

62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)


SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Residential development at Badlapur

Is a Violation Case: No

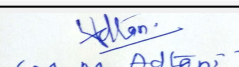
| | |
|--|---|
| 1.Name of Project | Residential development at Badlapur |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | PANVELKAR INFRASTRUCTURES PVT. LTD. |
| 4.Name of Consultant | Ultra-Tech |
| 5.Type of project | Housing project |
| 6.New project/expansion in existing project/modernization/diversification 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 | Plot bearing Gut No. 46/2, 47, 49/4, 49/9, 49/11, 49/12, 49/13, 49/14, 45/2, 50, near MIDC, Village- Mankivali, Badlapur (East) - 421503. |
| 9.Taluka | Badlapur |
| 10.Village | Mankivali |
| Correspondence Name: | Mr. Rahul V. Panvelkar |
| Room Number: | -- |
| Floor: | 1 st floor |
| Building Name: | Nandi Commercial Complex, Shiydham Society |
| Road/Street Name: | Station road |
| Locality: | Ambarnath (East) |
| City: | Ambarnath |
| 11.Area of the project | Kulgaon Badlapur Municipal Corporation (KBMC) |
| 12.IOD/IOA/Concession/Plan Approval Number | Commencement Certificate from K.B.M.C. KBNP/NRV/B.P./ 9605/2017-18 |
| | IOD/IOA/Concession/Plan Approval Number: Commencement Certificate from K.B.M.C. KBNP/NRV/B.P./ 9605/2017-18 |
| | Approved Built-up Area: 39605.73 |
| 13.Note on the initiated work (If applicable) | NA |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | -- |
| 15.Total Plot Area (sq. m.) | 34570.30 Sq. mt. |
| 16.Deductions | 6721.10 Sq. mt. |
| 17.Net Plot area | 27849.20 Sq. mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 33605.73 |
| | b) Non FSI area (sq. m.): 11012.54 |
| | c) Total BUA area (sq. m.): 44618.27 |
| 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) | 2284.38 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 8.20 % |
| 21.Estimated cost of the project | 1365188027 |

22.Number of buildings & its configuration



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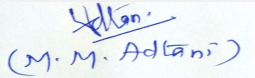

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| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|--|------------------------|-------------------------|---------------------------------|----------------|
| 1 | Building 1 | Stilt + 15 Upper floors | 45.60 mt. (up to terrace level) | |
| 2 | Building 2 | Stilt + 15 Upper floors | 45.60 mt. (up to terrace level) | |
| 3 | Building 3 | Stilt + 16 Upper floors | 48.45 mt. (up to terrace level) | |
| 4 | Building 4 | Stilt + 16 Upper floors | 48.45 mt. (up to terrace level) | |
| 23.Number of tenants and shops | | Total Flats: 901 Nos. | | |
| 24.Number of expected residents / users | | 3808 Nos. | | |
| 25.Tenant density per hectare | | 324/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)) | | 12 mt. 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 | | Minimum 7.5 mt. | | |
| 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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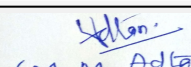

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| Dry season: | Source of water | K.B.M.C. | | | | | | | | |
|---|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| | Fresh water (CMD): | 342 | | | | | | | | |
| | Recycled water - Flushing (CMD): | 173 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 21 | | | | | | | | |
| | Swimming pool make up (Cum): | 1 | | | | | | | | |
| | Total Water Requirement (CMD) : | 537 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 700 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 100 | | | | | | | | |
| | Excess treated water | 208 | | | | | | | | |
| Wet season: | Source of water | K.B.M.C. /RWH | | | | | | | | |
| | Fresh water (CMD): | 342 (From KBMC : 321 + From RWH tank: 21) | | | | | | | | |
| | Recycled water - Flushing (CMD): | 173 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 0 | | | | | | | | |
| | Swimming pool make up (Cum): | 1 | | | | | | | | |
| | Total Water Requirement (CMD) : | 516 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 700 | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 100 | | | | | | | | |
| | Excess treated water | 229 | | | | | | | | |
| Details of Swimming pool (If any) | Swimming pool size: 4.5 mt. X 9 mt. X 1.2 mt. | | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| 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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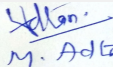
| | | |
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| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 2.0 m to 3.0 m below ground level |
| | Size and no of RWH tank(s) and Quantity: | 4 nos. of RWH tanks of capacity 25 KL each |
| | Location of the RWH tank(s): | Underground |
| | Quantity of recharge pits: | -- |
| | Size of recharge pits : | -- |
| | Budgetary allocation (Capital cost) : | Rs. 22.00 Lacs |
| | Budgetary allocation (O & M cost) : | Rs. 0.72 Lacs/annum |
| | Details of UGT tanks if any : | Domestic UG Tank : 302 KL Flushing UG Tank: 152 KL |
| 35.Storm water drainage | Natural water drainage pattern: | The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD |
| | Quantity of storm water: | 0.84 m3/sec |
| | Size of SWD: | 1.12 m3/sec |
| Sewage and Waste water | Sewage generation in KLD: | 447 |
| | STP technology: | MBBR (Moving Bed Bio Reactor) |
| | Capacity of STP (CMD): | 3 nos. of STPs of capacity 110 KL, 220 KL and 160 KL |
| | Location & area of the STP: | Underground |
| | Budgetary allocation (Capital cost): | Rs. 163.10 Lacs |
| | Budgetary allocation (O & M cost): | Rs. 37.31 Lacs/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated earth shall be partly reused on site and partly disposed to authorized landfill site |
| | Disposal of the construction waste debris: | Construction waste generated during construction activity shall be partly recycled and partly disposed to authorized landfill site |
| Waste generation in the operation Phase: | Dry waste: | 1028 kg/day |
| | Wet waste: | 685 kg/day |
| | Hazardous waste: | Nil |
| | Biomedical waste (If applicable): | Nil |
| | STP Sludge (Dry sludge): | 67 kg/day |
| | Others if any: | Nil |


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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | ? Non-recyclable: To K.B.M.C. ? Recyclable: To recyclers |
| | Wet waste: | Organic Waste Converter (OWC) |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Use as manure |
| | Others if any: | NA |
| Area requirement: | Location(s): | Ground |
| | Area for the storage of waste & other material: | 44 Sq. mt. |
| | Area for machinery: | 24 Sq. mt. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 18.00 Lacs |
| | O & M cost: | Rs. 3.61 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 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 |

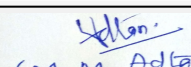
40. Details of Fuel to be used

| 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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|----------------------------------|--|------------------|
| 43.Green Belt Development | Total RG area : | 2937.11 Sq. mt. |
| | No of trees to be cut : | -- |
| | Number of trees to be planted : | 404 Nos. |
| | List of proposed native trees : | As given below |
| | Timeline for completion of plantation : | Before occupancy |

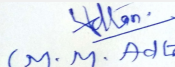
44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-----------------------------|-------------|----------|---|
| 1 | Terminalia mentalis | Indian Xmas | 34 | The tree is harvested from the wild for local use as a medicine and source of dyes and tannins. It can be used in reforestation projects and is a good shade tree |
| 2 | Millingtonia hortensis | Buch | 18 | It grows upto 18 to 25 m high and leaves upto 40 years. It grows well in various soil types. White pleasant fragrant flowers. |
| 3 | Khaya sengalensis | Khaya | 19 | Tree grows upto 15 to 30 m high. It has sweet scented white flower. |
| 4 | Terminalia catappa | Badam | 20 | Terminalia catappa is a large tropical tree in the leadwood tree family, Combretaceae, that grows mainly in the tropical regions of Asia |
| 5 | Cordia dichotoma | Bhokar | 31 | Cordia dichotoma is a small to moderate-sized deciduous tree with a short bole and spreading crown |
| 6 | Caryota mitis/ urens | Surmad | 34 | Caryota mitis has clustered stems up to 10 m (33 feet) tall and 15 cm (6 inches) in diameter. Leaves can be up to 3 m (10 feet) long. Flowers are purple, fruits dark purple or red |
| 7 | Roystonea regia | Royal Palm | 26 | Ornamental tree, timber is used for construction, It has medicinal properties, Fruits are eaten by birds and bats |
| 8 | Areca catechu | Supari | 16 | It is a medium-sized and palm tree, The seed contains alkaloids such as arecaidine and arecoline |
| 9 | Lagerstroemia flos-regineae | Tamhan | 30 | State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used. Helps to control soil erosion |


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|----|-----------------------|-------------------|----|--|
| 10 | Mimusops Elengi | Bakul | 15 | Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine. |
| 11 | Manilkara zapota | Chikku | 14 | Slow-growing, long-lived tree, upright and elegant, distinctly pyramidal when young, growing up to 60 ft (18 m) high |
| 12 | Eugenia Jambolana | Jambhul | 22 | Eugenia jambolana beneficial for cholesterol reduction, blood sugar management, stomach aid, liver protection, anti-cancer action, good for piles |
| 13 | Michelia champaka | Sonchafa | 24 | Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant |
| 14 | Mangifera indica | Mango | 18 | The Mango tree is erect, 30 to 100 ft (roughly 10-30 m) high, with a broad, rounded canopy which may, with age, attain 100 to 125 ft (30-38 m) in width, or a more upright, oval, relatively slender crown |
| 15 | Erythrina Indica | Indian coral tree | 4 | this is a medium-sized, spiny, deciduous tree normally growing to 6-9 m (occasionally 28 m) tall and 60 cm dbh. |
| 16 | Butea monosperma | Palas | 5 | Bright orange-red flowers, it is used for timber, resin, fodder, medicine, and dye, the wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops |
| 17 | Erythrina variegata | Pangara | 2 | It is a drought resistant tree. Flowers are pollinated by birds. |
| 18 | Ancardium occidentale | Cashew | 16 | The tree is large and evergreen. Cashew nuts are commonly used in Indian cuisine, whole for garnishing sweets or curries, or ground into a paste that forms a base of sauces for curries. |
| 19 | Ficus benjamina | Ficus | 25 | In tropical latitudes, the weeping fig makes a very large and stately tree for parks and other urban situations, such as wide roads. It is often cultivated for this purpose. |
| 20 | Saraca indica | Sita Ashok | 4 | Shady evergreen tree with red-yellow flowers. |
| 21 | Plumeria rubra | Gulabi Chafa | 5 | Plumeria rubra is a deciduous plant species belonging to the genus Plumeria. |
| 22 | Plumeria alba | Pandhara Chafa | 10 | This 2-8m evergreen shrub has narrow elongated leaves, large and strongly perfumed white flowers with a yellow center. |

| | | | | |
|----|-------------------|----------------|---|---|
| 23 | Cassia fistula | Bahava | 6 | Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant. |
| 24 | Bauhinia purpurea | Butterfly tree | 6 | Plant is attractive to bees, butterflies and/or birds. |

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 : | Maharashtra State Electricity Distribution Company Ltd. (MSEDCL) |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | As per requirement |
| | During Operation phase (Connected load): | 1998 KW |
| | During Operation phase (Demand load): | 867 KW |
| | Transformer: | 2 nos. of 630 kVA and 750 kVA |
| | DG set as Power back-up during operation phase: | 2 nos. of D.G. Sets of capacity 125 kVA and 150 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48.Energy saving by non-conventional method:


- ? Use of LED lights for ground floor area
- ? Use of VFD for lifts & star rated motors
- ? External Lights on Solar
- ? Staircase & Lobby Lighting Load on Solar

49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Overall Energy Saving | 10 % |

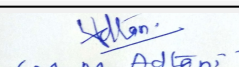
50.Details of pollution control Systems

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


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| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 23.50 Lacs (Solar System) |
| | O & M cost: | Rs. 0.24 Lacs/annum (Solar system) |


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 | Dust suppression | 7.20 |
| 2 | Air Environment | Air and Noise quality - By outside MoEF & CC Approved Laboratory | 1.10 |
| 3 | Air Environment | Air and Noise quality - Sensors for Air quality & Noise level monitoring | 12.50 |
| 4 | Water Environment | Drinking water analysis | 0.15 |
| 5 | Land Environment | Site Sanitation | 5.00 |
| 6 | Health & Hygiene | Disinfection- Pest Control | 6.00 |
| 7 | Health & Hygiene | Health-check-up of workers | 13.50 |
| 8 | Cost towards Disaster Management | -- | 6.50 |

b) Operation Phase (with Break-up):

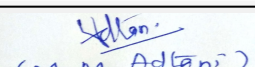
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-------------------------|---|---|---|
| 1 | AIR & NOISE ENVIRONMENT | Cost for Ambient Air quality & Noise Monitoring -By outside MoEF & CC Approved Laboratory | No set up cost is involved | 0.22 |
| 2 | AIR & NOISE ENVIRONMENT | Cost for Ambient Air quality & Noise Monitoring - On site sensors | No set up cost is involved as already considered Construction Phase | 0.50 |
| 3 | AIR & NOISE ENVIRONMENT | Cost for DG Stack Exhaust Monitoring - | No set up cost is involved | 0.10 |
| 4 | AIR & NOISE ENVIRONMENT | Cost for Plantation | 16.15 | 1.20 |
| 5 | WATER ENVIRONMENT | Cost for Sewage Treatment Plants | 109.10 | 34.26 |
| 6 | WATER ENVIRONMENT | Cost for water & waste water Monitoring - On site sensors | 54.00 | 3.00 |
| 7 | WATER ENVIRONMENT | Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory | No set up cost is involved | 0.08 |


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| 8 | WATER ENVIRONMENT | Cost for Water Conservation (Rain Water Harvesting System): Cost for RWH tanks | 10.00 | 0.50 |
| 9 | WATER ENVIRONMENT | Cost for treatment unit for Rain Water collected in tanks | 12.00 | 0.04 |
| 10 | WATER ENVIRONMENT | Cost for Rainwater Monitoring | No set up cost is involved | 0.09 |
| 11 | LAND ENVIRONMENT | Cost for Treatment of biodegradable garbage in OWC | 18.00 | 3.45 |
| 12 | LAND ENVIRONMENT | Cost for monitoring of OWC manure | No set up cost is involved | 0.16 |
| 13 | ENERGY CONSERVATION | Solar system | 23.50 | 0.24 |
| 14 | DISASTER MANAGEMENT | Cost towards Disaster Management | 156.00 | 5.00 |

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

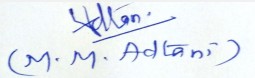
53.Traffic Management

| | |
|---|--------------------------|
| Nos. of the junction to the main road & design of confluence: | 2 nos. of entry and exit |
|---|--------------------------|



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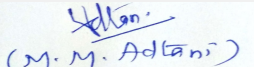

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| | | |
|---|---|-------------------|
| Parking details: | Number and area of basement: | Nil |
| | Number and area of podia: | Nil |
| | Total Parking area: | -- |
| | Area per car: | As per NBC |
| | Area per car: | As per NBC |
| | Number of 2-Wheelers as approved by competent authority: | 1228 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | 19 Nos. |
| | Public Transport: | Nil |
| | Width of all Internal roads (m): | Minimum 6 mt. |
| | 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 |
| | Court cases pending if any | NA |
| | Other Relevant Informations | -- |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 17-09-2016 |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Summorisred in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |


 (Dr. B. N. Patil)
 Member Secretary
 SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

SEAC Meeting No: 62nd (Part - C) Meeting
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 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

Application for environment clearance for Residential development at Plot bearing Gut No. 46/2, 47, 49/4, 49/9, 49/11, 49/12, 49/13, 49/14, 45/2, 50, near MIDC, Village- Mankivali, Badlapur (East) by PANVELKAR INFRASTRUCTURES PVT. LTD

PP submitted their application for prior Environmental clearance for total plot area of 34570.30 Sq. Meters., Total BUA of 44618.27 Sq. Mtrs. and FSI area of 33605.73 Sq. Mtrs. It is proposed to construct Residential and Commercial buildings having maximum heights of 48.45 meters.

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


After deliberation, committee decided to defer the proposal for compliance of above points.

Specific Conditions by SEAC:

- 1) 1. PP to submit detailed DP remarks.
- 2) 2. PP to shift STP and OWC Locations.
- 3) 3. PP to submit revise fire tender movement plan with dimensions, i.e. Width & turning radius.
- 4) PP to submit details of Ventilation analysis (Natural ventilation).
- 5) PP to submit design basic of the buildings.
- 6) PP to avoid parking around the open space and on drive way.
- 7) PP to ensure separate funds for each STP (3 in nos.)
- 8) PP to ensure corpus funds for 7 years.
- 9) PP to submit revised layout plan ensuring internal road connectivity.
- 10) PP to submit nalha details.
- 11) PP to ensure no parking around the building.

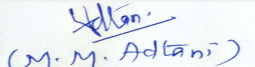
FINAL RECOMMENDATION

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


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

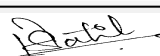
62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Proposed Residential cum commercial Project

Is a Violation Case: No

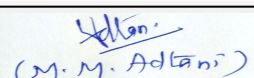
| | |
|---|---|
| 1.Name of Project | Proposed Residential cum commercial Project |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | A surti Developers Pvt Ltd |
| 4.Name of Consultant | M/s. Enviro Analysts & Engineers Pvt. Ltd. |
| 5.Type of project | Residential cum Commercial Project |
| 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 | Plot bearing CTS No. 288 B, village Bandivali, Oshiwara |
| 9.Taluka | Andheri |
| 10.Village | Bandivali |
| Correspondence Name: | A surti Developers Pvt Ltd |
| Room Number: | CTS No.288 |
| Floor: | - |
| Building Name: | - |
| Road/Street Name: | - |
| Locality: | Amrut Nagar,Bandivali Village, Jogeshwari (W) |
| City: | Mumbai 400102 |
| 11.Area of the project | Mumbai Metropolitan Region Development Authority (MMRDA) |
| 12.IOD/IOA/Concession/Plan Approval Number | MMRDA Principle Approval Under No. TCP (P-2)/ODC/CC/3.136/II/1957/2016 Dated 06/12/2016 |
| | IOD/IOA/Concession/Plan Approval Number: MMRDA Principle Approval Under No. TCP (P-2)/ODC/CC/3.136/II/1957/2016 Dated 06/12/2016 |
| | Approved Built-up Area: 43150.86 |
| 13.Note on the initiated work (If applicable) | In the plot area of 7176.91 sq.m The work of construction of Building 1 with the configuration St + P + 22 floors as approved by local planning Authority i.e. MMRDA for the FSI area of 9207.64 sq.m as per the FSI potential prevailing at the time of approval & Non FSI area 8770.20 sq.m (Total construction area = 17977.84 sq.m) was commenced and completed as per the CC dtd 16th February 2010. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Principle approval from MMRDA. |
| 15.Total Plot Area (sq. m.) | 7176.91 |
| 16.Deductions | 1301.58 |
| 17.Net Plot area | 5875.33 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 22650.20 |
| | b) Non FSI area (sq. m.): 20500.66 |
| | c) Total BUA area (sq. m.): 43150.86 |
| 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) | 369.26 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 6.28 % |
| 21.Estimated cost of the project | 1150000000 |


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)

DR. B.N.Patil (Secretary SEAC-II)


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(M. M. Adtani)

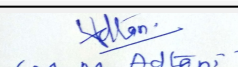
Shri M.M.Adtani (Chairman SEAC-II)

| 22.Number of buildings & its configuration | | | | |
|--|-----------------------------------|---|--------------------------------------|---------------------|
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
| 1 | Building 1 | St. + P + 22 floors | 69.85 | |
| 2 | Building 2 Wing A | 2B + Gr (pt) + 1st to 4th commercial (pt) + 5th to 18th floors | 62.40 | |
| 3 | Building 2 Wing B | 2B + Gr (pt) + 1st to 4th commercial (pt) + 5th to 18th floors | 62.40 | |
| 4 | Building 2 Wing C | 2B + Gr (pt) + 1st to 4th commercial (pt) + 5th to 18th floors | 62.40 | |
| 23.Number of tenants and shops | | Existing Building 128 nos. Proposed building: 138 nos | | |
| 24.Number of expected residents / users | | Existing Building 640 nos. , Proposed building Residential 690 nos. & Commercial 145 nos. | | |
| 25.Tenant density per hectare | | 478 tenants/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)) | | 25.00 m wide D.P Road & 13.40 m wide existing D P Road | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | | Proposed building abutting on two roads | | |
| 29.Existing structure (s) if any | | Building 1 | | |
| 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 | | | | |



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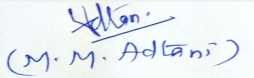

 (M. M. Adtani)
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| Dry season: | Source of water | MCGM STP Treated water | | | | | | | | |
|---|--|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| | Fresh water (CMD): | 70KLD | | | | | | | | |
| | Recycled water - Flushing (CMD): | 43 KLD | | | | | | | | |
| | Recycled water - Gardening (CMD): | 8 KLD | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 121 KLD | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 150 cum | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 40 cum | | | | | | | | |
| | Excess treated water | 38 KLD | | | | | | | | |
| Wet season: | Source of water | MCGM I RWHI STP Treated water | | | | | | | | |
| | Fresh water (CMD): | 70KLD | | | | | | | | |
| | Recycled water - Flushing (CMD): | 43KLD | | | | | | | | |
| | Recycled water - Gardening (CMD): | 0 | | | | | | | | |
| | Swimming pool make up (Cum): | NA | | | | | | | | |
| | Total Water Requirement (CMD) : | 113 KLD | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 150 cum | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 40 cum | | | | | | | | |
| | Excess treated water | 46 KLD | | | | | | | | |
| Details of Swimming pool (If any) | NA | | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | 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: | 2 meters |
| | Size and no of RWH tank(s) and Quantity: | 1 no. of tanks of total capacity 22 KLD |
| | Location of the RWH tank(s): | Below ground level |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | Rs. 3.3 Lakh |
| | Budgetary allocation (O & M cost) : | Rs. 0.33 Lakh/year |
| | Details of UGT tanks if any : | Below ground level |
| 35.Storm water drainage | Natural water drainage pattern: | Towards east |
| | Quantity of storm water: | 0.4 m/sec |
| | Size of SWD: | [(f 50) 1m wide channel] |
| Sewage and Waste water | Sewage generation in KLD: | 99KLD |
| | STP technology: | MBBR Technology |
| | Capacity of STP (CMD): | Capacity 103 KLD |
| | Location & area of the STP: | Below Ground level |
| | Budgetary allocation (Capital cost): | Rs. 25 Lakh |
| | Budgetary allocation (O & M cost): | Rs. 1.5 Lakh/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority |
| | Disposal of the construction waste debris: | Will be used for Landscaping |
| Waste generation in the operation Phase: | Dry waste: | 109 Kg/Day |
| | Wet waste: | 255 Kg/Day |
| | Hazardous waste: | Not applicable |
| | Biomedical waste (If applicable): | Not applicable |
| | STP Sludge (Dry sludge): | 5 kg/day |
| | Others if any: | NA |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Will be hand over to Local Recyclers for recycling |
| | Wet waste: | Will be processed in the owe. manure obtained shall be used for landscaping I Gardening , Excess manure shall be sold to nearby end users |
| | Hazardous waste: | Not applicable |
| | Biomedical waste (If applicable): | Not applicable |
| | STP Sludge (Dry sludge): | To be used as manure |
| | Others if any: | NA |
| Area requirement: | Location(s): | Ground level |
| | Area for the storage of waste & other material: | Total Area 32 sq.m |
| | Area for machinery: | Total Area 32 sq.m |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 9.4 Lakhs |
| | O & M cost: | Rs. 1.88 Lakh/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

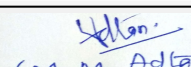
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

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


 (Dr. B. N. Patil)
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DR. B.N.Patil (Secretary SEAC-II)

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 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

| 42.Mode of Transportation of fuel to site | | Not applicable | | |
|--|--|----------------------------------|----------|---|
| 43.Green Belt Development | Total RG area : | 1507.35 Sq.mt | | |
| | No of trees to be cut : | - | | |
| | Number of trees to be planted : | 75 | | |
| | List of proposed native trees : | As listed below | | |
| | Timeline for completion of plantation : | At the end of construction 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 | Azadirachta indica | Neem | 8 | Medicinal tree |
| 2 | Saraca asoca | Sita Ashok | 6 | Evergreen Tree |
| 3 | Pongamia pinnata | Karanj | 6 | Flowering plant |
| 4 | Ficus retusa | Nandruk | 3 | Evergreen Tree |
| 5 | Cassia fistula | Bahava | 8 | Flowering plant |
| 6 | Nyctanthes arbortristis | Parijatak | 7 | Flowering plant |
| 7 | Bauhinia racemosa | Apta | 8 | Evergreen tree |
| 8 | Anthocephalus cadamba | Kadamb | 7 | Evergreen tree |
| 9 | Mimusops elengi | Bakul | 8 | Evergreen tree |
| 10 | Michelia champaca | Son Chafa | 5 | Flowering plant |
| 11 | Putranjiva roxburghii | Putranjiva | 9 | Evergreen 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 : | Reliance |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | 50 KVA |
| | During Operation phase (Connected load): | 2859 KW |
| | During Operation phase (Demand load): | 1161 KW |
| | Transformer: | 1250 KVA |
| | DG set as Power back-up during operation phase: | 1 X 380 KVA |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Landscape Lighting with LED Lamps
Solar Water Heating System

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Total Energy Savings | 23% |

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: | Rs. 124 Lakh |
| | O & M cost: | Rs. 24.8 Lakh/year |

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

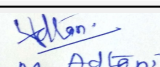
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|--------------------------|----------------------------|------------------------------------|
| 1 | Air | Water for Dust Suppression | 2.00 |
| 2 | EHS | Site Sanitation | 2.00 |
| 3 | Environmental Monitoring | Environmental Monitoring | 6.00 |
| 4 | EHS | Disinfection | 1.50 |
| 5 | EHS | Health Check Up | 1.50 |

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 | Water Environment | STP | 25 | 1.5 |
| 2 | Water Environment | RWH | 3.3 | 0.33 |
| 3 | Solid waste Management | OWC | 9.4 | 1.88 |
| 4 | Land Environment | Landscape | 37.6 | 7.5 |

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

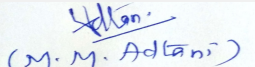
53.Traffic Management

| | | |
|----------------------------------|---|-----------------------|
| | Nos. of the junction to the main road & design of confluence: | Entries & Exit: 3 Nos |
| Parking details: | Number and area of basement: | 3292.02 sq.m |
| | Number and area of podia: | 2964.32 sq.m |
| | Total Parking area: | . |
| | Area per car: | 28 sq.m |
| | Area per car: | 28 sq.m |
| | Number of 2-Wheelers as approved by competent authority: | Nil |
| | Number of 4-Wheelers as approved by competent authority: | 294 nos |
| | Public Transport: | Nil |
| Width of all Internal roads (m): | 6 m wide | |
| | CRZ/ RRZ clearance obtain, if any: | Not Applicable |


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| | | |
|--|--|---------------------------------------|
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Sanjay Gandhi National Park (0.85 km) |
| | Category as per schedule of EIA Notification sheet | 8 (b) |
| | Court cases pending if any | No |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 01-02-2018 |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.


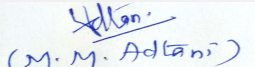
Brief information of the project by SEAC

Environment Clearance for Proposed Residential cum commercial Project at Plot bearing CTS No. 288 B, village Bandivali, Oshiwara by Surti Developers Pvt Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 7176.91 Sq. Meters., Total BUA of 43150.86 Sq. Mtrs. and FSI area of 22650.20 Sq. Mtrs. It is proposed to construct Residential and Commercial buildings having maximum heights of 69.85 meters.

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

| | | | |
|---|---|--------------------------|---|
|  <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 21 of 70 |  <small>(M. M. Adtani)</small> Shri M.M.Adtani (Chairman SEAC-II) |
|---|---|--------------------------|---|

During discussion committee noted that PP not considered the existing building details and it's environmental parameter, also there is a discrepancy between the online submission and data presented during meeting hence committee ask accredited consultant to submit explanation for the same.

All environmental parameter and details are not found satisfactory hence committee suggest PP to submit a fresh consolidated statement or new proposal considering existing building details, total ground coverage, FSI and non-FSI area, STP details , energy saving plan.


After deliberation, committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

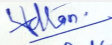
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000103


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)


SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Amendment in Environment Clearance for Proposed Residential development at Jogeshwari

Is a Violation Case: No

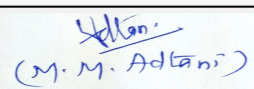
| | |
|--|--|
| 1.Name of Project | Residential development |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Bellissimo Land Dwellers Ltd. |
| 4.Name of Consultant | M/s. Ultra-Tech |
| 5.Type of project | Residential Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Amendment in EC |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Amendment in EC |
| 8.Location of the project | CTS No. 216 A, 216 B & 216 C, At Village- Bandivali, Patel Estate road, Jogeshwari (W), Mumbai 400 102 |
| 9.Taluka | Jogeshwaari |
| 10.Village | Bandivali |
| Correspondence Name: | Mr. Atul Jangam |
| Room Number: | 412 |
| Floor: | 4 Floor |
| Building Name: | 17G Vardhaman Chamber |
| Road/Street Name: | Cawasji Patel Road |
| Locality: | Horniman Circle, Fort |
| City: | Mumbai |
| 11.Area of the project | Municipal Corporation of Greater Mumbai (MCGM) |
| 12.IOD/IOA/Concession/Plan Approval Number | Concession document is in process with MCGM IOD/IOA/Concession/Plan Approval Number: Concession document is in process with MCGM Approved Built-up Area: |
| 13.Note on the initiated work (If applicable) | 49,636.63 Sq.mt |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Concession document is in process with MCGM |
| 15.Total Plot Area (sq. m.) | 22,051.80 Sq.mt. |
| 16.Deductions | 3,218.51 Sq.mt. |
| 17.Net Plot area | 18,833.29 Sq.mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 62,993.35 Sq. mt. (Including Fungible Area) b) Non FSI area (sq. m.): 49,955.06 Sq.mt. c) Total BUA area (sq. m.): 112948.41 |
| 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) | 4,463.30 Sq.mt. |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 24% |
| 21.Estimated cost of the project | 1640000000 |

22.Number of buildings & its configuration



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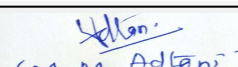

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| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|--|---|---|-------------------------------|
| 1 | Tower A | 1st & 2nd Basement Floor + Ground Floor + 1st to 20th Residential Floor | 66.80 |
| 2 | Tower B | 1st & 2nd Basement Floor + Ground Floor + 1st to 20th Residential Floor | 66.80 |
| 3 | Tower C | 1st & 2nd Basement Floor + Ground Floor + 1st to 20th + 21st (pt) Residential Floor | 69.95 |
| 4 | Tower D | 1st & 2nd Basement Floor + Ground Floor + 1st to 21th Residential Floor | 69.95 |
| 5 | Tower E | 1st & 2nd Basement Floor + Ground Floor + 1st to 20th Residential Floor | 66.80 |
| 6 | Tower F | 1st & 2nd Basement Floor + Ground Floor + 1st to 20th Residential Floor | 66.80 |
| 7 | Tower G | 1st & 2nd Basement Floor + Ground Floor + 1st to 21st + 22nd (Pt) Residential Floor | 69.90 |
| 8 | Retail Commercial | Ground Floor | 4.20 |
| 9 | Club House | Ground + 1 floor | 8.00 |
| 23.Number of tenants and shops | Flats: 791 | | |
| 24.Number of expected residents / users | ~ 4,089 | | |
| 25.Tenant density per hectare | 416/ hectore | | |
| 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 18.30 M wide Patel Estate Road & 12.20 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 | Fire tender movement of 6m and turning radius 9m. | | |
| 29.Existing structure (s) if any | There was an office building on the site which had been demolished by Patel Engineering Ltd. As per the earlier EC received construction of commercial building was started with 2 basements and 5 part floors of one building which will be demolished as there is now change in use from commercial to residential. | | |
| 30.Details of the demolition with disposal (If applicable) | Demolition debris will be partly reused / recycled and remaining shall be disposed to Authorized landfill site. | | |
| 31.Production Details | | | |


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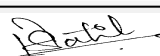
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------|-----------------|-----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

32.Total Water Requirement

| | | |
|-----------------------------------|--|---------|
| Dry season: | Source of water | MCGM |
| | Fresh water (CMD): | 391 KLD |
| | Recycled water - Flushing (CMD): | 184 KLD |
| | Recycled water - Gardening (CMD): | 35 KLD |
| | Swimming pool make up (Cum): | 24 KLD |
| | Total Water Requirement (CMD) : | 610 KLD |
| | Fire fighting - Underground water tank(CMD): | 600 KL |
| | Fire fighting - Overhead water tank(CMD): | 70 KL |
| | Excess treated water | 211 KLD |
| Wet season: | Source of water | MCGM |
| | Fresh water (CMD): | 391 KLD |
| | Recycled water - Flushing (CMD): | 184 KLD |
| | Recycled water - Gardening (CMD): | 35 KLD |
| | Swimming pool make up (Cum): | 24 KLD |
| | Total Water Requirement (CMD) : | 575 KLD |
| | Fire fighting - Underground water tank(CMD): | 600 KL |
| | Fire fighting - Overhead water tank(CMD): | 70 KL |
| | Excess treated water | 246 KLD |
| Details of Swimming pool (If any) | As mentioned above | |

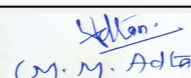
33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 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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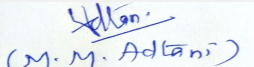
| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 8 m - 9 m below ground level |
| | Size and no of RWH tank(s) and Quantity: | Nil |
| | Location of the RWH tank(s): | NA |
| | Quantity of recharge pits: | Provision of 11 Nos. of recharge pits |
| | Size of recharge pits : | Each pit having size of 3 m X 3 m X 4 m |
| | Budgetary allocation (Capital cost) : | Rs. 38.00 Lacs |
| | Budgetary allocation (O & M cost) : | Rs. 0.66 Lacs/annum |
| | Details of UGT tanks if any : | Location(s) of the UG tank(s): 1st & 2nd Basement |
| 35.Storm water drainage | Natural water drainage pattern: | The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD. |
| | Quantity of storm water: | 0.56 m3/sec |
| | Size of SWD: | Width 600 mm and max depth is 800 mm |
| Sewage and Waste water | Sewage generation in KLD: | 478 KLD |
| | STP technology: | Moving Bed Bio Reactor (MBBR) |
| | Capacity of STP (CMD): | 1 STP of 485 KL capacity |
| | Location & area of the STP: | 1st & 2nd Basement |
| | Budgetary allocation (Capital cost): | Rs. 92.75 Lacs |
| | Budgetary allocation (O & M cost): | Rs. 18.47 Lacs/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Demolition debris shall be partly reused / recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M. |
| | Disposal of the construction waste debris: | Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M. |
| Waste generation in the operation Phase: | Dry waste: | 1103 |
| | Wet waste: | 735 |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 72 |
| | Others if any: | NA |


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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | To recyclers |
| | Wet waste: | Composting in organic waste convertor |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Use as manure |
| | Others if any: | NA |
| Area requirement: | Location(s): | Ground floor |
| | Area for the storage of waste & other material: | 51 Sq. mt. |
| | Area for machinery: | 12 Sq. mt. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 9.00 Lacs (Cost for treatment of biodegradable garbage by Organic Waste Convertor) |
| | O & M cost: | Rs. 2.99 Lacs/annum (Cost for treatment of biodegradable garbage by Organic Waste Convertor) |

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

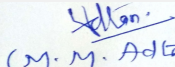
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

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



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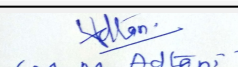

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| 42.Mode of Transportation of fuel to site | | Not applicable | | |
|--|--|-----------------------|----------|--|
| 43.Green Belt Development | Total RG area : | 4972.08 | | |
| | No of trees to be cut : | 0 | | |
| | Number of trees to be planted : | 481 | | |
| | List of proposed native trees : | Mention below | | |
| | Timeline for completion of plantation : | Before occupancy | | |
| 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 | Saptaparni | Alstonia scholaris | 37 | Evergreen Shady Tree with fragrant flowers, Medicinal properties, white fragrant flowers |
| 2 | Samudraphal | Barringtonia asiatica | 37 | An evergreen tree used for medicinal uses, including antitumor (seed extract), antibiotic, inhibition of growth of Helicobacter pylori, antinociceptive activity and antifungal activity. |
| 3 | Indian Almond | Bucida molineti | 37 | It is a large deciduous stately tree, originally from India, growing up to 90 feet tall with horizontal whorls of branches offering clusters of foot long, obviate leaves that turn pink-red to red - yellow before falling. |
| 4 | Nilgiri | Eucalyptus citriodora | 37 | Evergreen tree grows upto 60 m Its flowers attracts insects, birds & bats All parts of its used to prepare dyes. Its wood is used to prepare musical instruments. Possess medicinal properties |
| 5 | Ironwood/Tembusu | Fagraea fragrans | 37 | The wood may also be used for flooring, fancy furniture, and handgun grips. Its wood is often used for making fingerboards for electric basses and guitars. The Leopard tree grows up to 15m, forming a broad, flat-topped crown. Posses medicinal properties. |
| 6 | Nandaruk | Ficus benamina | 37 | The tree is an evergreen tree, native to south and southeast Asia. In its native range, its small fruit are a favorite food of some birds. Wood is often used conventionally for carpentry, interior trim, and construction |


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| | | | | |
|----|------------------|-----------------------|----|--|
| 7 | Kokam | Garcinia indica | 37 | Kokum is a tree with a dense canopy of green leaves and red-tinged tender emerging leaves It is indigenous to the Western Ghats region of India The tree is a source of kokam butter which is used in cosmetics and confectionary |
| 8 | Son chafa | Michelia champaca | 37 | Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant |
| 9 | African Mahogany | Khaya senegalensis | 37 | African mahogany is a medium-sized tree. The white flowers are sweet-scented; the fruit changes from grey to black when ripening. Wood is often used conventionally for carpentry, interior trim, and construction. The bitter tasting bark is used for a variety of medical purposes. |
| 10 | Karanj | Pongamia pinnata | 37 | It has large canopy which spreads equally wide. It has potential to grow in salt water soil, drought-tolerant. Their root maintains the nitrogen content of soil. |
| 11 | Ashok | Polyalthia longifolia | 37 | It is a lofty evergreen tree. It is commonly planted due to its effectiveness in alleviating noise pollution. The leaves are larval food plant of the kite swallowtails. The leaves are use for ornamental decoration and are used in festivals. |
| 12 | Jamun | Syzygium cumini | 37 | It is an evergreen tropical tree in the flowering plant. A slow growing species, it can reach heights of up to 30 m and can live more than 100 years. Its dense foliage provides shade and is grown just for its ornamental value. Its wood is commercially used. & also posses medicinal properties. Its fruits are edible and possess medicinal properties. The seeds are used in tisanes for diabetes |
| 13 | Mahogany | Swietenia mahogany | 37 | Mahogany is a large deciduous, shade tree. Wood is often used conventionally for carpentry, interior trim, and construction. |

45.Total quantity of plants on ground

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

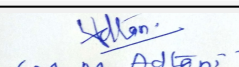
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1 | NA | NA | NA |

47.Energy


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| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | Reliance |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | As per requirement |
| | During Operation phase (Connected load): | 5732 |
| | During Operation phase (Demand load): | 2576 |
| | Transformer: | -- |
| | DG set as Power back-up during operation phase: | For emergency back up during power failure 1 DG set of 1250 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

1. Use of Solar energy for water heating.
2. Use of CFL, T5, LED Lighting.
3. Use of energy efficient pumps, motors and use of drives

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Overall Saving | 25% |

50. Details of pollution control Systems

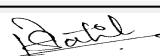
| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|------------------------|--------------------------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 140 Lacs (Solar system) |
| | O & M cost: | Rs. 1.25 Lacs / annum (Solar system) |

51. Environmental Management plan Budgetary Allocation

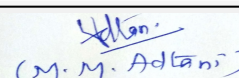
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-----------------|---|------------------------------------|
| 1 | Air Environment | Dust Suppression | 5.40 |
| 2 | Air Environment | Air & Noise Monitoring -By outside MOEF Approved Laboratory | 1.10 |
| 3 | Air Environment | Air & Noise Monitoring - Sensors for Air and Noise quality monitoring | 12.50 |


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| | | | |
|---|----------------------------------|-----------------------------|-------|
| 4 | Water Environment | Drinking water analysis | 0.15 |
| 5 | Land Environment | Site Sanitation | 5.00 |
| 6 | Health & hygiene | Disinfection - pest control | 6.00 |
| 7 | Health & hygiene | Health checkup of workers | 22.5 |
| 8 | Cost towards Disaster management | Disaster Management Cost | 45.00 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---|--|----------------------------|---|
| 1 | Cost for plantation | 4972.08 Sq. mt. of RG area | 27.35 | 1.20 |
| 2 | Cost for Ambient air & Noise Monitoring | -- | No set up cost is involved | 0.22 |
| 3 | Cost for DG Stack Exhaust Monitoring | -- | No set up cost is involved | 0.05 |
| 4 | Cost for Waste water Monitoring | Cost for Sewage Treatment Plant | 74.75 | 17.45 |
| 5 | Cost for Waste water Monitoring | On site sensors | 18.00 | 1.00 |
| 6 | Cost for Waste water Monitoring | By outside MOEF Approved Laboratory | No set up cost is involved | 0.03 |
| 7 | Water Conservation (Rain Water Harvesting System) | Cost for recharge pits | 38.00 | 0.66 |
| 8 | Solid Waste Management | Cost for Treatment of biodegradable garbage in OWC | 9.00 | 2.99 |
| 9 | Solid Waste Management | Cost for monitoring of organic manure | No set up cost is involved | 0.08 |
| 10 | Use of renewable energy | Solar system | 140.00 | 1.40 |
| 11 | Cost towards Disaster management | -- | 255.00 | 5.10 |


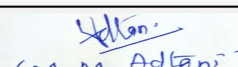
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| 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


| | | | |
|--|---|--------------------------------|--|
|  (Dr. B. N. Patil) Member Secretary SEAC (MMR) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 31 of 70 |  (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II) |
|--|---|--------------------------------|--|

| | | |
|-------------------------|--|----------------------|
| | Nos. of the junction to the main road & design of confluence: | Two entry & two exit |
| Parking details: | Number and area of basement: | 2 Basements |
| | Number and area of podia: | Nil |
| | Total Parking area: | 31631.95 Sq.mt. |
| | Area per car: | As per NBC |
| | Area per car: | As per NBC |
| | Number of 2-Wheelers as approved by competent authority: | 110 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | 1096 Nos. |
| | Public Transport: | Nil |
| | Width of all Internal roads (m): | minimum 6.00mt. |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | -- |
| | Category as per schedule of EIA Notification sheet | Category 8(B2) |
| | Court cases pending if any | -- |
| | Other Relevant Informations | -- |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 21-02-2018 |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

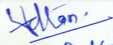
Summorisred in brief information of Project as below.

Brief information of the project by SEAC


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Amendment in Environment Clearance dated 26.3.2018 for residential and commercial development at CTS No. 216 A, 216 B & 216 C, At Village- Bandivali, Patel Estate road, Jogeshwari (W), Mumbai by M/s. Bellissimo Land Dwellers Ltd.

PP submitted their application for amendment in Environment Clearance for total plot area of 22051.80 Sq. Meters., Total BUA of 1,12,948.41

Sq. Mtrs. and FSI area of 62,993.35 Sq. Mtrs. It is proposed to construct 7 buildings having maximum heights of 69.95 mtrs.

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. PP informed that they have obtained full potential sanction.

DECISION OF SEAC


After deliberation, SEAC decided to recommend the proposal for prior EC, subject to PP complying with above conditions.

Specific Conditions by SEAC:

- 1) PP to ensure nala top should not be covered after increasing its width.
- 2) PP to keep RG area as per requirement in existing laws.
- 3) PP to ensure refuge area as per National Buildings Norms.

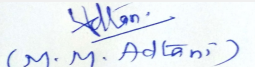
FINAL RECOMMENDATION

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


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**Shri M.M.Adtani (Chairman
SEAC-II)**

62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)

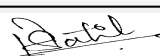
SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Proposed construction of Residential Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai - 400092.

Is a Violation Case: No

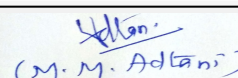
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|--|---|
| 1.Name of Project | Proposed construction of Residential Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai - 400092. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Devkrupa Developers |
| 4.Name of Consultant | AQURA Enviro Projects Private Limited |
| 5.Type of project | Housing 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 | C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai - 400092. |
| 9.Taluka | Borivali |
| 10.Village | Borivali |
| Correspondence Name: | Kamlesh D Gangar |
| Room Number: | -- |
| Floor: | Ground Floor |
| Building Name: | Sai - Sadan |
| Road/Street Name: | Roshan Nagar, Off. Chandavarkar Lane |
| Locality: | Borivali (West) |
| City: | Mumbai 400092 |
| 11.Area of the project | Municipal Corporation of Greater Mumbai (MCGM) |
| 12.IOD/IOA/Concession/Plan Approval Number | Concession Report CHE/A-4262/BP/WS/AR dated 14.05.2012 IOD/IOA/Concession/Plan Approval Number: Amended Plan CHE/A-4262/BP(WS)/AR dated 30.03.2017 Approved Built-up Area: 11010.45 |
| 13.Note on the initiated work (If applicable) | Construction area on site: 15268.68Sq. M. Building Configuration: GROUND + P1 TO P3 + 22 FLOORS |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Not Applicable |
| 15.Total Plot Area (sq. m.) | 5778.40 Sq. M. |
| 16.Deductions | 322.60 Sq. M. |
| 17.Net Plot area | 5455.80 Sq. M. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 18547.50 b) Non FSI area (sq. m.): 21015.53 c) Total BUA area (sq. m.): 39563.03 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 11010.45 Approved Non FSI area (sq. m.): 14290.64 Date of Approval: 30-03-2017 |
| 19.Total ground coverage (m2) | 2901.13 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 50 |
| 21.Estimated cost of the project | 21500000 |

22.Number of buildings & its configuration



(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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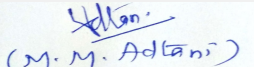

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SEAC-II)**

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|--|--|---|-------------------------------|----------------|
| 1 | Wing A: Commercial | Ground + 1st To 3rd Podium | -- | |
| 2 | Wing A: Residential | 4th.Podium / 1st Floor + 2nd To 17th .Floors | 69.35 | |
| 3 | Wing B: Residential | Ground + 1st To 4th Podium + 2nd To 31st Floors | 128.15 | |
| 4 | Wing C: Residential Bungalow | Ground + 1 floor | 7.00 | |
| 23.Number of tenants and shops | Wing A: Residential:65; Commercial: 11 Wing B: Residential: 60 Wing C: Residential (Bungalow): 1 Total: 137 Units | | | |
| 24.Number of expected residents / users | Wing A: Residential: 260 ; Commercial: 278 Wing B: Residential: 352 Wing C: Residential (Bungalow): 5 Total: 895 | | | |
| 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)) | 27.45 m wide Road on South | | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Min 7.00 m | | | |
| 29.Existing structure (s) if any | There is an existing Bungalow on site which will be demolished in near future. | | | |
| 30.Details of the demolition with disposal (If applicable) | There is an existing Bungalow on site which will be demolished in near future by taking prior permission from local authority. | | | |
| 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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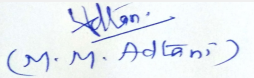

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**Shri M.M.Adtani (Chairman
SEAC-II)**

| Dry season: | Source of water | MCGM | | | | | | | |
|---|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 58.33 | | | | | | | |
| | Recycled water - Flushing (CMD): | 31.25 | | | | | | | |
| | Recycled water - Gardening (CMD): | 9 | | | | | | | |
| | Swimming pool make up (Cum): | 00 | | | | | | | |
| | Total Water Requirement (CMD) : | 98.58 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 cum | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 cum | | | | | | | |
| | Excess treated water | 36 | | | | | | | |
| Wet season: | Source of water | MCGM | | | | | | | |
| | Fresh water (CMD): | 18.33+40 (RWH) | | | | | | | |
| | Recycled water - Flushing (CMD): | 31.25 | | | | | | | |
| | Recycled water - Gardening (CMD): | 00 | | | | | | | |
| | Swimming pool make up (Cum): | 00 | | | | | | | |
| | Total Water Requirement (CMD) : | 98.58 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 200 cum | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 20 cum | | | | | | | |
| | Excess treated water | 45 | | | | | | | |
| Details of Swimming pool (If any) | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |


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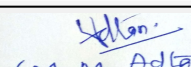
| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 4 to 5 meters below ground |
| | Size and no of RWH tank(s) and Quantity: | 1 RWH Tank of 40 CUM |
| | Location of the RWH tank(s): | Below Ground |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | 1 Lacs |
| | Budgetary allocation (O & M cost) : | 0.05 Lacs/year |
| | Details of UGT tanks if any : | Fire Fighting Tank: 200 CMD Domestic Water Tank: 68 CMD Flushing Water Tank: = 37 CMD Rain Water Harvesting Tank: 40 CMD |
| 35.Storm water drainage | Natural water drainage pattern: | SWD by Gravity & connected to south side |
| | Quantity of storm water: | 0.197 m3/Sec |
| | Size of SWD: | Ranging from 600 mm wide storm water drain Channel, Slope 1:450 |
| Sewage and Waste water | Sewage generation in KLD: | 80.62 KLD |
| | STP technology: | Moving Bed Bio-Reactor (MBBR) Technology |
| | Capacity of STP (CMD): | 1 STP - 90 KLD |
| | Location & area of the STP: | Below Ground, Area: 78 Sq. M. |
| | Budgetary allocation (Capital cost): | 16 Lacs |
| | Budgetary allocation (O & M cost): | 3 Lacs/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. |
| | Disposal of the construction waste debris: | Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per "Construction and Demolition waste management Rules 2016. |
| Waste generation in the operation Phase: | Dry waste: | 213 KG/DAY |
| | Wet waste: | 142 KG/DAY |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 8.4 KG/DAY |
| | Others if any: | NA |
| DR. B.N.Patil (Secretary SEAC-II) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 37 of 70 |
| | | Shri M.M.Adtani (Chairman SEAC-II) |

| | | | | | | | |
|--|--|--|---------------------------------------|--|--|-------------------------------|---------------------------|
| Mode of Disposal of waste: | Dry waste: | Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non-recyclable will be disposed off at MCGM landfill sites. | | | | | |
| | Wet waste: | Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors. | | | | | |
| | Hazardous waste: | NA | | | | | |
| | Biomedical waste (If applicable): | NA | | | | | |
| | STP Sludge (Dry sludge): | Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors | | | | | |
| | Others if any: | NA | | | | | |
| Area requirement: | Location(s): | Ground Level | | | | | |
| | Area for the storage of waste & other material: | 60 SQ.M. | | | | | |
| | Area for machinery: | 10 SQ. M. | | | | | |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 10 LACS | | | | | |
| | O & M cost: | 1 Lac/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 | | | | | | | |


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 (M. M. Adtani)
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| 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 : | (At Ground Level: 414.77 Sq. m. At Podium Level: 841.28 Sq. m.) Total RG area provided: 1256.05 Sq. m , Total Open Space Area: 2877.27 Sq. m. |
| | No of trees to be cut : | Nil |
| | Number of trees to be planted : | 142 |
| | List of proposed native trees : | AZARDIRACHTA INDICA (Neem), SARACA ASOCA (Sita Ashok), BOMBAX CEIBA (Katesavar), CASSIA FISTULA (Bahawa), NYCTANTHES ARBORTRISTIS (Parijatak), Polyalthia longifolia (Asupalav), Michelia champaca (Son chafa) |
| | Timeline for completion of plantation : | After completion of construction work |


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 | AZARDIRACHTA INDICA | Neem | 20 | Medicinal Tree |
| 2 | SARACA ASOCA | Sita Ashok | 16 | Medium sized deciduous tree. Bright scarlet flowers. |
| 3 | BOMBAX CEIBA | Katesavar | 20 | Shady Tree |
| 4 | CASSIA FISTULA | Bahawa | 20 | Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant |
| 5 | Plumeria alba | Firangi pani | 13 | Medium sized deciduous tree. Bright scarlet flowers. |
| 6 | NYCTANTHES ARBORTRISTIS | Parijatak | 20 | Medium sized deciduous tree. Bright scarlet flowers. |
| 7 | Polyalthia longifolia | Asupalav | 21 | Medium sized deciduous tree. Bright scarlet flowers. |
| 8 | Michelia champaca | Son chafa | 12 | Medium sized evergreen tree. Bright scarlet flowers. |

45.Total quantity of plants on ground

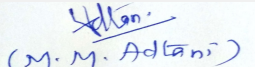
46.Number and list of shrubs and bushes species to be planted in the podium RG:

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|-------------------------------------|--------------|---------|
| 1 | Vitex Negundi (Nirgudi) | 2 | NA |
| 2 | Adhatoda Vasica (Adulasa) | 1.75 | NA |
| 3 | Ziziphus Mauritiana (Ber) | 2.25 | NA |
| 4 | Cassia Tora (Takala) | 2 | NA |
| 5 | Plumbago Zeylanica (White Plumbago) | 1.5 | NA |
| 6 | Stachytarpheta Sp | 2.25 | NA |


(Dr. B. N. Patil)
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(M. M. Adtani)
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47. Energy

| | | |
|---------------------------|--|-----------------------|
| Power requirement: | Source of power supply : | TATA Power |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 5456 |
| | During Operation phase (Demand load): | 2638 |
| | Transformer: | 2 Nos. of 1500 KVA |
| | DG set as Power back-up during operation phase: | 1no DG set of 400 kVA |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | Not Applicable |

48. Energy saving by non-conventional method:

4.15%

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|--|
| 1 | Solar PV Cell & Solar Hot Water Generator | 18 KW to offset on PV Cells + 25% of Hot water requirement catered by Solar hot water generator. |

50. Details of pollution control Systems


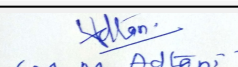
| Source | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable | Not applicable |

| | | |
|--|------------------------|---------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 23.30 Lacs |
| | O & M cost: | 2.5 Lacs/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 Environment | Water for dust suppression | 0.25 |
| 2 | Socio-economic Environment | Site sanitation | 0.5 |
| 3 | Socio-economic Environment | Disinfection at Site | 0.5 |
| 4 | Socio-economic Environment | Health check-up of workers | 0.5 |

| | | | |
|--|---|------------------|--|
|  (Dr. B. N. Patil) Member Secretary SEAC (MMR) DR. B.N.Patil (Secretary SEAC-II) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 40 of 70 |  (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II) |
|--|---|------------------|--|

| | | | |
|---|------------------------|--------------------------|------|
| 5 | Environment management | Environmental Monitoring | 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 | Water Environment | Waste water Treatment - 1 STP of 90 KLD | 16 | 3 |
| 2 | Water Environment | Water Conservation - 1 RWH tank 40 CUM | 1 | 0.05 |
| 3 | Land Environment (Solid Waste Management) | Cost fot treatment of Biodegrabale waste of 81 Kg/Day | 10 | 1 |
| 4 | Air Environment | Tree Plantation & Landscaping | 5 | 1 |
| 5 | Energy Conservation | Solar Panels | 23.30 | 2.5 |

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

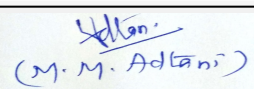
53.Traffic Management

| | |
|---|------|
| Nos. of the junction to the main road & design of confluence: | None |
|---|------|



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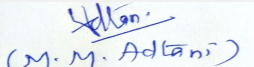

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Shri M.M.Adtani (Chairman SEAC-II)

| | | |
|---|--|---|
| Parking details: | Number and area of basement: | Nil |
| | Number and area of podia: | 4 Podiums AREA -12325.28 Sq. m. |
| | Total Parking area: | 8244 Sq. m. |
| | Area per car: | 29.00 Sq. M. |
| | Area per car: | 29.00 Sq. M. |
| | Number of 2-Wheelers as approved by competent authority: | Nil |
| | Number of 4-Wheelers as approved by competent authority: | 286 Nos. |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | More than 6.00 m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Sanjay Gandhi National Park - Approx. 3.00 Km |
| | Category as per schedule of EIA Notification sheet | Category 'B' |
| | Court cases pending if any | Nil |
| | Other Relevant Informations | Not Applicable |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Summorisred in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |


 (Dr. B. N. Patil)
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 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

Environment Clearance for proposed construction of Residential and commercial Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) by M/s. Devkrupa Developers.

PP submitted their application for Environment Clearance for total plot area of 5778.40 Sq. Meters., Total BUA of 39563.03 Sq. Mtrs. and FSI area of 18547.50 Sq. Mtrs., having maximum heights of 128.15 mtrs.

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


After deliberation, committee decided to defer the proposal for compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit structural stability certificate.
- 2) PP to ensure refuge area as per NBC norms.
- 3) PP to provide 6m drive way for access of fire tender and submit revise plan for fire tender movement.

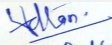
FINAL RECOMMENDATION

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


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)

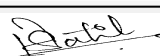
SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Proposed Residential development on plot bearing C.T.S. No. 491A/6 and 491A/5 of Nahur village, Mulund, Mumbai, Maharashtra

Is a Violation Case: No

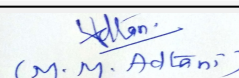
| | |
|--|--|
| 1.Name of Project | Piramal Revanta |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | PRL DEVELOPERS Pvt.Ltd. |
| 4.Name of Consultant | Building Environment India Pvt Ltd |
| 5.Type of project | Housing Residential project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | New project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | NA |
| 8.Location of the project | C.T.S. No. 491A/6 and 491A/5 of Nahur village, Mulund, Mumbai, Maharashtra |
| 9.Taluka | Mumbai |
| 10.Village | Nahur |
| Correspondence Name: | 8th floor ,Piramal Tower, Lower Parel , |
| Room Number: | as above |
| Floor: | as above |
| Building Name: | as above |
| Road/Street Name: | as above |
| Locality: | Lower Parel |
| City: | Mumbai |
| 11.Area of the project | MCGM |
| 12.IOD/IOA/Concession/Plan Approval Number | Will be submitted during EIA presentation IOD/IOA/Concession/Plan Approval Number: Will be submitted during EIA presentation Approved Built-up Area: 181410.06 |
| 13.Note on the initiated work (If applicable) | Constructed area till date: 3204 sq. mt.; Tower T1 - Plinth level ; Tower T2 - Basement in progress |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 33882.200 Sq.m |
| 16.Deductions | 11103.50sq.m. (Roads & reservations) |
| 17.Net Plot area | 22778.700sq.m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 79457.50 sq.m. b) Non FSI area (sq. m.): 100213.17 sq.m. c) Total BUA area (sq. m.): 181410.06 |
| 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) | 3862.66sq.m(17%) |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 17 |
| 21.Estimated cost of the project | 4940000000 |

22.Number of buildings & its configuration



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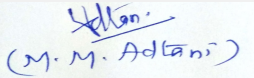

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SEAC-II)**

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|---|------------------------|------------------------|-------------------------------|----------------|
| 1 | Tower 1 | G + 45th Floor | 141.60 M | |
| 2 | Tower 2 | G + 45th Floor | 141.60 M | |
| 3 | Tower 3 | G + 45th Floor | 141.60 M | |
| 4 | Tower 4 | G + 12th floor | 40.9 M | |
| 23.Number of tenants and shops | | 988 | | |
| 24.Number of expected residents / users | | 4940no.s | | |
| 25.Tenant density per hectare | | will be provided later | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | | 36.6mt wide DP road | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | | 7.5m | | |
| 29.Existing structure (s) if any | | NIL | | |
| 30.Details of the demolition with disposal (If applicable) | | NIL | | |
| 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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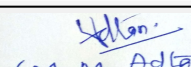

 (M. M. Adtani)
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| Dry season: | Source of water | MCGM | | | | | | | |
|---|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 701 | | | | | | | |
| | Recycled water - Flushing (CMD): | 269 | | | | | | | |
| | Recycled water - Gardening (CMD): | Already included | | | | | | | |
| | Swimming pool make up (Cum): | 0 | | | | | | | |
| | Total Water Requirement (CMD) : | 701 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | as per NBC | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | as per NBC | | | | | | | |
| | Excess treated water | Will be reuse for irrigating gardens and flushing purposes | | | | | | | |
| Wet season: | Source of water | MCGM | | | | | | | |
| | Fresh water (CMD): | 701 | | | | | | | |
| | Recycled water - Flushing (CMD): | 269 | | | | | | | |
| | Recycled water - Gardening (CMD): | Already included | | | | | | | |
| | Swimming pool make up (Cum): | 0 | | | | | | | |
| | Total Water Requirement (CMD) : | 701 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | as per NBC | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | as per NBC | | | | | | | |
| | Excess treated water | Will be reuse for flushing purposes | | | | | | | |
| Details of Swimming pool (If any) | 208.84.SQm. | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| | 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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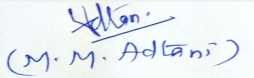

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| | | |
|---|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 3M |
| | Size and no of RWH tank(s) and Quantity: | 421KL |
| | Location of the RWH tank(s): | Underground |
| | Quantity of recharge pits: | NIL |
| | Size of recharge pits : | NIL |
| | Budgetary allocation (Capital cost) : | 7 lacs |
| | Budgetary allocation (O & M cost) : | 2.5lacs/year |
| | Details of UGT tanks if any : | nil |
| 35.Storm water drainage | Natural water drainage pattern: | as per natural storm water draiange |
| | Quantity of storm water: | • There would be provision to drain off excess rain water during heavy rain fall to storm water through overflow pipes to avoid flooding of the compound area. |
| | Size of SWD: | 450mm Wide |
| Sewage and Waste water | Sewage generation in KLD: | 562 |
| | STP technology: | MBBR technology |
| | Capacity of STP (CMD): | 4no.s of STP;Total capacity 562 KLD |
| | Location & area of the STP: | Basement level |
| | Budgetary allocation (Capital cost): | 105lacs |
| | Budgetary allocation (O & M cost): | 30lacs/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | 2.5TPD |
| | Disposal of the construction waste debris: | will be used for levelling and back filling |
| Waste generation in the operation Phase: | Dry waste: | 1.22TPD |
| | Wet waste: | 1.83TPD |
| | Hazardous waste: | will be negligible |
| | Biomedical waste (If applicable): | Nil |
| | STP Sludge (Dry sludge): | 0.14TPD |
| | Others if any: | NIL |


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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Will be disposed through authorised recycler |
| | Wet waste: | will be treated in OWC |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Will be used as manure |
| | Others if any: | NA |
| Area requirement: | Location(s): | 150SQ.M |
| | Area for the storage of waste & other material: | as above |
| | Area for machinery: | ASabove |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 21 lacs |
| | O & M cost: | 6 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

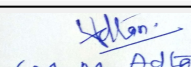
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------------|----------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |

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


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| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | Green area on ground 5709.21q.m(25.06%);Landscaped podium = 5343sq.m |
| | No of trees to be cut : | will be transplanted |
| | Number of trees to be planted : | 244 |
| | List of proposed native trees : | Jamun;Bahava,kadamb,Ashoka etc |
| | Timeline for completion of plantation : | 4 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 | Will be presented during EIA ppt | Will be presented during EIA ppt | Will be presented during EIA ppt | Will be presented during EIA ppt |

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 | Will be presented during EIA ppt | Will be presented during EIA ppt | Will be presented during EIA ppt |

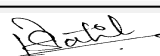
47.Energy

| | | |
|--|--|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 100 KVA |
| | DG set as Power back-up during construction phase | 100 kva only in case of power failiure |
| | During Operation phase (Connected load): | Total Connected load: 27.37 MW |
| | During Operation phase (Demand load): | Max Demand10.43 MW |
| | Transformer: | NIL |
| | DG set as Power back-up during operation phase: | 3 Nos. of DG each 2000KVA + 1 no. of 415KVA |
| | Fuel used: | HSD |
| Details of high tension line passing through the plot if any: | NA | |

48.Energy saving by non-conventional method:

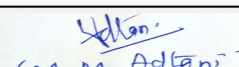
Will be provided during EIA presentation

49.Detail calculations & % of saving:


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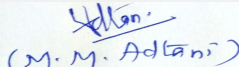
| Serial Number | Energy Conservation Measures | Saving % | | | | | |
|---|--|--|--|--|---------------------------|------------------|-------------------------|
| 1 | Will be provided during EIA presentation | Will be provided during EIA presentation | | | | | |
| 50.Details of pollution control Systems | | | | | | | |
| 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: | Will be provided during EIA presentation | | | | | |
| | O & M cost: | Will be provided during EIA presentation | | | | | |
| 51.Environmental Management plan Budgetary Allocation | | | | | | | |
| a) Construction phase (with Break-up): | | | | | | | |
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) | | | | |
| 1 | Will be provided during EIA presentation | Will be provided during EIA presentation | Will be provided during EIA presentation | | | | |
| b) Operation Phase (with Break-up): | | | | | | | |
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) | | | |
| 1 | Will be provided during EIA presentation | Will be provided during EIA presentation | Will be provided during EIA presentation | Will be provided during EIA presentation | | | |
| 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: | | | 2 | | | | |

| | | |
|---|--|---|
| Parking details: | Number and area of basement: | 1 |
| | Number and area of podia: | 11 |
| | Total Parking area: | Will be provided during EIA presentation |
| | Area per car: | Will be provided during EIA presentation |
| | Area per car: | Will be provided during EIA presentation |
| | Number of 2-Wheelers as approved by competent authority: | 331 |
| | Number of 4-Wheelers as approved by competent authority: | 1458 |
| | Public Transport: | nil |
| | Width of all Internal roads (m): | 6 m and 9m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Sanjay Gandhi National park: approximate 1 km |
| | Category as per schedule of EIA Notification sheet | Category 8B |
| | Court cases pending if any | NIL |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Summorisred in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |


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 (M. M. Adtani)
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Environment Clearance for proposed construction of Residential building at C.T.S. No. 491A/6 and 491A/5 of Nahur village, Mulund, Mumbai, Maharashtra by PRL DEVELOPERS Pvt.Ltd. (ToR)

PP submitted their application for Environment Clearance for total plot

area of 33882.20 Sq. Meters., Total BUA of 181410.06 Sq. Mtrs. and FSI area of 79457.50 Sq. Mtrs., having maximum heights of 141.60 mtrs.

The proposal was discussed on the basis of the draft ToR as presented by the PP. 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) B1.

DECISION OF SEAC


After discussion, ToR presented by PP was approved with following additional ToR Points.

Specific Conditions by SEAC:

- 1) During discussion pp stated that they have construct 3204 sq.m area on site prior to environmental clearance. PP to submit clarification for the same.
- 2) PP to submit compliance of conditions for letter given by MCGM dated 24/9/2015 & 16/9/2016
- 3) PP to edit consolidated statement.
- 4) PP to submit counter map & SWD design details.
- 5) PP to submit disaster management plan.
- 6) PP to submit traffic analysis report
- 7) PP to submit natural ventilation Plan and shadow analysis report within floors.
- 8) PP to submit energy saving calculations and use of Solar Power
- 9) PP to submit copy of HRC NOC if applicable.
- 10) PP to submit debris & disposal management plan.
- 11) PP to ensure that fire tender movement should be in such a way that fire tender can access all the flats in the project.
- 12) PP to ensure that slope of the ramp should be 1:15 for adequate vehicular & fire tender movement.
- 13) PP to submit light & ventilation analysis.
- 14) PP to submit detailed landscape plans. Also submit number of trees to be cut, transplanted.
- 15) PP to explore alternative low cost & sustainable sewage treatment technology and submit details for the operation & maintenance cost and corpus to operate & maintain the same for 10 years by the Developers. BOD should be less than 10 mg/lit.
- 16) PP to ensure that 6-8% of the total energy requirement should be generated from the renewable component. PP to submit revised energy saving plan & calculations accordingly.
- 17) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon?ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.
- 18) PP to also refer ToR attached as "Exhibit-A" & standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

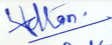
FINAL RECOMMENDATION

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.


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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018


Subject: Environment Clearance for Proposed "Synergy Commercial complex"

Is a Violation Case: No

| | |
|--|--|
| 1.Name of Project | Synergy Commercial complex" |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Shakti Commercial Premises Soc. Ltd |
| 4.Name of Consultant | Aditya Environmental Services Pvt. Ltd. |
| 5.Type of project | Commercial complex" |
| 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 | Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai |
| 9.Taluka | Navi Mumbai |
| 10.Village | Vashi |
| Correspondence Name: | Mr. Raj Shah |
| Room Number: | 401 |
| Floor: | Above Axis Bank |
| Building Name: | Sai Heirtage |
| Road/Street Name: | Tilak Road, |
| Locality: | Tilak Road, |
| City: | Mumbai- 400077 |
| 11.Area of the project | Navi Mumbai Municipal Corporation. |
| 12.IOD/IOA/Concession/Plan Approval Number | NOT APPLICABLE |
| | IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE |
| | Approved Built-up Area: 12064 |
| 13.Note on the initiated work (If applicable) | NOT APPLICABLE |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NOT APPLICABLE |
| 15.Total Plot Area (sq. m.) | 8,042.70 |
| 16.Deductions | 0 |
| 17.Net Plot area | 8,042.70 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 12,064 |
| | b) Non FSI area (sq. m.): 35,803.87 |
| | c) Total BUA area (sq. m.): 47867.87 |
| 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) | 5585.79 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 69.4 |
| 21.Estimated cost of the project | 700000000 |

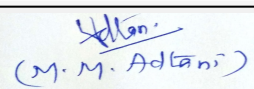
22.Number of buildings & its configuration

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


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Shri M.M.Adtani (Chairman SEAC-II)


| | | | |
|--|----------------|---|-------|
| 1 | Commercial & 1 | Basement + Ground + 1st to 3rd Podium level parking + 4th to 16th UF floors | 69.95 |
| 23.Number of tenants and shops | | Shops - 50, Offices - 259 | |
| 24.Number of expected residents / users | | 3020 | |
| 25.Tenant density per hectare | | 3754 | |
| 26.Height of the building(s) | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | | 11 M | |
| 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 | | 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 |

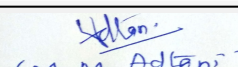
32.Total Water Requirement

| | | |
|-------------|--|--------|
| Dry season: | Source of water | NMMC |
| | Fresh water (CMD): | 39 |
| | Recycled water - Flushing (CMD): | 122.10 |
| | Recycled water - Gardening (CMD): | 4.80 |
| | Swimming pool make up (Cum): | 0 |
| | Total Water Requirement (CMD) : | 165.51 |
| | Fire fighting - Underground water tank(CMD): | 200 |
| | Fire fighting - Overhead water tank(CMD): | 30 |
| | Excess treated water | 3.70 |


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| | | |
|-------------|--|--------|
| Wet season: | Source of water | NMMC |
| | Fresh water (CMD): | 39 |
| | Recycled water - Flushing (CMD): | 122.10 |
| | Recycled water - Gardening (CMD): | 0 |
| | Swimming pool make up (Cum): | 0 |
| | Total Water Requirement (CMD) : | 160.71 |
| | Fire fighting - Underground water tank(CMD): | 200 |
| | Fire fighting - Overhead water tank(CMD): | 30 |
| | Excess treated water | 8.5 |

Details of Swimming pool (If any)


NA

33.Details of Total water consumed

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

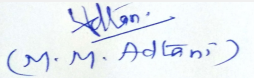
34.Rain Water Harvesting (RWH)

| | |
|--|---|
| Level of the Ground water table: | 3.00 m to 3.50 m |
| Size and no of RWH tank(s) and Quantity: | 1 no. x 76 cu.m |
| Location of the RWH tank(s): | Basement floor |
| Quantity of recharge pits: | 0 |
| Size of recharge pits : | 0 |
| Budgetary allocation (Capital cost) : | Rs. 20.50 Lacs |
| Budgetary allocation (O & M cost) : | Rs. 4.10 Lacs/annum |
| Details of UGT tanks if any : | Location(s) of the UGT tank(s): Ground level Details of UG tanks: Fire Tank - 200 kld, Domestic tank - 34.50 kld, Flushing Tank - 88.00 kld |


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| | | |
|--------------------------------|--|--|
| 35.Storm water drainage | Natural water drainage pattern: | Natural drainage pattern will be maintained. |
| | Quantity of storm water: | will be designed as per maximum rainfall |
| | Size of SWD: | 450 mm x 450 ~ 830 mm |

| | | |
|-------------------------------|---|---------------------|
| Sewage and Waste water | Sewage generation in KLD: | 136.50 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 1 NO. AND 150 CMD |
| | Location & area of the STP: | STP below ramp |
| | Budgetary allocation (Capital cost): | Rs. 60.50 Lacs |
| | Budgetary allocation (O & M cost): | Rs. 3.60 Lacs/annum |

36.Solid waste Management

| | | |
|---|---|---|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | All Excavated earth of shall be used for backfilling on site. |
| | Disposal of the construction waste debris: | Debris generated during construction phase will be collected at one place and will be disposed off to NMMC approved land filling sites. |

| | | |
|---|--|-----|
| Waste generation in the operation Phase: | Dry waste: | 272 |
| | Wet waste: | 332 |
| | Hazardous waste: | 0 |
| | Biomedical waste (If applicable): | 0 |
| | STP Sludge (Dry sludge): | 82 |
| | Others if any: | 0 |


| | | |
|-----------------------------------|--|--|
| Mode of Disposal of waste: | Dry waste: | segregation and sale of recyclables, inerts to approved landfill site. |
| | Wet waste: | Organic Waste Converter |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | mix with wet waste and convert that into compost |
| | Others if any: | NA |

| | | |
|--------------------------|--|------------------------------|
| Area requirement: | Location(s): | Ground Level |
| | Area for the storage of waste & other material: | 44 Sq. m. |
| | Area for machinery: | INCLUDING AREA FOR MACHINERY |

| | | |
|--|------------------------|----------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 3.00 LACS |
| | O & M cost: | Rs. 0.60 Lacs /annum |

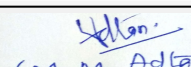
37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|


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| | | | | | |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|
| 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


| | | |
|----------------------------------|--|------------------------------------|
| 43.Green Belt Development | Total RG area : | 1156 |
| | No of trees to be cut : | 0 |
| | Number of trees to be planted : | 80 |
| | List of proposed native trees : | ATTACHED AS ANNEXURE I |
| | Timeline for completion of plantation : | 4 YEARS FROM START OF CONSTRUCTION |

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 | ATTACHED AS ANNEXURE I | ATTACHED AS ANNEXURE I | ATTACHED AS ANNEXURE I | ATTACHED AS ANNEXURE I |

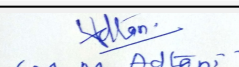
45.Total quantity of plants on ground

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 | ATTACHED AS ANNEXURE I | ATTACHED AS ANNEXURE I | ATTACHED AS ANNEXURE I |

47. Energy

| | | |
|---------------------------|--|---------------------------|
| Power requirement: | Source of power supply : | MSEB |
| | During Construction Phase: (Demand Load) | 62.5 KVA |
| | DG set as Power back-up during construction phase | 62.5 kVA |
| | During Operation phase (Connected load): | 3886 KW |
| | During Operation phase (Demand load): | 2145 KW |
| | Transformer: | 5 Nos of 630 kVA |
| | DG set as Power back-up during operation phase: | 1 x 200 KVA & 1 x 125 kVA |
| | Fuel used: | HSD / Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Energy savings measures:

- Using Solar PV Panels
- Using regenerative type of lifts system
- Using ventilation fans with VFD
- Using inverter based VRV system
- Using water pumps for Energy Meter for monitoring

Detail calculations & % of saving:

Providing PV panels 1 % of maximum Demand Load 21.45


Providing 6 kWp it will 24 kWh

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|---|
| 1 | Using Solar PV Panels, Using regenerative type of lifts system , ng ventilation fans with VFD, Using inverter based VRV system , Using water pumps for Energy Meter for monitoring | Providing PV panels 1 % of maximum Demand Load 21.45 Providing 6 kWp it will 24 kWh |

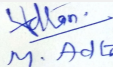
50. Details of pollution control Systems

| 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. 10.50 Lacs |
| | O & M cost: | Rs. 1.05 Lacs/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 | Debris/Top soil Management | NA | 3.00 |
| 2 | Toilets for labour + drinking water + first aid arrangement | NA | 1.5 |
| 3 | Health and Safety of Labourers | NA | 5.00 |
| 4 | Monitoring of Environmental Parameters | NA | 2.00 |
| 5 | Environment monitoring cell | NA | 2.50 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--|-------------|--------------------------|---|
| 1 | Sewage Treatment Plant | NA | 60.50 | 0.45 / Month |
| 2 | Solid Waste Management | NA | 3.00 | 0.60 |
| 3 | Rain Water Harvesting | NA | 20.50 | 4.10 |
| 4 | Green Belt | NA | 1.00 | 0.20 |
| 5 | Energy saving features + Solar Water Heater/ Solar Power | NA | 10.50 | 1.05 |
| 6 | Fire Fighting measures | NA | 150.00 | 30 |
| 7 | Monitoring of Environmental Parameters | NA | 0 | 2.50 |
| 8 | ENVIRONMENT MONITORING CELL | NA | 0 | 3.15 |

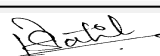
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| 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

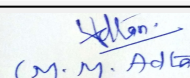
No Information Available

53.Traffic Management


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| | | |
|------------------|---|--------------------|
| | Nos. of the junction to the main road & design of confluence: | 0 |
| Parking details: | Number and area of basement: | 0 |
| | Number and area of podia: | 3 Nos. & 4425 Sq.m |
| | Total Parking area: | 5100 Sq.m |
| | Area per car: | 12.5 |
| | Area per car: | 12.5 |
| | Number of 2-Wheelers as approved by competent authority: | 28 |
| | Number of 4-Wheelers as approved by competent authority: | 286 |
| | Public Transport: | NIL |
| | 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 | 0 |
| | Category as per schedule of EIA Notification sheet | 8 (a) |
| | 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

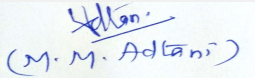
Summorisred in brief information of Project as below.

Brief information of the project by SEAC


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Environment Clearance for proposed construction Synergy Commercial complex” at Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai by Shakti Commercial Premises Soc. Ltd.

PP submitted their application for Environment Clearance for total plot area of 8042.70 Sq. Meters., Total BUA of 47867.87 Sq. Mtrs. and FSI area of 12064 Sq. Mtrs., having maximum heights of 69.95 mtrs.

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


After deliberation, committee decided to defer the proposal for compliance of following points.

Specific Conditions by SEAC:

- 1) PP to explore possibility of fire tender boom activity up to all refuge area.
- 2) PP to explore fire tender movement up to the podium.
- 3) PP to submit ventilation and shadow analysis report
- 4) PP to explore possibility of vertical solar panel.
- 5) PP to ensure Refuge Area can be on alternate floors.

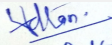
FINAL RECOMMENDATION

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


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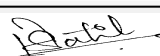
62nd (Part - C) Meeting of State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 62nd (Part - C) Meeting Date June 22, 2018

Subject: Environment Clearance for Residential Building Project

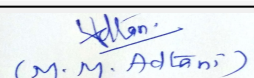
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | Proposed implementation of amalgamated S. R. Scheme on land bearing CTS NO. A/98(pt), A/102, A/103(pt), A/108(pt), A/109, A/110(pt), A/115, A/116, A/117(pt), A/104(pt), A/105, A/106, A/107, A/126(pt), A/132(pt), And 139(pt) of Village Bandra (West), H/W Ward, Mumbai 400050, Maharashtra State |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | 1. M/S Grace Property India Pvt. Ltd., 2. M/S Pioneer India Developers Pvt. Ltd. |
| 4.Name of Consultant | AQURA Enviro Projects Pvt. Ltd. |
| 5.Type of project | SRA Scheme |
| 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 | Land bearing CTS NO. A/98(pt), A/102, A/103(pt), A/108(pt), A/109, A/110(pt), A/115, A/116, A/117(pt), A/104(pt), A/105, A/106, A/107, A/126(pt), A/132(pt), And 139(pt) of Village Bandra (West), H/W Ward, Mumbai 400050, Maharashtra State |
| 9.Taluka | Bandra |
| 10.Village | Bandra |
| Correspondence Name: | Mr. Yatin More |
| Room Number: | Premises No. 25, 26 |
| Floor: | 2nd Floor |
| Building Name: | Dheeraj Heritage |
| Road/Street Name: | S.V Road |
| Locality: | Santacruz (W) |
| City: | Mumbai 400054 |
| 11.Area of the project | Municipal Corporation of Greater Mumbai |
| 12.IOD/IOA/Concession/Plan Approval Number | Sale 1: SRA/ENG/3881/HW/MCGM/AP, Rehab 1: SRA/ENG/3883/HW/MCGM/AP, Rehab 2: SRA/ENG/3884/HW/MCGM/AP, Rehab 3: SRA/ENG/3885/HW/MCGM/AP, Rehab 4: SRA/ENG/3886/HW/MCGM/AP, Sale 2: SRA/ENG/3882/HW/MCGM/AP dated 01.04.2017 IOD/IOA/Concession/Plan Approval Number: Sale 1: SRA/ENG/3881/HW/MCGM/AP, Rehab 1: SRA/ENG/3883/HW/MCGM/AP, Rehab 2: SRA/ENG/3884/HW/MCGM/AP, Rehab 3: SRA/ENG/3885/HW/MCGM/AP, Rehab 4: SRA/ENG/3886/HW/MCGM/AP, Sale 2: SRA/ENG/3882/HW/MCGM/AP dated 01.04.2017 Approved Built-up Area: 88139.38 |
| 13.Note on the initiated work (If applicable) | NA |
| 14.LOI / NOC / TOD from MHADA/ Other approvals (If applicable) | SRA/ENG/738/HW/MCGM/LOI dated 30.03.2017 |
| 15.Total Plot Area (sq. m.) | 21463.09 Sq. m |
| 16.Deductions | 13194.41 Sq. m |
| 17.Net Plot area | 8253.94 Sq. m |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 102090.22 |
| | b) Non FSI area (sq. m.): 38394.72 |
| | c) Total BUA area (sq. m.): 140484.94 |
| 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) | 6819.69 |


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| | |
|--|------------|
| 20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 31% |
| 21. Estimated cost of the project | 9549400000 |

22. Number of buildings & its configuration


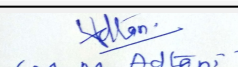
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------------|---|-------------------------------|
| 1 | Sale Building 1 Tower 1 to 5 | Ground + Podium + (Tower 1 to 5) 29 Floors | 98.80 |
| 2 | Sale Building 1 Tower 1 to 5 | Ground + Podium + (Tower 1 to 5) 29 Floors | 98.80 |
| 3 | Sale Building 1 Tower 1 to 5 | Ground + Podium + (Tower 1 to 5) 29 Floors | 98.80 |
| 4 | Sale Building 1 Tower 1 to 5 | Ground + Podium + (Tower 1 to 5) 29 Floors | 98.80 |
| 5 | Sale Building 1 Tower 1 to 5 | Ground + Podium + (Tower 1 to 5) 29 Floors | 98.80 |
| 6 | Sale Building 2 | Ground + 20 Floors | 62.50 |
| 7 | Rehab Building 1 | Ground + 23 Floors | 69.90 |
| 8 | Rehab Building 2 | Ground + 12 Floors | 39.30 |

| | |
|--|-------------------------------|
| 23. Number of tenants and shops | Flats: 2394 Shops: 55 |
| 24. Number of expected residents / users | Residents: 11970, Shops: 165 |
| 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)) | 9 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 | Slums are present on the 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

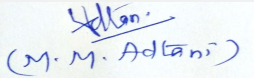
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|  (Dr. B. N. Patil) Member Secretary SEAC (MMR) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 63 of 70 |  (M. M. Adtani) Shri M.M. Adtani (Chairman SEAC-II) |
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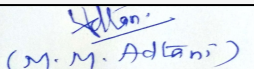
| Dry season: | Source of water | MCGM | | | | | | | |
|---|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 1081 | | | | | | | |
| | Recycled water - Flushing (CMD): | 543 | | | | | | | |
| | Recycled water - Gardening (CMD): | 10 | | | | | | | |
| | Swimming pool make up (Cum): | - | | | | | | | |
| | Total Water Requirement (CMD) : | 1623 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 2050 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 360 | | | | | | | |
| | Excess treated water | 762 | | | | | | | |
| Wet season: | Source of water | MCGM | | | | | | | |
| | Fresh water (CMD): | 1081 | | | | | | | |
| | Recycled water - Flushing (CMD): | 543 | | | | | | | |
| | Recycled water - Gardening (CMD): | 0 | | | | | | | |
| | Swimming pool make up (Cum): | - | | | | | | | |
| | Total Water Requirement (CMD) : | 1623 | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 2050 | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 360 | | | | | | | |
| | Excess treated water | 772 | | | | | | | |
| Details of Swimming pool (If any) | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | 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: | 2.5 to 3 m below Ground | |
| | Size and no of RWH tank(s) and Quantity: | 12 tanks of 205 CMD | |
| | Location of the RWH tank(s): | below Ground | |
| | Quantity of recharge pits: | NA | |
| | Size of recharge pits : | NA | |
| | Budgetary allocation (Capital cost) : | 12 Lakhs | |
| | Budgetary allocation (O & M cost) : | 1.2 Lakhs per annum | |
| | Details of UGT tanks if any : | Domestic Tank: 12 Tanks of Total 1110 CMD Flushing tank: 12 tanks of total 555 CMD Fire Fighting Tank: 11 tanks of total 2050 CMD | |
| 35.Storm water drainage | Natural water drainage pattern: | Storm water drain is laid at a slope of 1: 350 to the municipal outfall outside the plot. Rainwater from site shall be collected by network of storm water piping system through catch basins and storm channel & then allowed to connect to the public storm water line outside the plot boundary. | |
| | Quantity of storm water: | 0.169 cum/sec | |
| | Size of SWD: | 450 mm wide | |
| Sewage and Waste water | Sewage generation in KLD: | 1464 CMD | |
| | STP technology: | Moving Bed Bio Reactor (MBBR) | |
| | Capacity of STP (CMD): | 7 STP of total 1464 CMD | |
| | Location & area of the STP: | Below Ground, Area: 600 Sq. m | |
| | Budgetary allocation (Capital cost): | 150 Lakhs | |
| | Budgetary allocation (O & M cost): | 15 lakh per annum | |
| 36.Solid waste Management | | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Construction Debris | |
| | Disposal of the construction waste debris: | Disposal of construction waste will be as per Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM. | |
| Waste generation in the operation Phase: | Dry waste: | 3242 kg/day | |
| | Wet waste: | 2161 kg/day | |
| | Hazardous waste: | NA | |
| | Biomedical waste (If applicable): | NA | |
| | STP Sludge (Dry sludge): | 153 kg/day | |
| | Others if any: | NA | |
|  <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 65 of 70 |  <small>(M. M. Adtani)</small> Shri M.M.Adtani (Chairman SEAC-II) |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Dry waste would be further segregated into recyclable and nonrecyclable. Recyclable will be handed over to authorize vendors and non-recyclable will be disposed off at MCGM landfill sites |
| | Wet waste: | Wet Garbage will be treated in Mechanical Composting Unit. Organic Waste Convertor (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors. |
| | Others if any: | NA |
| Area requirement: | Location(s): | Ground |
| | Area for the storage of waste & other material: | 100 Sq. m |
| | Area for machinery: | 20 Sq. m |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 50 Lakh |
| | O & M cost: | 8 Lakh 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 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 | | | |


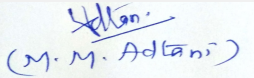
38. Hazardous Waste Details

| 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

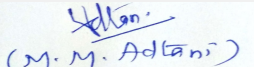
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|  <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II) | SEAC Meeting No: 62nd (Part - C) Meeting Date: June 22, 2018 | Page 66 of 70 |  <small>(M. M. Adtani)</small> Shri M.M.Adtani (Chairman SEAC-II) |
|---|---|--------------------------|---|

| 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 : | 1480 Sq. m | | |
| | No of trees to be cut : | NA | | |
| | Number of trees to be planted : | 74 | | |
| | List of proposed native trees : | Albizia lebbeck, Azadiracta indica, Alstonia scholaris, Saraca asoka, Bombax ceiba, | | |
| | Timeline for completion of plantation : | After Completion of construction works | | |
| 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 | Albizia lebbeck | Shirish | 20 | Shady tree, yellowish green fragrant flowers |
| 2 | Azadiracta indica | Neem | 20 | Large tree, good for roadside plantation |
| 3 | Alstonia scholaris | Satwin | 10 | Shady Tree, white fragrant flowers |
| 4 | Saraca asoka | Sita Ashok | 10 | Shady tree with red-yellow flowers |
| 5 | Bombax ceiba | Katesavar | 14 | Large tree, red flowers |
| 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 : | Reliance Energy Limited/ TATA Power |
| | During Construction Phase: (Demand Load) | 240 KW |
| | DG set as Power back-up during construction phase | NA |
| | During Operation phase (Connected load): | 6294.63 KW |
| | During Operation phase (Demand load): | 4258.19 KW |
| | Transformer: | 3022 KVA |
| | DG set as Power back-up during operation phase: | 2 DG set of 1250 KVA |
| | Fuel used: | High Speed Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Solar Water Heater & Solar PV panels

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--------------------------------------|----------|
| 1 | Solar Water Heater & Solar PV panels | 15% |

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: | 110 Lakhs |
| | O & M cost: | 10 Lakh per annum |

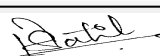
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-------------------|----------------------------|------------------------------------|
| 1 | Water Environmrnt | Drinking water | 0.2 |
| 2 | Health | Sanitation | 0.8 |
| 3 | Health | Health check up | 0.8 |
| 4 | Air Environment | Water for dust suppression | 0.2 |

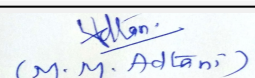
b) Operation Phase (with Break-up):

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


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| | | | | |
|---|--------------------------|--|-----|-----|
| 1 | STP & Sewerage network | 2 No. of STP of 1464 CMD | 150 | 15 |
| 2 | RWH System | 12 Tanks of 205 CMD Each | 12 | 1.2 |
| 3 | Environmental Monitoring | 6 monthly Water, Noise , Air quality analysis | 0 | 5 |
| 4 | Solid Waste Management | Organic Waste converter | 50 | 8 |
| 5 | Solar Installation | Solar Water heater & common area lighting on solar power | 110 | 10 |
| 6 | Landscaping | plantation and maintenance of 6 trees | 5 | 0.4 |

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

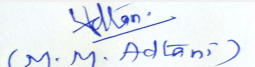
53.Traffic Management

| | | |
|----------------------------------|---|---------------|
| | Nos. of the junction to the main road & design of confluence: | None |
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | 1 podium |
| | Total Parking area: | 7373.52 Sq. m |
| | Area per car: | 11 Sq. m |
| | Area per car: | 11 Sq. m |
| | Number of 2-Wheelers as approved by competent authority: | NA |
| | Number of 4-Wheelers as approved by competent authority: | 861 |
| | Public Transport: | NA |
| Width of all Internal roads (m): | 6 m | |


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| | | |
|--|--|---------------------------------------|
| | CRZ/ RRZ clearance obtain, if any: | CRZ -2016/CR-364/TC4 dated 12.10.2017 |
| | 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 | NA |
| | Other Relevant Informations | NA |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

Proposed implementation of amalgamated S. R. Scheme on land bearing CTS NO. A/98(pt), A/102, A/103(pt), A/108(pt), A/109, A/110(pt), A/115, A/116, A/117(pt), A/104(pt), A/105, A/106, A/107, A/126(pt), A/132(pt), And 139(pt) of Village Bandra (West), H/W Ward, Mumbai 400050, Maharashtra State


DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

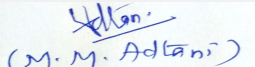
FINAL RECOMMENDATION

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


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri M.M.Adtani (Chairman
SEAC-II)**