Nos. Proposed: 345 Nos. Commercial (Shops) : 21 Total -4851 |
| 25.Tenant density per hectare | 213.24 |
| 26.Height of the building(s) | |


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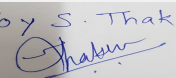
| | |
|--|---|
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 45 M wide D.P. road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 m |
| 29.Existing structure (s) if any | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed, Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B)- Completed, Residential Building 8A, 8B, 8C (Partly completed) Existing Total Area: 1,29,653.43 m ² |
| 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 | Not applicable | Not applicable | Not applicable | Not applicable |

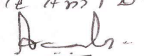
32.Total Water Requirement

| | | |
|-------------|--|---------|
| Dry season: | Source of water | PCMC |
| | Fresh water (CMD): | 449.504 |
| | Recycled water - Flushing (CMD): | 225.072 |
| | Recycled water - Gardening (CMD): | 27.271 |
| | Swimming pool make up (Cum): | 11.6 |
| | Total Water Requirement (CMD) : | 701.847 |
| | Fire fighting - Underground water tank(CMD): | 800 |
| | Fire fighting - Overhead water tank(CMD): | 380 |
| | Excess treated water | 278.036 |

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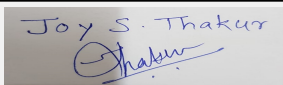
| | | |
|--------------------|---|----------------|
| Wet season: | Source of water | PCMC |
| | Fresh water (CMD): | 449.504 |
| | Recycled water - Flushing (CMD): | 225.072 |
| | Recycled water - Gardening (CMD): | Not Applicable |
| | Swimming pool make up (Cum): | 11.6 |
| | Total Water Requirement (CMD) : | 674.576 |
| | Fire fighting - Underground water tank(CMD): | 800 |
| | Fire fighting - Overhead water tank(CMD): | 380 |
| | Excess treated water | 305.307 |

| | |
|--|---|
| Details of Swimming pool (If any) | <p>Dimension of Swimming Pool: - Main Pool: 25m X 11.5m X 1.2m depth Kids Pool: 8.7m X 7.5m X 0.45m depth</p> <p>Total water Requirement: 374 Cum Water requirement for make-up: 11.6 m3/day</p> <p>Budgetary allocation (Capital cost and O & M cost) Capital Cost: Rs. 77,00,000/- O & M Cost: Rs. 1,50,000/- per annum</p> |
|--|---|

33.Details of Total water consumed

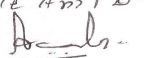
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|--------------------------|--------------------------|-----------------|--------------|-------------------|-----------------|----------------|-----------------------|-----------------|----------------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Water Requirement | | | | | | | | | |
| Fresh water requirement | 418.454 | 31.050 | 449.504 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Domestic | 628.001 | 46.575 | 674.576 | 83.691 | 6.21 | 89.901 | 544.310 | 40.365 | 584.675 |
| Gardening | 24.543 | 2.728 | 27.271 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Pre Monsoon: 11-18 m BGL, Post Monsoon:1.2-2.9 m BGL |
| | Size and no of RWH tank(s) and Quantity: | Not Applicable |
| | Location of the RWH tank(s): | Not Applicable |
| | Quantity of recharge pits: | 17 No. Provided |
| | Size of recharge pits : | 6m x 4m x 2.5m |
| | Budgetary allocation (Capital cost) : | Rs. 59,50,000/- |
| | Budgetary allocation (O & M cost) : | Rs. 1,02,000/- per annum |
| | Details of UGT tanks if any : | Domestic: 1099.292 KLD Flushing: 549.966 KLD Fire: 800 KLD |
| | | |
| 35.Storm water drainage | Natural water drainage pattern: | As per contour |
| | Quantity of storm water: | 122.50 m3/hr |
| | Size of SWD: | 600 mm |
| | | |
| Sewage and Waste water | Sewage generation in KLD: | Existing: 544.310, Proposed: 40.365, Total: 584.675 KLD |
| | STP technology: | Extended Aeration System |
| | Capacity of STP (CMD): | 1 No. 750 KLD Provided |
| | Location & area of the STP: | As shown in layout plan |
| | Budgetary allocation (Capital cost): | Rs.1,25,11,000/- |
| | Budgetary allocation (O & M cost): | Rs. 8,00,000/- per Annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 12720 CUM |
| | Disposal of the construction waste debris: | Use for Land Leveling |
| Waste generation in the operation Phase: | Dry waste: | 969.15 kg/day |
| | Wet waste: | 1451.1 kg/day |
| | Hazardous waste: | Not Applicable |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | 35.08 kg/day |
| | Others if any: | E Waste: 2430 Kg/year |

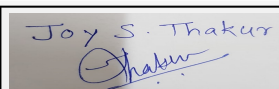

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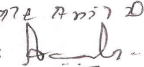
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Signature: 
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| | | | | | | | |
|--|--|--|---------------------------------------|--|--|-------------------------------|---------------------------|
| Mode of Disposal of waste: | Dry waste: | Through SWACH agency | | | | | |
| | Wet waste: | Organic Waste Convertor | | | | | |
| | Hazardous waste: | Not Applicable | | | | | |
| | Biomedical waste (If applicable): | Not Applicable | | | | | |
| | STP Sludge (Dry sludge): | Used as Manure after treatment in OWC | | | | | |
| | Others if any: | E-waste - Handed over to authorized dealer | | | | | |
| Area requirement: | Location(s): | Refer Master Layout | | | | | |
| | Area for the storage of waste & other material: | 190.00 m ² | | | | | |
| | Area for machinery: | Included | | | | | |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 44,50,000/- | | | | | |
| | O & M cost: | Rs. 11,05,046/- per annum | | | | | |
| 37. Effluent Characteristics | | | | | | | |
| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) | | |
| 1 | BOD | Mg/l | 215 | 10 | 30 | | |
| 2 | COD | Mg/l | 680 | 32.26 | 250 | | |
| 3 | Coliforms | Cfu/ml | <2 | <2 | - | | |
| 4 | E. Coli | Cfu/ml | Absent | Absent | - | | |
| Amount of effluent generation (CMD): | | Not applicable | | | | | |
| Capacity of the ETP: | | Not applicable | | | | | |
| Amount of treated effluent recycled : | | Not applicable | | | | | |
| Amount of water sent to the CETP: | | Not applicable | | | | | |
| Membership of CETP (if require): | | Not applicable | | | | | |
| Note on ETP technology to be used | | Not applicable | | | | | |
| Disposal of the ETP sludge | | Not applicable | | | | | |
| 38. Hazardous Waste Details | | | | | | | |
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 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 | |


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| | | | | | | |
|---|----------------|---|-------|------|--------|--------------------|
| 1 | Not applicable | Type of Fuel: HSD Existing: For 125 KVA X 1 No.: 15 Lit/hr For 200 KVA X 2 No.: 44 Lit/hr For 250 KVA X 1 No.: 30 Lit/hr Proposed: 200 KVA X 1 No.: 42.5 Lit/Hr at 100% loading | 5 No. | 6.23 | 125 mm | 300 Degree Celsius |
|---|----------------|---|-------|------|--------|--------------------|

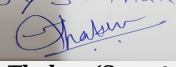
40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---|--------------|--|--|------------------|
| 1 | HSD | For 125 KVA X 1 No.: 15 Lit/hr For 200 KVA X 2 No.: 44 Lit/hr For 250 KVA X 1 No.: 30 Lit/hr | For 200 KVA X 1 No: 42.5 litre/Hour @ 100% Loading | 131.5 litre/Hour |
| 41.Source of Fuel | | Nearby pump | | |
| 42.Mode of Transportation of fuel to site | | By Road | | |

| | | |
|----------------------------------|--|--------------------------------------|
| 43.Green Belt Development | Total RG area : | 5678.65 Sqm |
| | No of trees to be cut : | Not Applicable |
| | Number of trees to be planted : | 626 No. |
| | List of proposed native trees : | As shown below |
| | Timeline for completion of plantation : | At the time of completion of project |


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 | Michelia champaka | Son Chafa | 10 | Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing. |
| 2 | Azadirachta indica | Neem | 36 | Medicinal value. To control soil erosion. Pest and disease control |
| 3 | Spathodea campanulata | African Tulip Tree | 43 | Evergreen , flowering, medicinal and timber products |
| 4 | Tabebuia rosea | Pink Trumpet tree | 54 | Flowering, Medicinal use |
| 5 | Alstonia scholaris | Satvin | 32 | Evergreen , medicinal |
| 6 | Pongamia pinnata | Karanj | 4 | Medicinal, controls soil erosion |
| 7 | Ficus racemosa | Umber | 3 | Evergreen, Medicinal, Birds attracting, slope stabilization |
| 8 | Lagerstroemia indica | Pride of India | 17 | Native, attracts butterflies and bees |
| 9 | Cassia fistula | Bahava | 22 | Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly. |

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

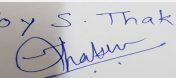
| | | | | |
|----|--------------------------|--------------------|----|--|
| 10 | Mangifera indica | Mango / Amba | 2 | Fruit bearing, evergreen , medicinal, birds attracting |
| 11 | Moringa oleifera | Shevga / Drumstick | 2 | Fast growing, drought- resistant tree, medicinal properties |
| 12 | Plumeria rubra | Chafa | 21 | Medicinal value, Ornamental |
| 13 | Bauhinea blackena | Apta / Kanchanar | 35 | Every part of the plant is medicinal, Drought tolerant species. |
| 14 | Delonix regia | Gulmohar | 1 | Attracts bees and butterflies |
| 15 | Ficus religiosa | Pimpal | 3 | Religious, Evergreen, Medicinal |
| 16 | Plumeria alba | Chafa | 20 | Medicinal value, Ornamental |
| 17 | Bixa orellana | Sendri | 6 | Industrial use, Medicinal use, Culinary use, attracts butterflies and bees |
| 18 | Peltophorum pterosperrum | Copper pod | 4 | Evergreen, ornamental, timber products |
| 19 | Plumeria pudica | Khair Chafa | 6 | Ornamental, flowering, quick growing |
| 20 | Ficus benamina | Weeping fig | 1 | Evergreen, birds attracting, fast growing |
| 21 | Bauhinea purpurea | Kanchan | 29 | Native, quick growing, flowering, attracts birds, butterflies, bees |
| 22 | Switenia mahogani | Mahagony | 38 | Timber products, Evergreen, medicinal uses, quick growing, attracts bees |
| 23 | Brassia actinophylla | Umbrella tree | 3 | Evergreen, Shade/ indoor tree, attracts birds |
| 24 | Putranjiva roxburgii | Putranjiva | 12 | Evergreen, Ornamental, medicinal, attracts birds |
| 25 | Callistemon lanceolatus | Bottle brush | 9 | Evergreen, attracts birds and butterflies, quick growing |
| 26 | Mimusops elengii | Bakul | 10 | Flowering tree, Fragrant flowers, attracts birds and bees, evergreen |
| 27 | Millingtonia hortensis | Indian cork tree | 46 | Evergreen, bird attracting tree, fast growing |
| 28 | Leucaena leucocephala | Subabul | 3 | Fast growing, evergreen |

45.Total quantity of plants on ground

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

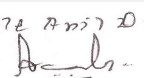
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable |

47.Energy

Joy S. Thakur

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Name: K. Anil Kale
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| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 45 KW |
| | DG set as Power back-up during construction phase | 1 No X 63 KVA |
| | During Operation phase (Connected load): | Existing Buildings: 4838 KW, Proposed Buildings: 780.80 KW |
| | During Operation phase (Demand load): | Existing Buildings: 2757.8 KW, Proposed Buildings: 442.34 KW |
| | Transformer: | Existing Buildings: 630 KVA X 8 No. and 315 KVA X 2 No., Proposed Buildings: 630 KVA X 1 No. |
| | DG set as Power back-up during operation phase: | Existing Buildings: 125 KVA X 1 No., 200 KVA X 2 No. and 250 KVA X 1 No. Proposed Buildings: 200 KVA X 1 No |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | Not Applicable |

48. Energy saving by non-conventional method:

Solar water heating system

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area. | 39.17% |
| 2 | Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting | 33.33% |
| 3 | Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T5 fixture with Electronic Ballast for Flat internal point. | 48.72% |
| 4 | Energy Saving using Solar Water Heater Against Electrical water Heater | 74.29% |
| 5 | Energy saving using Low Loss Transformer Against Conventional Transformer | 5% |

50. Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|--------------------------|-----------------------------------|-------------------------------|
| Air Pollution by DG sets | Acoustic enclosure for DG set | Acoustic enclosure for DG set |
| Sewage Water | STP Provided | STP Provided |

Budgetary allocation (Capital cost and O&M cost):

Capital cost:

Rs. 18,50,000/-

O & M cost:

Rs. 1,90,000/- per Annum

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|----------------------------|-------------------------------|------------------------------------|
| 1 | Air Environment | Water for Dust Separation | 1.08 |
| 2 | Air Environment | Air & Noise monitoring | 0.2 |
| 3 | Water Environment | Tanker water for construction | 6.50 |
| 4 | Water Environment | Water monitoring | 0.5 |
| 5 | Land Environment | Site Sanitation & safety | 2.5 |
| 6 | Socio Economic Environment | Disinfection-Pest Control | 0.9 |
| 7 | Socio Economic Environment | Health Check up | 0.8 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---|---|--------------------------|---|
| 1 | Sewage Treatment Plant | Waste Water Treatment | 125.11 | 8.0 |
| 2 | Rain Water Harvesting | 17 No of recharging pits | 59.50 | 1.02 |
| 3 | Laying of storm water & Sewer line up to final disposal point | NA | 106.95 | 0.25 |
| 4 | Organic Waste Composting | Biodegradable solid waste treatment | 44.50 | 11.05 |
| 5 | Gardening | Landscape Development | 231.20 | 23.12 |
| 6 | Electrical | Energy Saving measures | 18.5 | 1.90 |
| 7 | Environmental Monitoring | Ambient Air Quality, Noise Level, Exhaust | - | 1.5 |

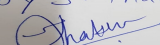
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| 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 |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

52.Any Other Information

No Information Available

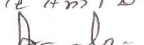
53.Traffic Management

Joy S. Thakur


Joy S.Thakur (Secretary
SEAC-III)

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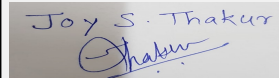
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Name: K. Anil D.

 Signature: Shri. Anil Kale (Chairman
SEAC-III)

| | | |
|-------------------------|--|---|
| | Nos. of the junction to the main road & design of confluence: | Traffic generated From this project is confluent on existing 45 m & 18 m wide DP Road & 12 m wide internal road |
| Parking details: | Number and area of basement: | Not applicable |
| | Number and area of podia: | Not Applicable |
| | Total Parking area: | 18890.48 sqm |
| | Area per car: | 30 sqm including drive way |
| | Area per car: | 30 sqm including drive way |
| | Number of 2-Wheelers as approved by competent authority: | Existing - 1818 No, Proposed - 138 No |
| | Number of 4-Wheelers as approved by competent authority: | Existing - 587 No, Proposed - 69 No |
| | Public Transport: | Nearest Bus Stop- Pimple Gurav |
| | Width of all Internal roads (m): | 12m |
| | CRZ/ RRZ clearance obtain, if any: | Not Applicable |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Not Applicable |
| | Category as per schedule of EIA Notification sheet | Not Applicable |
| | Court cases pending if any | Not Applicable |
| | Other Relevant Informations | Not Applicable |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

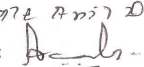
TOR Suggested Changes

| Consolidated Statement Point Number | Original Remarks | Submitted Changes |
|-------------------------------------|--------------------------------------|--|
| Is a Violation Case: | "No" | "Yes" |
| 4.Name of Consultant | M/s. ABC Techno Labs India Pvt. Ltd. | ULTRA TECH NABET Certificate No.: NABET/EIA/1720/ RA 0094, Valid till 10/03/2020 |

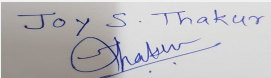

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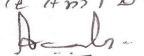
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|---|--|
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes. Environment Clearance obtained dated 02/01/2007 | Yes. Environment Clearance was obtained vide letter no. 21-500/2006-IA.III dated 02/01/2007 |
| Correspondence Name: | M/s. Kalpataru Constructions (Pune) | M/s. Kalpataru Constructions (Pune) and project proponent Mr. Jayant Oswal |
| 13.Note on the initiated work (If applicable) | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed ,Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B)- Completed, Residential Building 8A, 8B, 8C (Partly completed), Existing Total Area: 1,29,653.43 m2 | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed ,Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B) - Completed, Residential Building 8A, 8B, 8C (Partly completed), Existing Total Area: 1,32,029.68 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | FSI area (sq. m.): 78,690.64 Sqm | FSI area (sq. m.): 76448.93 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | Non FSI area (sq. m.): 65,821.82 | Non FSI area (sq. m.): 65821.82 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | Total BUA area (sq. m.): 144512.46 | Total BUA area (sq. m.): 142270.75 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): - | Approved FSI area (sq. m.): 78,690.64 |
| 18 (b).Approved Built up area as per DCR | Approved Non FSI area (sq. m.): - | Approved Non FSI area (sq. m.): 65,821.82 |
| 18 (b).Approved Built up area as per DCR | Date of Approval: - | Date of Approval: 20.12.2017 |
| 19.Total ground coverage (m2) | 10897.78 | 10578.60 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 19% | 18.5% |
| 21.Estimated cost of the project | 2474345901 | Rs. 184,70,85,777.79 |
| 29.Existing structure (s) if any | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed ,Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B)- Completed, Residential Building 8A, 8B, 8C (Partly completed), Existing Total Area: 1,29,653.43 m2 | Existing: Phase 1 Residential Building (1A, 1B, 2A, 2B, 3A, 3B & 3 Shops)- Completed ,Phase 2 Residential Building (4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A, 6B, 6C)- Completed, Phase 3 Residential Building (7A, 7B, 7C, 9A, 9B)- Completed, Residential Building 8A, 8B, 8C (Partly completed), Existing Total Area: 1,32,029.68 m2 |
| 36. Sewage and Waste water | Budgetary allocation (Capital cost): Rs.1,25,11,000/- | Budgetary allocation (Capital cost): Rs. 13,28,000/- |
| 37. Solid waste Management | Waste generation in the Pre-Construction and Construction phase: Waste generation: 12720 CUM | Waste generation in the Pre-Construction and Construction phase - Waste generation: 56,285 CUM |
| 45. Number and list of trees species to be planted in the ground | - | Name of the plant: Wodyetia bifurcata, Quantity - 91 Nos. |
| 45. Number and list of trees species to be planted in the ground | - | Name of the plant: Areca catechu, Quantity - 48 Nos. |
| 45. Number and list of trees species to be planted in the ground | - | Name of the plant: Roystonea reginae, Quantity - 15 Nos. |


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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

| | | |
|--|---|--|
| 52. Environmental Management plan Budgetary Allocation | b) Operation Phase (with Break-up): 1. Sewage Treatment Plant : Capital cost Rs. In Lacs - 125.11 | b) Operation Phase (with Break-up): 1. Sewage Treatment Plant : Capital cost Rs. In Lacs - 13.28 |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Summorised in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |

SEAC-AGENDA-0000000389

| | | | |
|---|--|----------------------|---|
|  Joy S.Thakur (Secretary SEAC-III) | SEAC Meeting No: 102 Meeting Date: January 24, 2020 | Page 73 of 76 | Name: K ७१६ Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III) |
|---|--|----------------------|---|

PP had submitted application for prior Environmental clearance for total plot area of 84800 m2, FSI area of 78690.64 m2, Non FSI area of 65821.82 m2 and total BUA of 144512.46 m2.

The building configuration of the proposal is as below:

| | | |
|----|-------------------------|-------------------------------|
| 1 | Existing Phase I: - - | |
| 2 | 1 A | P + 7 Floors Height 20.30 m |
| 3 | 1 B | P + 7 Floors Height 20.30 m |
| 4 | 2 A | P + 7 Floors Height 20.30 m |
| 5 | 2 B | P + 7 Floors Height 20.30 m |
| 6 | 3 A | P + 7 Floors Height 20.30 m |
| 7 | 3 B | P + 7 Floors Height 20.30 m |
| 8 | Shops | 3 No Height 4.80 m |
| 9 | Existing Phase II: - - | |
| 10 | 4 A | P + 12 Floors Height 34.80 m |
| 11 | 4 B | P + 12 Floors Height 34.80 m |
| 12 | 4 C | 2P + 12 Floors Height 34.80 m |
| 13 | 4 D | 2P + 12 Floors Height 34.80 m |
| 14 | 5 A | 2P + 12 Floors Height 34.80 m |
| 15 | 5 B | 2P + 12 Floors Height 34.80 m |
| 16 | 5 C | 2P + 12 Floors Height 34.80 m |
| 17 | 6 A | P + 12 Floors Height 34.80 m |
| 18 | 6 B | P + 12 Floors Height 34.80 m |
| 19 | 6 C | P + 12 Floors Height 34.80 m |
| 20 | Existing Phase III: - - | |
| 21 | 7 A | P + 12 Floors Height 34.80 m |
| 22 | 7 B | P + 12 Floors Height 34.80 m |
| 23 | 7 C | P + 11 Floors Height 31.90 m |
| 24 | 7 D | P + 11 Floors Height 31.90 m |
| 25 | 9 A | P + 9 Floors Height 26.10 m |
| 26 | 9 B | P + 12 Floors Height 34.80 m |
| 27 | Proposed Phase III: - - | |
| 28 | 8 A | P + 12 Floors Height 35.40 m |
| 29 | 8 B | P + 12 Floors Height 35.40 m |
| 30 | 8 C | P + 12 Floors Height 35.40 m |

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. PP informed that the total constructed area on site is: 129653.43 m2.

The proposal was considered previously in 65th SEAC-3 meeting, 138th SEIAA meeting and 182nd SEIAA meeting. The minutes of 138th SEIAA meeting are as below:

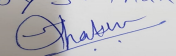
"PP received previous EC from MoEF&CC vide no. 21-500/2006-IA.III dt.02.01.2007 for total built up area of 77672.68 m2. Now PP has applied for expansion for FSI-76448.93 m2, nonFSI-65821.82 m2 and BUA- 142270.75 m2. Proposal was appraised by SEAC-3 in its 65th meeting as category 8 (a) B2, (REVALIDATION) and referred to SEIAA.

Proposal was then considered by SEIAA in its 138th meeting. During the SEIAA meeting, PP claimed that the total built up area of 77672.68 m2 mentioned in the aforesaid previous EC was FSI area only. Authority in its 138th meeting noted that, no explicit mention of FSI area was mentioned in the EC. Hence, Authority asked PP to submit the true copies of Form-2, Form-1A and accompanying documents etc. submitted to MoEF for obtaining EC dt. 02.01.2007. Authority also asked Environment Department to seek clarification/guidance from MoEF&CC whether the total built up area of 77672.68 m2 mentioned in the EC issued by MoEF vide no. 21-500/2006-IA.III dt. 02.01.2007 is only FSI component or otherwise and hence proposal was deferred.

Proposal is now considered in its 182nd meeting and during deliberations authority stated that, as the MoEF guidelines regarding the built up area are clear and there is no need to seek clarification/guidance from MoEF regarding the same. PP has obtained EC for Total BUA of 77672.68 m2 but constructed more than that. But as PP has applied on 31.03.2018 i.e. within the time limit set as per MoEF & CC Notification dated 14/03/2017 and 8/03/2018. Hence, SEIAA decided to refer back the proposal to SEAC-3 for consideration under MoEF & CC Notification dated 14/03/2017 and 8/03/2018."

The proposal is appraised as category 8(a) B2.

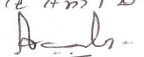
DECISION OF SEAC

Joy S. Thakur


**Joy S.Thakur (Secretary
SEAC-III)**

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Name: K ०७६ ७०५७ २०
Signature: 

**Shri. Anil Kale (Chairman
SEAC-III)**

After deliberation, Committee hereby accords approval to the following Terms of Reference for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) for further discussion and consideration of SEAC:

Terms of Reference for EIA and preparation of Environment Management Plan (EMP) for Violation Cases

1. Project Description

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

2. Base Line Data

10. (B) Baseline environmental study for ambient air (PM₁₀, PM_{2.5}, SO₂, NO₂ & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

3. Traffic Impact Study in detail including:

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions..
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

4. Environmental Impact and Management Plan:

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants conforming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels & calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

5. Environmental Modelling and additional Studies:

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using ICA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection of data and sample analysis shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986 or Environmental Laboratory accredited by NABL, or a laboratory of council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
40. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.
41. (K) Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

6. NOCs, Undertakings and CER:

42. (T) NOC's required: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
43. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
44. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.
45. PP to refer "approach paper for assessment for environmental damage and estimation of remediation costs for building construction projects initiated with obtaining mandatory environmental clearance" available on the portal : "ecmpcb.in".

Specific Conditions by SEAC:

Joy S. Thakur
Thakur

**Joy S. Thakur (Secretary
SEAC-III)**

**SEAC Meeting No: 102 Meeting Date: January
24, 2020**

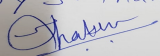
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Name: K 071 Anil D
Signature: Anil D
**Shri. Anil Kale (Chairman
SEAC-III)**

FINAL RECOMMENDATION

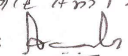
The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-AGENDA-0000000389

Joy S. Thakur

Joy S.Thakur (Secretary
SEAC-III)

**SEAC Meeting No: 102 Meeting Date: January
24, 2020**

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Name: K. Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)