Case No. - 4931/2016 Sh. Suresh Kumar CEO, Gwalior Development Authority, Vikas Bhawan , 1 Ravi Nagar Gwalior (MP)- 474002 ***Construction of affordable Housing Project "Atal Ashray Yojna", at Survey No. – 322, 323, 324,325, 326, Vill. – Jazderua Kalan,Th.- Gwalior, Distt. - Gwalior, M.P. Total Project Area – 24750 Sqm,, Build up Area – 37124 Sqm.***

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

Site Specific details

Particulars	Details
Location	**Environment Clearance of Affordable Housing Projec "Atal Ashray Yojna"** at Survey No. 322, 323, 324, 325 326 at Village- Jaderua kalan, District- Gwalior, Madhy Pradesh, India**.**
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	194 m above mean sea level
Latitude and Longitude	26°15'23.35"N, 78°14'15.32"E
Current status of land	Residential Landuse as per GDA Master Plan, 2021
Type of facilities	Housing with basic Facilities
Nearest Highway	Outer circular road: 800 m (S) NH-3(Mumbai-Agra) : 11 km (S) NH-92 (Bhongaon- Gwalior): 2.5 km (W)
Nearest railway station	Birla nagar railway station: 5 km (W) Gwalior junction railway station: 7 km (W)
Nearest airport	Raj mata Vijayraje Scindia air terminal : 4 km
Rivers/Lakes	Morar River : 450 m (E) Shank River : 18 km (W)
Seismic zone	Seismic Zone-II as per BIS 2002 map.

Defense installations	Gwalior Cantonment Area: 3.5 km (S) Maharajpur Air Force Station: 4 km (S)

Area Statement

S. No	Items	Details
1.	**Type of Building**	**Residential**
2.	Net plot Area	24,750 sq mt
3.	**Ground Coverage**	Permissible: 7,425 sq mt (30%) Proposed: 7,209 sq mt (29.1%)
4.	**FAR**	**Total Permissible FAR (@ 1.50) = 37,124 m^2** **Proposed FAR: 37,124 m^2** For Residential Development = 23092.9 m^2 For convenient shops, health center and school building= 14032.1m^2
5.	**Built up area (as per MoEF)**	**37,124 m^2**
6.	Total open area	17,541 sq mt (70.9% of net plot area)
7.	Internal roads and Paved area	5,680 sqm (23% of net plot area)
8.	Green Area	Proposed: 2,780 sq mt (11.23 % of net plot area)
9.	No. of Trees (Required-1 Tree/100 sqm of open area)	Required: 175 Trees Proposed: 200 Trees
10.	Number of floors	G + 3 floors
11.	Parking facilities	**Not Required**
12.	Power requirement & source	1500 kVA Source : Madhya Pradesh KshetraVidyutVitran Company Limited
13.	**Power Backup**	1 DG set of 50 KVA
14.	**Water Requirement and Source**	**Fresh Water Demand : 406 KLD** **Recycled Water: 24 KLD** **Total Water Demand : 430 KLD** **Source:** Ground water
15.	**Total Dwelling Units**	**576 Units** (EWS Unit 192 LIG Unit 384)
16.	**Estimated Population**	Residential – 2880 (@5 person per unit)

	(fixed + floating)	School – 200 Health Center – 160 Convenient Shops – 20 Visitors – 288
17.	**Height of the Building**	G + 3 (12 m approx.)

Development mix of the project

Sl no	**Building type**	**No of towers**	**No of units per floor**	**No of floors**	**Total no of units**
1.	LIG block	6	16	4	384
2.	EWS block	3	16	4	192
					Total no of units = 576

Water Balance Operation Phase

S. No.	**Description**	**Total Occupancy**	**Rate of water demand (lpcd)**	**Total Water Requirement (KLD)**
1	**EWS /LIG (576 units)**	2880	*135*	389
2	**School**	200	*45*	9.0
3	**Health Centre**			
i	Staff	10	*45*	0.5
ii	Visitors	150	*15*	2.3
4	**Convenient Shops**	20	*45*	0.9
5	**Visitors @10%**	288	*15*	4.3
Total Domestic water				**406**

6	**Horticulture and Landscape development**	2780 sqm	5 l/sqm	14
7	**Vehicle, Road washing and other low end uses**			10
Total Water Requirement				**430**

Solid waste Generation

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)(including LIG)	2880	1440
2.	staff (@0.15 kg/day)	230	35
3.	Visitors (@0.15kg/day)	438	68
Total Solid waste generated			Approx. 1543 kg/day
Horticulture Waste (@ .0037 kg/m^2/day)			11 Kg/Day
E-Waste (0.15 kg/C/Yr)			< 1 Kg/Day

The case was presented by the PP and their consultant in the 271st SEAC meeting dated 02/03/2016 wherein in it was observed that the total fresh water requirement is 406 KLD and for conservation of water committee advised the PP should explore the possibility of providing dual plumbing. After presentation PP was asked to submit response on following quarries:

1. Revised plantation scheme with details of peripheral plantation.
2. Revised parking plan.

PP has submitted the reply of above issues raised during the 271st SEAC meeting dated 02/03/2016 vides letter 25/04/2016 which was placed before the committee.

The submissions made by the PP were found satisfactory and acceptable and hence the committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 406 KLD.
2. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
3. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 200 no of trees will be planned in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
5. Power back-up for un-interrupted operations of STP shall be ensured.
6. CFL/LED should be preferred over of tube lights.
7. Fund should be exclusively earmarked for the implementation of EMP.
8. MSW storage area should have 48 hours storage capacity.
9. Dual plumbing should be provided.
10. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
11. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
12. PP will obtain other necessary clearances/NOC from concerned authorities.
13. Revised plantation scheme and Revised parking plan, submitted by PP vides their letter dated 25/04/2016 should be implemented.

Case No. - 4976/2016 Shri Anurag Shrivastav, Executive Engineer, M.P. Housing and Infrastructure Development Board, Housing Board Plaza, Shopping Complex, A.B. Road, Indore (MP)-452011 ***Prior***

Environment Clearance for proposed High Rise Development (Apparel Park & Residential Block) Land Area-12747.60 sq.mt., Built-up Area-53157.6 sq.mt., at Khasra No.-148, 148/1653 & 151/1654, Village-Snehlataganj, Tehsil-Indore, District-Indore (MP)**For Building Construction. Env. Con.Mantras Green Resources Limited, Nasil. Case forworded by SEIAA vide letter No. 11281-82/ dtd. 16-02-16 rec. 19/02/16**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

Sr. No.	Particular	Commitment On
1.	Name of Project	**Proposed High Rise Development (Apparel Park & Residential Block) by Madhya Pradesh Housing and Infrastructure Development Board**
2.	Name, contact number & address of Proponent	**Shri. Anurag Shrivastav** **Executive Engineer ,** **Dn.Indore, Housing Board, Plaza (Shopping Complex),** **A.B Road, Indore,** **Madhya Pradesh.**
3.	Name, contact number & address of Consultant	**Mrs. Vaishali H.Tambat** **Executive Director** **Mantras Green Resources Ltd.** **Address: Flat no. 104, A wing Shantidham,** **Infront of Triveni Gardens, Adharwadi Jail Road,** **Adharwadichowk, Kalyan (W) -421301.** **Maharashtra, India.** **Mobile Number: 9867851056** **Email ID:** vaishali@mantrasresources.com

4.	Accreditation of consultant (NABET Accreditation)	**Sr. No. 104 in List of Accredited Consultant Organizations/ Rev. 39/08 March, 2016 for Building and large construction projects including shopping malls, multiplexes, commercial complexes, housing estates, hospitals, institutions etc.**
5.	Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others	**Apparel Park (Commercial) and Residential Blocks**
6.	Location of the project	**The project is located at KH. No. 148, 148/1653 & 151/1654, Snehalataganj, Indore Tehsil, & District, Madhya Pradesh**
7.	Whether in Corporation / Municipal / other area	**Indore Municipal Corporation**
8.	IOD/IOA/Concession document or any other form of document as applicable(Clarifying its conformity with local planning rules & provision)	**Approvals Received :** • **Building Layout Sanction by Deputy Director, Town and Country Planning Indore(M.P.) vide letter no. 10210 dated 29.12.2015** • **High rise clearance vides letter No. 6381/ High rise/ NGN/2015 dated 7.8.15 for height 24.0 mt and 42.0 mt.** • **Water NOC vide Letter No. 4897/15-16 Dated 28.12.2015** • **Solid waste Disposal NOC vide letter no. 2294 dated 19.10.2015 from Health Officer, Nagar Palik Nigam, Indore** • **Sewerage NOC from Drainage Department , Nagar Palik Nigam, Indore vide Letter No. 1556 Dated 18.1.2016**

<table>
<tr><td>9.</td><td>Note on the initiated work (If applicable)</td><td>No. Work is not initiated at site Ref Declaration Letter by MP Housing and Infrastructure Development Board, Indore, Madhya Pradesh</td></tr>
<tr><td>10.</td><td>Area Statement</td><td>The Area Statement for proposed project :
<table>
<tr><th>Sr.</th><th>Items</th><th>Details (in Sq.mt.)</th></tr>
<tr><td>1</td><td>Total Plot Area (Sq. m)</td><td>12,747.60</td></tr>
<tr><td>2</td><td>Area under Road Widening</td><td>969.00</td></tr>
<tr><td>3</td><td>Net Planning Area</td><td>11,778.60</td></tr>
<tr><td>4</td><td>Permissible Ground Coverage (30% of net plot Area)</td><td>3,533.58</td></tr>
<tr><td>5</td><td>Permissible FAR (on net planning area X 2)</td><td>23,557.20</td></tr>
<tr><td>6</td><td>On area under Road widening (969.00 X 2 X 2)</td><td>3876.00</td></tr>
<tr><td>7</td><td>Open Area(10%)</td><td>1,180</td></tr>
<tr><td>8</td><td>Total permissible Built-Up area</td><td>27,433.20</td></tr>
<tr><td>9</td><td>Apparel Park (Ready Made Garment manufacturing park)</td><td>10,393.40</td></tr>
<tr><td>10</td><td>Residential Area</td><td>29,452.28</td></tr>
<tr><td>11</td><td>Basement area (Lower basement of Residential Block + Upper basement of</td><td>13,312.08</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td>Commercial Block)</td><td></td></tr>
<tr><td>12</td><td>Total Construction Area</td><td>53,157.76</td></tr>
</table>
</td></tr>
<tr><td>11.</td><td>Estimated cost of the project</td><td>100 crores</td></tr>
<tr><td>12.</td><td>No. of building & its configuration(s)</td><td>The project involves the construction:
<table>
<tr><td></td><td>Items</td><td>Details (in Sq.mt.)</td></tr>
<tr><td></td><td>Base ment</td><td>2 basement common to both buildings</td></tr>
<tr><td></td><td>Resid ential</td><td>Block A : Stilt + 14 Floors + Service Floor – 3 BHK (98 Flats)
Block B: Stilt + 14 Floors + Service Floor – 2 BHK (94 Flats)
Height : 42.0 mtrs.</td></tr>
<tr><td></td><td>Com merci al</td><td>Apparel Park (Proposed Readymade Garment Manufacturing Park) in Gr. Floor to 5th Floor and upper residential Floor up to 7th Floor
Height : 24.0 mtrs</td></tr>
</table>
</td></tr>
<tr><td>13.</td><td>Occupancy</td><td>Residential: 1238 nos.
Commercial: 577 nos.
Total: 1815 nos.</td></tr>
<tr><td>14.</td><td>Height of the building(s)</td><td>Maximum height of Residential building = 42.0 m.
Maximum height of Apparel Park: 24.0 m.</td></tr>
<tr><td>15.</td><td>Right of way (Width of the road from the nearest fire station to the proposed building(s))</td><td>36.0 mt existing wide road and 7.5 mt road all around the building.</td></tr>
</table>

<table>
<tr><td>16.</td><td>Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</td><td>Turning radius for easy access of fire tender movement is 7.5 m.</td></tr>
<tr><td>17.</td><td>Total Water Requirement</td><td>Total Water Requirement: 226 KLD
Domestic Water Requirement: 115 KLD
Flushing : 79 KLD
Gardening: 1 KLD
Car wash, Road Cleaning and Misc: 32 KLD
Total Sewage Generated: 182 KLD
Treated Water available for recycling : 163 KLD
Recycled Water for Flushing and Gardening: 112 KLD
Excess treated sewage drained to sewer line: 51 KLD
During construction phase, sewage will be treated and disposed through septic tanks followed by soak pits.
The wastewater in operation phase will be treated up to tertiary level in a STP of 220 KLD capacity and 112 KLD treated sewage will be used for toilet flushing and horticulture and excess will be disposed to existing sewer line.</td></tr>
<tr><td>18.</td><td>Rain Water Harvesting (RWH)</td><td>
<table>
<tr><th>Type of Area</th><th>Area (in m^2)</th><th>Coefficient of run-off</th><th>Peak rainfall intensity during one hour of rainfall (in m)</th><th>Rain water harvesting potential/hour (in m^3)</th></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>Roof-top area</td><td>3076.26</td><td>0.8</td><td>0.025</td><td>61.5</td></tr>
<tr><td>Green Area</td><td>1180</td><td>0.1</td><td>0.025</td><td>3.0</td></tr>
<tr><td>Paved area</td><td>3876</td><td>0.6</td><td>0.025</td><td>58.1</td></tr>
<tr><td colspan="4">Total storm water load on the site with per hour retention is</td><td>122.6</td></tr>
<tr><td colspan="4">Considering 15 minutes retention time, total storm water load</td><td>30.7</td></tr>
<tr><td colspan="4">Taking the radius as 0.6m and effective depth as 1.2 m, volume of a RWH pit (π r2h)</td><td>9.0</td></tr>
<tr><td colspan="4">Hence no. of pits required in approx = Total storm water load considering 15 minutes retention time / Volume of a RWH pit</td><td>3</td></tr>
</table>
</td></tr>
<tr><td>19.</td><td>Storm water drainage</td><td>

Natural water drainage pattern: The storm water will be collected and conveyed through network of open drain system along the internal road as well as compound wall.
Quantity of storm water: 0.74 m^3/hr
Size of SWD: 0.6 m wide and 0.45 m depth

</td></tr>
<tr><td>20.</td><td>Sewage and Waste water</td><td>

Sewage generation : 182 KLD
Capacity of STP (KLD): Total capacity of STP is 220 KLD
STP technology: MBBR

</td></tr>
<tr><td>21.</td><td>Solid waste Management</td><td>The operations phase of the project the refuse generation rate as 0.5kg/Capita/day for residents, 0.25 Kg/Capita/day for staff and 0.15 Kg/Capita/day for visitors have been</td></tr>
</table>

		considered.

Nature and quantity	**Bio degradable**	**463.8 kg/day**
	Recyclable	**231.9 kg/day**
	Inert	**77.3 kg/day**
	Total:	**773 kg/day**
Collection and disposal	**Solid wastes generated will be segregated into b biodegradable components and collected in sep sludge from STP will be used as manure in hort waste will be treated in Organic Waste convert from Indore Municipal Corporation for the dis generated from the project site with ref.no. 229 Annexure 4 NOC for Solid Waste Disposal**	
Recycling	**Recyclable wastes comprising paper, plastic, gl prospective buyers.**	

22. **Green Belt Development**

Total RG area: On Ground 1177.86 sq.mt (10% of net Plot area)

Number & list of trees species to be planted in the ground : 82

List of Proposed Plantation for the scheme:

No.	Botanical Name	Common Name	Qty.	Characteristics & Ecological Importance
1	*Michelia champaca*	Sonchafa	3	-Evergreen tree. -Fragrant flowers blooms in spring
2	*Azadiracta indica*	Neem	5	-Fast growing tree grows up to 15-20 m height -Neem having antibacterial and antifungal activities

					-Used to control pests.
	3	***Albizia Lebbeck***	**Shirish**	**4**	**- It is mainly cultivated for shade and fragrant cream colored flowers.** **- In ancient culture, the flowers decorated as a crown to welcome victorious soldiers.**
	4	***Bauhinia racemosa***	**Apata**	**3**	**-Flowers rich in nectar and pollen attracts many varieties of butterflies and insects.** **-Leaves offered to each other during dushera**
	5	***Cassia fistula***	**bahava**	**4**	**-Popular ornamental plant and grows in tropical and sub tropical areas.** **- Have big canopy and help to give cool shed and reduce heat island effect.**
	6	***Ailanthus excelsa***	**Maharukh**	**3**	**-large deciduous tree, 18-25 m tall** **-Lepidopteron larvae feeds on the plant** **-Silk spinning moths lives on its leaves**
	7	***Ficus retusa***	**Nandruk**	**5**	**- Rapidly growing, evergreen woody plant** **-Pest resistance plant** **-Religious plant in hindus**
	8	***Mimusops elengi***	**Bakul**	**4**	**-Dense canopy provides cool shade.** **-sacred tree among hindus.**
	9	***Saraca asoka***	**Sita asoka**	**4**	**-Grows good in tropical region.** **-Long living and evergreen plant.**

10	***Neolamarckia cadamba***	**Kadamb**	**5**	**-Globe shaped orange scented flowers -Caterpillar species use this plant as food plant**
11	***Nyctanthes arbor-tritis***	**Parijatak**	**5**	**-Flowers scented, small and attractive blooms in night. -Tree is large shrub & provides good shade.**
12	***Largerstroemia flosregineae***	**Tamhan**	**5**	**-Large evergreen shrub, - Colorful flowers grows in bunches blooms in summer**
13	***Pongamia pinnata***	**Karanj**	**3**	**-Used for biodiesel production. -dried leaves used as insect repellent.**
14	***Murraya paniculata***	**Kunti**	**4**	**-Tropical evergreen plant bearing small white scented flowers, Plant is host for citrus psyllid**
15	***Gmelina arborea***	**Shivan**	**2**	**-Fast growing deciduous tree -Seasonal flowers blooms in Feb.-April resistant to termites**
16	***Caryota urens***	**Fish Tail Palm**	**2**	**-This species is a solitary-trunked tree -Monocarpic Plant**
17	***Putranjiva roxburghii***	**Putranjiva**	**2**	**- Evergreen tropical tree, Coriaceous leaves - Flowers are fasciculate and usually small**
	Total		**60**	

List of Shrubs proposed:

No.	**Botanical Name**	**Common Name**	**Qty.**	**Characteristics & Ecological Importance**
1	***Cassia auriculata***	**Tarwad**	**4**	**-Evergreen shrub suitable for landscaping roadways and home garden - Host plant for butterflies**

	2	***Cassia tora***	**Takala**	**5**	**-Plant grows wild and used as weed also** **-Medicinal plant**
	3.	***Plumbago zeylanica***	**White plumbago**	**5**	**- Herbaceous plant** **-Plant extracts shows potent mosquito larvicidal activity.**
	4.	***Adhatoda vasica***	**Adulsa**	**5**	**-Evergreen shrub grows up to 2-3 m** **-Medicinal plant**
	5.	***Vitex nigundo***	**Nirgudi**	**3**	**-Plant having insecticidal activity.** **-Medicinal plant**
		TOTAL		**22**	

23. **Energy**

Power Supply:

Connected Load: 2, 949.36 kw

Maximum demand: 1,768.96 kw

S. No.	Area	Estimated Connected Load (kW)	Overall Max. Demand (kW)
1.	Commercial – 153553.28sqft (Refer Annexure - A)	1686.56	1011.96
2.	Residential (2-BHK,3-BHK) – 416620.6sqft (Refer Annexure - B)	1262.80	757.00
3.	Say (transformer selection for overall)		33/11 3.15 MVA-02 no.
4.	Distribution Transformer		11/.415KV-750 KVA-03 no. for commercial. 11/.415KV-750 KVA - 02 no. for Residential
5..	Say (DG set selection)	For commercial	1X1250 KVA, 1X250

			KVA
		For Residential	2x1250 KVA

Energy saving measures:

- **Compact Fluorescent lamps will be used in place of incandescent and Halogen lamps in all common areas and basement parking.**
- **PVC insulated copper conductor cable will be used for wiring purpose.**
- **Solar water harvesting systems and solar powered street lights shall be used to conserve Energy.**
- **Roof insulation shall be planned to conserve energy.**
- **Glazed glass of U-factor of 0.36 will be used in the project. This absorbs approximately 30% to 45% of the solar radiation heat incident on the glass surface, depending on the tint and thickness. These glass panes will have high light transmission, but low solar heat inflow. This will reduce the quantity of heat flowing into the buildings, lessens cooling load and air conditioners and induces energy saving.**

- **Number and capacity of the DG sets to be used: Total No. of 4 DGs are proposed of total capacity 1x 250 KVA and 3x1250 KVA.**

24. **Environmental Management plan Budgetary Allocation:**

During Construction Phase:

S.No	Particulars	Rs. Lakhs	Remarks
1	Sanitary Facilities to workers	5.0	Cost incurred during construction period
2	Erosion & Sediment Control measures	1.5	
3	Safe disposal of muck & excavated material	1.5	
4	Safe disposal of construction spoils (Bituminous, oil materials, spoiled cement, etc)	2.0	
5	Dust control / noise attenuation screens	2.0	
6	Sprinkler arrangement for dust control	1.0	
7	Environmental supervisor, external expertise, etc	2.0	
	Sub total	15	
1	Sewage Treatment Plant & Rainwater Harvesting	100	Capital cost for EMP
2	Solid Waste management	5.0	
3	Plantation & Landscaping	30.0	

	4	DG set – Acoustic Enclosure & Stack	5.0	
	5	Monitoring of Air, water, wastewater, soil, etc	5.0	
		Sub total	145	
	1	Annual Maintenance of STP, DG sets, Greenbelt, landscapes, etc	25	Recurring cost during operation
	Capital Cost of the EMP is Rs.145 Lakhs & Recurring Cost is 25 Lakhs			

25. **Traffic Management**

Parking Statement -

For proposed Readymade Garments Manufacturing Park, per 50sq.m Built up area 1 car is required.

For Residential blocks, per 100 sq.m Built up area 1 car is required.

	Level	Required Car parking No's	Proposed Car parking no's	Proposed parking area (Sq.m)	Required Equivalent car space as per NBC/construction manual MoEF	Provided equivalent car space (sq.m)
Readymade Garment manufacturing park	Basement Parking Area (part upper basement)	1 parking per 50sq.m FAR	140	4,970 sq.m	Basement = 35 sq.m/car park Stilt= 30 sq.m/car park Open parking= 25 sq.m/car park	35.5
Residential Block	Basement Parking Area (part Lower basement)	1 parking per 50sq.m FAR	201	Basement parking (5,180sq.m)		34.8
				Stilt parking (1,620sq.m)		30.2
	Stilt Parking					

	Total			**341**			
26.	Distance from Ralamandal Sanctuary	**Ralamandal Sanctuary is situated at 11.28 km from project site.**					

The case was presented by the PP and their consultant in the 274th SEAC meeting 12/04/2016 wherein it was observed that total fresh water requirements for the project is proposed as 115 KLD. It was also submitted by the PP during presentation that sprinkling systems and smoke detectors are proposed in readymade garments manufacturing unit. Committee after presentation and deliberations asked PP to submit clarification/information on following issues raised during discussion:-

1. Revised car parking plan for at least 250 residents excluding readymade garments manufacturing area parking which is to be calculated separately.
2. Environmental impacts of this project on nearby Khan River?
3. An inventory of existing trees with their management plan.
4. PPs commitment that air cooled AC's will not be provided in readymade garments manufacturing area as it has been mentioned in the documents.
5. Worst case scenario be studied and provided w.r.t. readymade garments manufacturing area for water demand and its treatment.

PP has submitted the reply of above issues raised during the 274th SEAC meeting 12/04/2016 vides letter no.1050 dated 28/05/2016 which was placed before the committee.

The submissions made by the PP were found satisfactory and acceptable and hence the committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 115 KLD.
2. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
3. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of

species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 82 no of trees will be planned in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

4. 04 numbers of existing trees are proposed to be uprooted. Necessary permission should be obtained from the competent authority by the PP. In addition to proposed plantation 40 more trees are to be planted as compensatory plantation.
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. CFL/LED should be preferred over of tube lights.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. Dual plumbing should be provided.
11. As proposed, buffer zone of 30 meters should be maintained between the HFL of the Khan River and proposed project site. As proposed the PP will also will undertake plantation along the compound wall to act as physical barrier between the proposed building and river. PP will also ensure that no soil erosion takes place along the river banks on account of construction activity.
12. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
13. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
14. PP will obtain other necessary clearances/NOC from concerned authorities.