



भारत सरकार
पुनर्विकास परियोजना मंडल-1
केंद्रीय लोक निर्माण विभाग
विद्युत भवन, पहली मंजिल
नई दिल्ली - 110001

Govt. of India
Redevelopment Project Division-I
Central Public Works Department
Vidyut Bhawan, First Floor
New Delhi - 110001.



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फाइल संख्या 28(61b)/सेंट्रल विस्टा/ स्टील स्ट्रक्चर/के लो नि वि /2020-21/ 66

दिनांक: 23/06/2020

To,

The Member Secretary,
Infrastructure & Miscellaneous Projects & CRZ Committee (Infra-2)
Ministry of Environment, Forests & Climate Change,
Government of India,
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi-110003

Sub: Environmental Clearance of Project- Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road, adjacent to Asia House, KG Marg, New Delhi

Ref: Proposal No. IA/DL/MIS/140101/2020
ADS generated dated 29.05.2020

In reference to the above-mentioned project, we have proposed Offices for the Ministry of Defence at Old Curzon road, adjacent to Asia House, KG Marg, New Delhi. The total plot area of the project will be 22864.75 m² and the total built-up area will be 43423.79 m².

Since the total built-up area of the project is less than 1,50,000 m², the project falls under Activity 8(a), Category B as per the schedule of EIA Notification, 2006 and its subsequent amendments.

Our project was appraised in the 50th EAC (Infra II) Meeting where the project was recommended for Environment Clearance. An online ADS was generated dated 29.05.2020 for which we are hereby submitting the following documents:

1. Form-1
2. Form-1A
3. Form-2
4. Conceptual Plan

We would be obliged if the Environmental Clearance Letter will be issued at the earliest.

कार्यपालक इंजीनियर
पुनर्विकास परियोजना मंडल-1
Authorized Signatory

**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
by CPWD**

SECTION A: FORM 1

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Form-1

I. Basic Information

S. No.	Item	Details
1.	Name of the project/s	Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon Road Barracks, adjacent to Asia House, KG Marg, New Delhi
2.	S. No. in the schedule	8 (a)
3.	Proposed capacity/ area/length/ tonnage to be handled/ command area/ lease area/ number of wells to be drilled	Total Plot area – 22864.75 m ² Total Built up Area – 43423.79 m ²
4.	New/ Expansion/ Modernization	New
5.	Existing Capacity/ Area etc.	Not Applicable
6.	Category of Project i.e. 'A' or 'B'	B
7.	Does it attract the general condition? If yes, please specify.	Not Applicable
8.	Does it attract the specific condition? If yes, please specify.	Not Applicable
9.	Location	Latitude: 28°37'10.81"N Longitude: 77°13'31.56"E
	Plot/ Survey/ Khasra No.	Old Curzon Barracks Campus, Opposite Bhartiya Vidya Bhawan adjacent to Asia House, New Delhi
	Village	Connaught Place
	Tehsil	Connaught Place
	District	Delhi
	State	New Delhi
10.	Nearest railway station/ airport along with distance in kms.	Nearest Highway: NH-24-3.79 km SE Nearest Railway Station: Shivaji Bridge Railway Station -1.44 km N Nearest Airport: Safdarjung Airport-4.18 km SSW Nearest Metro Station: Mandi House Metro Station: 1.03 km NE

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11.	Nearest Town, city, District Headquarters along with distance in kms.	The project is in Delhi city itself.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	New Delhi Municipal Council Contact Address: Palika Kendra Parliament Street, New Delhi, Delhi 110001
13.	Name of the applicant	CPWD (Central Public Works Department)
14.	Registered Address	Room no 140, Vidyut Bhawan near Shankar Bhawan New Delhi
15.	Address for correspondence:	
	Name	Mr. Akhelesh Kumar
	Designation (Owner/Partner/CEO)	Executive Engineer and Senior Manager-1
	Address	Room no 140, Vidyut Bhawan near Shankar Bhawan New Delhi
	Pin Code	110001
	E-mail	delaec-rpd1@cpwd.gov.in
	Telephone No.	9990055028
	Fax no.	23411742
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	No alternative site has been examined
17.	Interlinked Projects	Not applicable
18.	Whether a separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	No, it is not an interlinked project.
21.	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. The Forest (Conservation) Act, 1980? The Wildlife (Protection) Act, 1972? The C.R.Z. Notification, 1991?	Not Applicable Not Applicable Not Applicable

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22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	No
23.	Forest land involved (hectares)	Not applicable
24.	Is there any litigation pending against the project and/ or land in which the project is proposed to be set up? Name of the Court Case No. Orders/ directions of the Court, if any and its relevance with the proposed project.	No Not applicable Not applicable Not applicable

II. Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	As per notification by Ministry of Urban Development, Govt. of India dated 13.06.2016, the land use of the proposed project has been changed from Residential use to Government (Government Office). The land has been handed over by the Land & Development Office, Govt. of India to CPWD vide letter no. L&DO/L-II-A/11(1158)/2019/162 dated 25.02.2020 for the development of the proposed offices. Proof of the same has been annexed in Section-F. Hence, there will be no change in land use. However the land cover will change from vacant land to government offices.
1.2	Clearance of existing land, vegetation and buildings?	No	No, there will be no clearance of existing land, vegetation and buildings. There are 78 trees present on the site but the building design has been planned so that no tree will be cut.
1.3	Creation of new land uses?	No	No creation of new land uses.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Pre-construction soil investigation will be done.
1.5	Construction works?	Yes	Construction will be done as per Master Plan of Delhi.
1.6	Demolition works?	No	No demolition will be required.

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1.7	Temporary sites used for construction works or housing of construction workers?	No	During the construction phase workers will be hired from the nearby areas hence there will be no need of providing housing.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	The building height will be elevated upto height of 38 m. Approx. 1700 m ² soil will be excavated for foundation. Out of which, topsoil will be preserved at designated places to use for landscaping purposes while the rest of it will be reused for levelling and maintenance of plinth level.
1.9	Underground works including mining or tunneling?	No	It is a construction project, hence no underground works including mining or tunneling works will be required. Neither any further excavation work will be done.
1.10	Reclamation works?	No	Not applicable
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	No	It is an office complex so no manufacturing or production should be carried out.
1.14	Facilities for storage of goods or materials?	Yes	<p>During Construction Phase:</p> <ul style="list-style-type: none"> ● Separate raw material yards will be made within the project site. ● Cement will be separately stored under cover bales. ● Sand will be stacked nearby under tarpaulin cover. <p>Operational Phase:</p> <p>As it is an office complex , the raw materials used will be stationary goods, food items etc. which will be stored in respective storage rooms.</p>
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>During Construction phase:</p> <p>Solid waste during the construction phase will be 15 kg/day that will be disposed of at the NDMC site.</p> <p>Approx. 4 KLD wastewater generated will be discharged to septic tanks that will be cleaned regularly.</p> <p>During Operation Phase:</p> <p>762 kg/day of total waste will be generated from the complex. Out of which, 304 kg/day of biodegradable waste will be treated in Organic Waste Converter to get converted to manure. 229 kg/day non-biodegradable</p>

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			<p>waste and 229 kg/day recyclable waste will be sent to authorised recyclers.</p> <p>205 KLD wastewater will be generated that will be treated in STP of capacity 250 KLD. 185 KLD treated wastewater will be completely reused in the complex for purposes like flushing , gardening and cooling purposes.</p> <p>Details of solid waste management and waste water management are given in Section-D.</p>
1.16	Facilities for long term housing of operational workers?	No	<p>During Construction phase: The workers during the construction phase will be hired from the nearby areas and hence there is no need of providing long term housing. Only temporary day rest areas will be provided.</p> <p>During Operation Phase: As this is an office complex, staff will be hired for offices. No housing will be required.</p>
1.17	New road, rail or sea traffic during construction or operation?	No	No new road, rail etc. will be proposed however, existing transportation facilities will be used during the construction or operation phase.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	<p>Nearest Highway: NH-24-3.79 km SE (Delhi to Lucknow) Approach Road- Kasturba Gandhi Marg- Adjacent to the project site</p> <p>Nearest Railway Station: Shivaji Bridge Railway Station-1.44 km N</p> <p>Nearest Airport: Safdarjung Airport-4.18 km SSW</p>
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not Applicable
1.20	New or diverted transmission lines or pipelines?	No	Not Applicable
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not Applicable
1.22	Stream crossings?	No	Not Applicable

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1.23	Abstraction or transfers of water from ground or surface waters?	No	No groundwater abstraction is proposed. During Construction Phase: Treated water from NDMC wastewater treatment supply line will be taken. During Operation Phase: The ultimate source of water will be New Delhi Municipal Council (NDMC).
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in water bodies or the land surface effective drainage or run-off.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During Construction phase: Materials during the construction phase will be transported by truck, trolley etc. During Operation Phase: Trucks, cars, two-wheelers, etc. will be used for transport.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not Applicable
1.28	Influx of people to an area in either temporarily or permanently?	Yes	During Construction phase: Temporarily influx of people in the form of labor during the construction phase will be envisaged. Approx. 100 no. of local labor will be employed during the construction phase. During Operation Phase: Influx of 5080 nos. of people per day (Visitors: 240 and Staff: 4840) has been envisaged.
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	There will not be any loss of native species at the site. However, plantation of native plants will be proposed within the site which will have positive impacts.
1.31	Any other actions?	No	Not Applicable

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Presently, the land is an undeveloped land. Land belongs to the Directorate of Estates. Hence, there will be development of office complexes from undeveloped land.
2.2	Water (expected source & competing users) unit: kLD	Yes	During Construction phase: Water will be sourced from treated water from NDMC wastewater treatment supply line will be taken as per the requirement. During Operation Phase: The ultimate source of water is New Delhi Municipal Council (NDMC). The total water requirement of the project will be 307 KLD. Out of which, 122 KLD fresh water supply will be sourced by NDMC. Detailed Water Management & Water Balance are given in Section-D.
2.3	Minerals (MT)	No	Not applicable

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2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	<p>Steel Building using Pre Engineered construction technology shall be constructed. Pre Engineered building using bare minimum wet construction, RCC foundation as per design. The list of some of the material are given below:</p> <table border="1" data-bbox="778 405 1485 887"> <thead> <tr> <th>Sr. No.</th> <th>Material</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Glass</td> </tr> <tr> <td>2.</td> <td>Pipe & Steel</td> </tr> <tr> <td>3.</td> <td>Cement</td> </tr> <tr> <td>4.</td> <td>Insulation Material</td> </tr> <tr> <td>5.</td> <td>RMC</td> </tr> <tr> <td>6.</td> <td>ACP</td> </tr> <tr> <td>7.</td> <td>Aluminum Work</td> </tr> <tr> <td>8.</td> <td>Tiles</td> </tr> <tr> <td>9.</td> <td>Granite</td> </tr> <tr> <td>10.</td> <td>Gypsum</td> </tr> <tr> <td>11.</td> <td>Hardwood door frames/MDF/Ply</td> </tr> </tbody> </table> <p>The building will be G+8 constructed using Pre-Engineered Building technology in which steel sections are fully fabricated in a controlled environment in the factory after designing and shipped to site in completely knocked down (CKD) condition; and all components are assembled and erected at site with nut-bolts, thereby reducing the time of completion.</p>	Sr. No.	Material	1.	Glass	2.	Pipe & Steel	3.	Cement	4.	Insulation Material	5.	RMC	6.	ACP	7.	Aluminum Work	8.	Tiles	9.	Granite	10.	Gypsum	11.	Hardwood door frames/MDF/Ply
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2.5	Forests and timber (source – MT)	Yes	Steel for doors & windows to be used will be procured from the local nearby market.																								
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	<p>Source of Electricity – New Delhi Municipal Council (NDMC)</p> <p>Total Power Load- 2159 kW</p> <p>G.G. Sets (For Power Back-up purposes) - 1 x 1500 kVA</p>																								
2.7	Any other natural resources (use appropriate standard units)	No	Not applicable																								

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	Since the project is an office complex. Hence, no hazardous substance/materials will be used. However, only a gas pipeline will be present that will be sourced from NDMC.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Suitable drainage and waste management measures will be adopted that will restrict stagnation of water or accumulation of water. This will effectively restrict the reproduction and growth of disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	During Construction phase: Employment opportunities will be generated in the area due to the project which will lead to better quality of life. Moreover, this project will provide employment to about 100 local laborers during the construction phase.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	No vulnerable group of people will be affected by the project.
3.5	Any other causes	No	None

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes.	No	Not applicable
4.2	Municipal waste (domestic and or Residential wastes)	Yes	During Construction phase: Solid waste during the construction phase will be 15 kg/day which will be disposed of to NDMC site. During Operation Phase: Total 762 kg/day of solid waste will be generated from the complex. Out of which, 304 kg/day biodegradable waste will be treated in Organic Waste Converter to get converted to manure. 229 kg/day non-biodegradable waste and 229 kg/day plastic waste will be sent to authorised recyclers.

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			Detailed Solid Waste Management is given Section-D.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	<p>During Construction phase: Used oil whenever generated from GG Sets will be kept in a leak proof container in an isolated area and given to the approved recycler.</p> <p>During Operation Phase: There will be no used oil generation because gas based generators will be used.</p>
4.4	Other industrial process wastes	No	Not Applicable
4.5	Surplus product	No	Not applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	15 kg/day of dried sludge will be generated from STP within the complex and this sludge will be passed through a filter press where it will be dewatered/ dried to form a cake and then used as manure in green areas.
4.7	Construction or demolition wastes	Yes	Construction waste will be used for flooring & back-filling of roads, etc.
4.8	Redundant machinery or equipment	No	Not applicable
4.9	Contaminated soils or other materials	No	Not applicable
4.10	Agricultural wastes	No	Not applicable
4.11	Other solid wastes	Yes	E-waste of 2 kg/month will be collected and given to the approved recycler of CPCB.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/hr)

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	<p>During Construction phase: The only source of emissions from combustion of fossil fuel from the DG Sets of capacity 1x125 kVA. Hence, to avoid the emissions, appropriate stack height will be maintained as per norms.</p> <p>During Operation Phase: There will be least emissions as gas based generator sets will be used. For GG Sets, Stack height of 30 m above ground level will be maintained to avoid emissions. Gas pipeline sourced from NDMC will be used for operation of the same. Appropriate measures will be taken to prevent any mishap.</p>

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5.2	Emissions from production processes	No	Not applicable
5.3	Emissions from materials handling including storage or transport	Yes	Dust will be generated during construction from movement of transport vehicles & other construction activities. The material will be covered during transportation to reduce the impact of emissions. The effect will be restricted to the construction phase only.
5.4	Emissions from construction activities including plant and equipment	Yes	<ul style="list-style-type: none"> ● Pre Engineered building has been designed using bare minimum wet construction, RCC foundation. ● The floor system shall consist of galvanized steel deck system overlaid with reinforced concrete. ● Movement of trucks will be restricted to construction areas. They will bring raw material with tarpaulin cover. Trucks will leave the site after getting types washed. ● Sprinkling will be done at every three-hour interval during summers. During winter the interval of sprinkling will be once a day. ● As the machines operate 12 hours a day hence it will be weekly maintained to reduce air emissions from it. ● GG sets of 1 × 1500 kVA (having stack height 30 m above ground level) will be installed at the surface. Presently on the road opposite the site the existing traffic density is 770 PCU/day on 7 m wide road. Parking provision of 785 ECS has been proposed on the surface. Hence, there will be no shortage of parking space for vehicles. Apart from this separate entry and exit gates will be provided to regulate smooth traffic movement in the complex.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	During loading & unloading of construction material dust is likely to be generated during the construction phase. Water will be sprinkled and tarpaulin cover will be provided over stored raw material to reduce dust emission. Toilets will be provided during the construction phase & waste water will be discharged to septic tanks that will be cleaned regularly.
5.6	Emissions from incineration of waste.	No	No incineration has been proposed at the site. Hence, no emissions from incineration of waste will be generated.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris).	No	Open burning of biomass/ other material will be prohibited.
5.8	Emissions from any other sources.	No	None

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S.No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	<p>During Construction phase: DG sets of capacity 1×125 kVA will be the source of noise & vibration. The equipment such as mixer machines, and cranes, will be used which will be of the highest standard of reputed make and adhere to international standards. Hence, an insignificant impact due to construction machinery is envisaged. Apart from this, the construction activities will be restricted to daytime only and timely maintenance of machinery will be ensured.</p> <p>During Operation Phase: The source of noise will be G.G. Sets of capacity 1×1500 kVA. The G.G. Sets will be bought acoustically enclosed and kept on the surface. They will be used during power failure only. Stack Height of 30 m above ground level will be provided. Ambient Noise Level when GG sets lies between 80-100 dB (A).</p>
6.2	From industrial or similar processes	No	Not applicable
6.3	From construction or demolition	Yes	Due to the various activities there are short-term noise impacts in the immediate vicinity of the project site. These will be restricted to day time only. It has been estimated that during the construction period the average noise level will be 80-100 dB (A) during peak construction hours. However, embankment will be done to further prevent the noise pollution.
6.4	From blasting or piling	No	No blasting or piling will be done.
6.5	From construction or operational traffic	Yes	Some amount of noise 70 – 75 dB (A) will be generated from vehicular movement in the construction and operational phase. Plantation around the boundary wall will be done to reduce noise from traffic.
6.6	From lighting or cooling systems	No	None
6.7	From any other sources	No	None

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	There will be no generation of used oil as gas based generators will be used for power backup.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	The total wastewater generated will be 205 KLD which will be treated in STP of capacity 250 KLD. 185 KLD treated wastewater will be completely reused in the complex for flushing, gardening and cooling. It will be a Zero-Liquid Discharge Complex.
7.3	By deposition of pollutants emitted to air into the land or into water	No	None
7.4	From any other sources	No	Not applicable
7.5	Is there a risk of long-term buildup of pollutants in the environment from these sources?	No	Not applicable

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment.

S. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	Yes	During Construction Phase: There will be no production of hazardous waste except generation of used oils from DG sets is anticipated. Proper management of used oils will be done. Besides, all appropriate measures will be taken to avoid accidents. During Operation Phase: There will be no generation of used oil as gas based generators will be used.
8.2	From any other causes	Yes	During Construction Phase: All the laborers will be provided with suitable personal protective equipment (PPE) as required under the health & safety norms. Training and awareness about the safety

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			norms will be provided to all supervisors and laborers involved in construction activity.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	The area under study falls in Seismic zone IV, according to the Indian Standard Seismic Zoning Map. Suitable seismic coefficients in horizontal and vertical directions respectively, will be adopted while designing the structure.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting cities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • Housing development • Extractive industries • Supply industries • Other 	No No No No No	Not applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
9.2	Lead to after-use of the site, which could have an impact on the environment	No	The proposed project will be implemented as per the proposed Environment Management Plan. Hence, no environmental adverse impact will be anticipated from the project.
9.3	Set a precedent for later developments	Yes	Not applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	No impact

III. Environmental Sensitivity

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
by CPWD**

S. No	Areas	Name/ Identity	Aerial distance (within 15 km.) from Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	ASI Monuments List Attached Separately Structures of National Importance India Gate Parliament of India Supreme Court of India Rashtrapati Bhawan Okhla Bird Sanctuary Asola Wildlife Sanctuary ESZ	ASI Monuments List Attached Separately 0.82 km S 1.63 km NNW 2.50 km SE 2.53 km NW 9.79 km SE 12.23 km SSE
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Water Bodies Old Fort Lake Bangla Sahib Sarover Yamuna River Drain near Pant Nagar Drain near Pandav Nagar Sanjay Lake Eastern Yamuna Canal Deer Park Pond Najafgarh Drain Hauz Khas Tank Pond near Seelampur Pond near Usman Nagar Drain near Himmatpuri Drain near Usman Nagar Hinden Cut Drain near Nayabas Pond near Shyam Nagar Forest Central Ridge Reserve Forest Northern Ridge Reserve Forest	1.60 km SE 1.71 km NW 2.87 km E 4.25 km SSE 5.20 km E 6.29 km SEE 7.29 km NE 7.42 km SSW 7.76 km NNW 7.76 km SSW 7.85 km NE 7.90 km NNE 8.17 km SEE 8.18 km NNE 8.36 km SEE 8.66 km SE 9.40 km SSE 3.03 km NNW 5.70 km NNW
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	Okhla Bird Sanctuary Asola Wildlife Sanctuary ESZ	9.79 km SE 12.23 km SSE
4	Inland, coastal, marine or underground waters	None	None
5	State, National boundaries	U.P. State Boundary Haryana State Boundary	9.77 km SE 14.30 km SSE

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6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	<p>Road Kasturba Gandhi Marg NH-24 (New Delhi to Lucknow) NH-2 (New Delhi to Kolkata) NH-8 (New Delhi to Mumbai) NH-10 (New Delhi to Fazilka) NH-236 (New Delhi to Gurugram)</p> <p>Railway/Metro Station Central Secretariat Metro Station Tilak Bridge Railway Station Shivaji Bridge Railway Station Pragati Maidan Metro Station Shivaji Stadium Metro Station Indraprastha Metro Station NewDelhi Railway Station Hazrat Nizamuddin Railway Station Sadar Bazar Railway Station Old Delhi Junction Railway Station Sarai Rohilla Railway Station Okhla Railway Station Delhi Cantonment Railway Station Sakur Basti Railway Station</p> <p>Airport Safdarjung Airport Indira Gandhi International Airport</p>	<p>Adjacent to project site 3.79 km SE 6.11 km SE 6.40 km SW 10.24 km NW 13.49 km SW</p> <p>1.30 km SW 1.35 km NE 1.44 km N 1.58 km NE 1.60 km NW 2.26 km E 2.72 km NNW 4.30 km SE 4.35 km NNW 4.52 km N 6.06 km NW 7.68 km SE 10.66 km SWW 11.21 km NW</p> <p>4.18 km SSW 14.05 km SW</p>
7	Defense installations	Indian Airforce Headquarter	1.56 km SW
8	Densely populated or built-up area	Mandi House	0.78 km NE

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	<p>Hospital Shroff Eye Centre, Connaught Place, Surya Kiran Building, K,G,Marg, New Delhi Freemason's Polyclinic, Janpath, Connaught Place, New Delhi. General Williams Hospital, Atul Grove Road, Janpath, Connaught Place, New Delhi</p> <p>Post Office e-Post Office, Sansad Marg, Head Post Office, New Delhi India Post, Dak Bhawan, Sansad Marg, New Delhi New Delhi GPO, Gol Dak Khana Building, near Gurudwara Bangla Sahib, New Delhi</p> <p>Place of Worship Shri bangla Sahib Gurudwara, Hanuman Road Area, Connaught Place, New Delhi Jesus Calls Prayer Tower, CNI Building, 16, Pandit Pant Marg, New Delhi Dargah Sharif Hazrat Baba Sayyad Nanhe Chisti, Mandi House, New Delhi</p> <p>School Bhartiya Vidya Bhavan's Mehta Vidyalaya, K.G.Marg, New Delhi JawaharLal Nehru Academy of language, K.G.Marg, Mandi House, New Delhi P&T Senior Secondary School, Atul Grove Road, Connaught Place, New Delhi</p> <p>Bank Kotak Mahindra Bank. K.G.Marg, Janpath, Barakhanba, New Delhi. IDBI Bank, Surya Kiran Building, Kasturba Gandhi Marg, New Delhi. Bank of Baroda, K.G.Marg, Janpath, Connaught Place, New Delhi</p>	<p>0.86 km NNW</p> <p>0.97 km NW</p> <p>0.98 km NW</p> <p>1.15 Km NW</p> <p>1.17 km NW</p> <p>1.91 km NW</p> <p>1.62 km NW</p> <p>1.73 km NWW</p> <p>0.85 km NE</p> <p>0.08 km NEE</p> <p>0.34 km NNW</p> <p>0.54 km NNW</p> <p>0.77 km NNW</p> <p>0.86 km NNW</p> <p>0.87 km NNW</p>
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Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
by CPWD**

10.	Areas containing important, high quality or scarce resources (Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	<p>ASI Monuments List Attached Separately</p> <p>Water Bodies Purana Qila Lake Bangla Sahib Sarover Yamuna River Drain near Pant Nagar Drain near Pandav Nagar Sanjay Lake Eastern Yamuna Canal Deer Park Pond Najafgarh Drain Hauz Khas Tank Pond near Seelampur Pond near Usman Nagar Drain near Himmatpuri Drain near Usman Nagar Hinden Cut Drain near Nayabas Pond near Shyam Nagar</p> <p>Forest Central Ridge Reserve Forest Northern Ridge Reserve Forest</p>	<p>ASI Monuments List Attached Separately</p> <p>1.60 km SE 1.71 km NW 2.87 km E 4.25 km SSE 5.20 km E 6.29 km SEE 7.29 km NE 7.42 km SSW 7.76 km NNW 7.76 km SSW 7.85 km NE 7.90 km NNE 8.17 km SEE 8.18 km NNE 8.36 km SEE 8.66 km SE 9.40 km SSE</p> <p>3.03 km NNW 5.70 km NNW</p>
11	Areas already subjected to pollution or environmental damage. (Those where existing legal environmental standards are exceeded)	Anand Parvat Naraina Okhla Wazirpur	6.91 km NW 8.47 km NWW 8.95 km SE 10.51 km NW
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	-	Area falls in seismic zone IV.

"I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost".



(Akhelesh Kumar)

Executive Engineer & Senior Manager-I

कार्यपालक इंजीनियर
पुनर्विकास परियोजना मण्डल-1
के.लो.नि.वि., नई दिल्ली

**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
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SECTION B: FORM 1A

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

FORM-1 A

CHECK LIST OF ENVIRONMENTAL IMPACTS

(Project proponents are required to provide full information and wherever necessary attach explanatory notes with the Form and submit along with proposed environmental management plan & monitoring programme)

1. LAND ENVIRONMENT

<p>1.1</p>	<p>Will the existing land use get significantly altered from the project that is not consistent with the surroundings? (Proposed land use must conform to the approved Master Plan / Development Plan of the area. Change of land use if any and the statutory approval from the competent authority be submitted).</p> <p>Attach Maps of</p> <ul style="list-style-type: none"> i. Site location ii. Surrounding features of the proposed site (within 500 meters) iii. The site (indicating levels & contours) to appropriate scales. If not available, attach only conceptual plans. 	<p>As per notification by Ministry of Urban Development, Govt. of India dated 13.06.2016, the land use of the proposed project has been changed from Residential use to Government (Government Office). Hence, there will be no change in land use.</p> <p>The site location shown on Google Maps is enclosed in Section C.</p> <p>Map showing the vicinity around the site is enclosed as Section C.</p> <p>The conceptual plan is enclosed as Section C.</p>
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Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

1.2	<p>List out all the major project requirements in terms of the</p> <p>Land area,</p> <p>Built-up area</p> <p>Water consumption</p> <p>Power requirement</p> <p>Connectivity</p> <p>Community facilities</p> <p>Parking needs etc.</p>	<p>22864.75 m²</p> <p>43423.79 m²</p> <p>307 KLD</p> <p>2159 kW</p> <p>Nearest Highway: KG Marg- Adjacent to the proposed site (In the Right side to entry of the site) NH-24-3.79 km SE</p> <p>Nearest Railway Station: Shivaji Bridge Railway Station -1.44 km N</p> <p>Nearest Airport: Safdarjung Airport-4.18 km SSW</p> <p>Nearest Metro Station: Mandi House Metro Station: 1.03 km NE</p> <p>-</p> <p>Parking Requirement : 780 ECS Parking Provision : 785 ECS</p>
1.3	<p>What are the likely impacts of the proposed activity on the existing facilities adjacent to the proposed site?</p> <p>(Such as open spaces, community facilities, details of the existing land use, and disturbance to the local ecology).</p>	<p>The entire project influenced area will be developed as per Master Plan, thus no induced development will be foreseen due to the proposed project.</p> <p>The proposed project will generate additional direct and indirect employment opportunities for local people. The employment will have a positive impact thereby increasing the quality of life.</p>

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1.4	<p>Will there be any significant land disturbance resulting in erosion, subsidence & instability? (Details of soil type, slope analysis, vulnerability to subsidence, seismicity etc. may be given).</p>	<p>Since the proposed project is a non-basement office complex. Minimum excavation of soil for foundation will only be done. Hence, there will not be any land disturbance which could result in erosion, subsidence & instability.</p> <p>Soil Type: Silt Clay Loam</p> <p>Slope Analysis: The project area possesses fairly plain terrain.</p> <p>Erosion / Subsidence: Proper greening & paving of the area will not cause any soil erosion problem and subsidence.</p> <p>Seismicity: The area under study falls in Seismic zone IV according to the Indian Standard Seismic Map.</p>
1.5	<p>Will the proposal involve alteration of natural drainage systems? (Give details on a contour map showing the natural drainage near the proposed project site)</p>	<p>The proposed project will not cause any alteration of the natural drainage system.</p>
1.6	<p>What are the quantities of earthwork involved in the construction activity cutting, filling, reclamation etc. (Give details of the quantities of earthwork involved, transport of fill materials from outside the site etc.)</p>	<p>Approx. 1700 m² will be excavated for foundation purposes for development of the same.</p>

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

1.7	Give details regarding water supply, waste handling etc. during the construction period.	<p>Water Supply: During the construction stage, water will be sourced through NDMC wastewater treatment supply line as per requirement.</p> <p>Waste Generation/Handling: Spillage of oil from the machinery or cement residual from concrete mixer plants will be properly collected and reused at the construction site. For construction labor, toilet facilities will be provided.</p>
1.8	Will the low-lying areas & wetlands get altered? (Provide details of how low lying and wetlands are getting modified from the proposed activity)	No low-lying and wetlands area is present in and around the project site.
1.9	Whether construction debris & waste during construction cause health hazard? (Give quantities of various types of wastes generated during construction including the construction labour and the means of disposal)	<p>The construction waste generated from the project will not cause any health hazards to associate and nearby populations. Waste concrete will be reused as aggregate in the construction process.</p> <p>Mobile Toilets will be used by laborers during the construction. The sewage and wastewater generated will be discharged to septic tanks that will be cleaned regularly.</p>

2. WATER ENVIRONMENT

2.1	<p>Give the total quantity of water requirement for the proposed project with the breakup of requirements for various uses.</p> <p>How will the water requirement be met?</p> <p>State the sources & quantities and furnish a water balance statement.</p>	<p>The total quantity of water requirement will be 307 KLD out of which 122 KLD fresh water will be met by New Delhi Municipal Council (NDMC) and 185 KLD treated wastewater generated from the STP of capacity 250 KLD will be used to meet the requirement.</p> <p>Domestic : 122 KLD</p> <p>Flushing : 100 KLD</p> <p>Gardening : 5 KLD</p> <p>Cooling : 80 KLD</p> <p>Total Water Requirement: 307 KLD</p> <p>Fresh Water requirement: 122 KLD</p> <p>Waste Water Generation: 205 KLD</p> <p>Details have been given in Section D</p>
2.2	<p>What is the capacity (dependable flow or yield) of the proposed source of water?</p>	<p>New Delhi Municipal Council (NDMC) will supply water to the Office Complex and it will be a dependable source of water.</p>
2.3	<p>What is the quality of water required, in case, the supply is not from a municipal source? (Provide physical, chemical, biological characteristics with class of water quality)</p>	<p>In case, NDMC supply is not made or the supply is inadequate then the water complying with IS – 10500 standards shall be arranged.</p>
2.4	<p>How much of the water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)</p>	<p>185 KLD treated wastewater generated from STP (250 KLD) will be completely reused within the complex for flushing, gardening and cooling. It will be a Zero-Liquid Discharge Project.</p>

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2.5	<p>Will there be diversion of water from other users? (Please assess the impacts of the project on other existing uses and quantities of consumption)</p>	<p>There will not be any substantial effect on water demand of this region as the development will be as per the development plan.</p>
2.6	<p>What is the incremental pollution load from wastewater generated from the proposed activity? (Give details of the quantities and composition of wastewater generated from the proposed activity)</p>	<p>185 KLD treated wastewater generated from STP (250 KLD) will be completely reused within the complex for flushing, gardening and cooling. It will be a Zero-Liquid Discharge Project.</p>
2.7	<p>Give details of the water requirements met from water harvesting? Furnish details of the facilities created.</p>	<p>5 number of rainwater harvesting pits will be provided in the complex for recharge of underground water. (Details of RainWater Harvesting has been given in Section-D)</p>
2.8	<p>What would be the impact of the land use changes occurring due to the proposed project on the runoff characteristics (quantitative as well as qualitative) of the area in the post construction phase on a long-term basis? Would it aggravate the problems of flooding or water logging in any way?</p>	<p>There will be no change in land use due to the project as there will be provision of 5 no. of rainwater harvesting pits for recharging of groundwater. Hence, there will be no change in run-off characteristics as ample recharge provisions will be given to prevent the same. No, it will not aggravate problems of flooding or water logging in any way.</p>
2.9	<p>What are the impacts of the proposal on the ground water? (Will there be tapping of groundwater; give the details of ground water table, recharging capacity, and approvals obtained from competent authority, if any)</p>	<p>No ground-water extraction is required. However ground-water recharging will be done through 5 no. of rain water harvesting pits (Capacity- 3.5m x 3.5m x 4 m). So, there will be a positive impact on ground-water level.</p>

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by CPWD**

2.10	<p>What precautions/measures are taken to prevent the run-off from construction activities polluting land & aquifers? (Give details of quantities and the measures taken to avoid the adverse impacts)</p>	<p>During the construction phase, runoff from the construction site will be collected in tanks using garland drains which will then be reused in the complex for construction purposes.</p>
2.11	<p>How is the storm water from within the site managed? (State the provisions made to avoid flooding of the area, details of the drainage facilities provided along with a site layout indication contour levels)</p>	<p>Storm water from within the site will be channelized to 05 no. of rain water harvesting pits to recharge the ground-water.</p>
2.12	<p>Will the deployment of construction laborers particularly in the peak period lead to unsanitary conditions around the project site (Justify with proper explanation)</p>	<p>Unsanitary conditions are probable due to labourers during the construction phase. To prevent such circumstances, proper disposal of municipal solid waste and wastewater will be done. Mobile toilets will be provided for the same. Approx. 10 kg/day of municipal solid Waste will be sent to the NDMC site. 4 KLD wastewater will be discharged to septic tanks that will be cleaned regularly. .</p>
2.13	<p>What on-site facilities are provided for the collection, treatment & safe disposal of sewage? (Give details of the quantities of wastewater generation, treatment capacities with technology & facilities for recycling and disposal)</p>	<p>During Construction Phase: Mobile toilets will be provided at the site for construction labourers. 4 KLD of sewage generated will be discharged to septic tanks that will be cleaned regularly.</p> <p>During Operation Phase: 205 KLD wastewater will be treated in STP (Capacity-250 KLD). 185 KLD treated wastewater generated from STP will be reused completely within the premises for flushing, gardening and cooling. It will be a Zero-Liquid Discharge Project.</p>

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

2.14	Give details of the dual plumbing system if treated waste used is used for flushing of toilets or any other use.	Dual Plumbing lines will be provided in the complex.
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3. VEGETATION

3.1	<p>Is there any threat of the project to biodiversity? (Give a description of the local ecosystem with its unique features, if any)</p>	<p>Core Zone: There are 78 no. of trees present in the proposed site that will be retained.</p> <p>Buffer Zone: There are the following wildlife sanctuaries within a 15 km radius of the project site.</p> <ol style="list-style-type: none"> 1. Okhla Bird Sanctuary- 9.79 Km SE 2. Asola Wildlife Sanctuary ESZ - 12.23 km SSE <p>Major species found in the buffer area are-:</p> <table border="1" data-bbox="746 1059 1520 1263"> <tr> <td>Shisham</td> <td>Champak</td> <td>Chhota</td> <td>Gulmohar</td> </tr> <tr> <td>Pilkhan</td> <td>Arjun</td> <td>Champa</td> <td>Ashoka</td> </tr> <tr> <td>Ficus</td> <td>Dhayti</td> <td>Madhu</td> <td>Roheda</td> </tr> </table> <p>The proposed government office complex will be developed taking into consideration the biodiversity of nearby wildlife sanctuary.</p>	Shisham	Champak	Chhota	Gulmohar	Pilkhan	Arjun	Champa	Ashoka	Ficus	Dhayti	Madhu	Roheda
Shisham	Champak	Chhota	Gulmohar											
Pilkhan	Arjun	Champa	Ashoka											
Ficus	Dhayti	Madhu	Roheda											
3.2	<p>Will the construction involve extensive clearing or modification of vegetation? (Provide a detailed account of the trees & vegetation affected by the project)</p>	<p>There will be no clearing/modification of vegetation in the proposed site as the building has been designed taking in consideration the substantial amount of trees present on the site.</p>												
3.3	<p>What are the measures proposed to be taken to minimize the likely impacts on important site features? (Give details of proposal for tree plantation, landscaping, creation of water</p>	<p>There will not be any adverse impact of this project on site features.</p> <p>The Shelter belt for the proposed project will be provided for a clean, healthy and beautiful green environment for the people to live in within the proposed project site.</p>												

	bodies etc. along with a layout plan to an appropriate scale)	The green belt will be developed at the site with a total green area of 4572.95 m ² (20 % of the total plot area).
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4. FAUNA

4.1	Is there likely to be any displacement of fauna- both terrestrial and aquatic or creation of barriers for their movement? Provide the details.	<p><u>Core Zone:</u> Since the project site is an undeveloped land with substantial amounts of trees, several burrowing animals like rats, mongoose etc. were observed with a range of insects like ants, spiders, bugs, butterflies, fleas etc.</p> <p>Building design has been made in such a way that no tree will be cut/transplanted.</p> <p><u>Buffer Zone:</u></p> <p>There are the following wildlife sanctuaries within a 15 km radius of the project site.</p> <ol style="list-style-type: none"> 3. Okhla Bird Sanctuary- 9.79 km SE 4. Asola Wildlife Sanctuary ESZ - 12.23 km SSE <p>The proposed government office complex will be developed taking into consideration the biodiversity of nearby wildlife sanctuary.</p>
4.2	Any direct or indirect impacts on the fauna of the area? Provide details.	<p>Proper landscaping will be planned to provide a clean, healthy and beautiful green environment for the population. Green area of 4572.95 m² (20 % of the total plot area) will be developed.</p> <p>Common native varieties of trees and ornamental flowering species will be planted in the green space which attract avifauna & hence, have a direct positive impact on the local avifauna and provide shelter to local birds.</p>
4.3	Prescribe measures such as corridors, fish ladders etc. to mitigate adverse impacts on fauna	Not applicable

5. AIR ENVIRONMENT

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

5.1	<p>Will the project increase atmospheric concentration of gases & result in heat islands? (Give details of background air quality levels with predicted values based on dispersion models taking into account the increased traffic generation as a result of the proposed constructions)</p>	<p>The present air quality along due to project is as follows:-</p> <table border="1" data-bbox="734 246 1508 705"> <thead> <tr> <th>Particulars</th> <th>Unit</th> <th>Baseline Data</th> </tr> </thead> <tbody> <tr> <td>PM_{2.5}</td> <td>µg/m³</td> <td>129.7</td> </tr> <tr> <td>PM₁₀</td> <td>µg/m³</td> <td>215.6</td> </tr> <tr> <td>NO₂</td> <td>µg/m³</td> <td>39.5</td> </tr> <tr> <td>SO₂</td> <td>µg/m³</td> <td>10.1</td> </tr> <tr> <td>CO</td> <td>mg/m³</td> <td>0.97</td> </tr> </tbody> </table> <p>Since, gas based generators will be used. There will be minimal incremental load due to the same.</p> <p>The present traffic density near the site is about 1191 PCU/hr. The traffic will increase due to the operation of the proposed Office Complex. Increased traffic generation of vehicles due to the project will not cause an increase in atmospheric concentration of gases and do not result in heat island formation.</p> <p>G.G. Sets of capacity 1x1500 kVA will be installed in the office complex which will be used for power backup and only operated during power failure..</p>	Particulars	Unit	Baseline Data	PM _{2.5}	µg/m ³	129.7	PM ₁₀	µg/m ³	215.6	NO ₂	µg/m ³	39.5	SO ₂	µg/m ³	10.1	CO	mg/m ³	0.97
Particulars	Unit	Baseline Data																		
PM _{2.5}	µg/m ³	129.7																		
PM ₁₀	µg/m ³	215.6																		
NO ₂	µg/m ³	39.5																		
SO ₂	µg/m ³	10.1																		
CO	mg/m ³	0.97																		
5.2	<p>What are the impacts on generation of dust, smoke, odorous fumes or other hazardous gases? Give details in relation to all the meteorological parameters.</p>	<p>Dust from vehicles, odour from STP etc. might be generated from the site. Smoke may be generated from the operation of GG sets. Proper emission standards will be maintained as per CPCB guidelines with stack height of maximum 30 m above ground level. Regular water sprinkling will be done for dust mitigation and proper ventilation will be provided in the STP room for measurement of odour generation.</p>																		

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5.3	Will the proposal create a shortage of parking space for vehicles? Furnish details of the present level of transport infrastructure and measures proposed for improvement including the traffic management at the entry & exit to the project site.	Presently on the road opposite the site the existing traffic density is 1191 PCU/day on 18 m wide road. Parking provision of 785 ECS has been proposed on the surface against the requirement of 780 ECS. Hence, there will be no shortage of parking space for vehicles. Apart from this 4 separate entry and exit gates will be provided to regulate smooth traffic movement in the complex.
5.4	Provide details of the movement patterns with internal roads, bicycle tracks, pedestrian pathways, footpaths etc., with areas under each category.	The project being an office complex will require space for parking of two-wheelers and four-wheelers. Roads within the site along each block will be made for better access in the premises. Separate pedestrian pathways/footpaths of width 1 m will be provided for on-foot access in the site.
5.5	Will there be a significant increase in traffic noise & vibrations? Give details of the sources and the measures proposed for mitigation of the above.	During construction, noise barriers will be installed to reduce traffic noise & vibrations and green belts developed within the project site will mitigate the traffic noise. Proper care will be taken during design that there will not be any increase in traffic noise, hence no conjunction will cause. No honking within the office complex will be maintained.
5.6	What will be the impact of DG sets & other equipment on noise levels & vibration in & ambient air quality around the project site? Provide details.	<p>There would be a slight impact of G.G. Sets on noise levels, vibration and in ambient air quality around the project site.</p> <ol style="list-style-type: none"> 1. G.G. Sets will be acoustically enclosed. 2. Stack height as per C.P.C.B. norms to reduce the impacts on air quality around the project site is provided. 3. The noise from G.G. Sets meet the desired standard as per CPCB guidelines. 4. Vibration pads will be used in GG sets to minimize the vibration effect. <p>Ambient Noise Level in Leq when GG sets are operational lies between 80 dB(A) to 100 dB (A).</p>

6. AESTHETICS

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

6.1	<p>Will the proposed constructions in any way result in the obstruction of a view, scenic amenity or landscapes? Are these considerations taken into account by the proponents?</p>	<p>No, the proposed construction will not lead to any obstruction of a view, scenic amenity or landscape. Yes, all considerations have been taken by the proponents</p>
6.2	<p>Will there be any adverse impacts from new constructions on the existing structures? What are the considerations taken into account?</p>	<p>The construction of the office Complex will be done as per Master Plan of Delhi taking in consideration of the existing infrastructure, Hence no adverse impact is anticipated. Also, the complex will be provided with the proper boundary. Hence, no adverse impact on the existing structures is anticipated.</p>
6.3	<p>Are there any local considerations of urban form & urban design influencing the design criteria? They may be explicitly spelt out. Are there any anthropological or archaeological sites or artifacts nearby? State if any other significant features in the vicinity of the proposed site have been considered.</p>	<p>There are no typical urban forms & urban design influencing the design criteria. The archaeological site in vicinity to the project site is Red Fort which is at a distance of 2.66 km, NE All significant features will be considered.</p>

7. SOCIO-ECONOMIC ASPECTS

7.1	<p>Will the proposal result in any changes to the demographic structure of the local population? Provide the details.</p>	<p>The proposed project will provide temporary employment to approx. 100 local labourers for construction of the office complex. Hence, there will be change in the demographic structure of the area.</p>	
7.2	<p>Give details of the existing social infrastructure around the proposed project.</p>	<p>The proposed project falls within the Delhi city which has all the social infrastructure facilities in the form of education health & work centers etc.</p>	<p>Hospital 0.86 km NNW</p>

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

	Shroff Eye Centre, Connaught Place, Surya Kiran Building, K,G,Marg, New Delhi	0.97 km NW
	Freemason's Polyclinic, Janpath, Connaught Place, New Delhi.	0.98 km NW
	General Williams Hospital, Atul Grove Road, Janpath, Connaught Place, New Delhi	
	Post Office	1.15 km NW
	e-Post Office, Sansad Marg, Head Post Office, New Delhi	1.17 km NW
	India Post, Dak Bhawan, Sansad Marg, New Delhi	1.91 km NW
	New Delhi GPO, Gol Dak Khana Building, near Gurudwara Bangla Sahib, New Delhi	
	Place of Worship	1.62 km NW
	Shri bangla Sahib Gurudwara, Hanuman Road Area, Connaught Place, New Delhi	1.73 km NWW
	Jesus Calls Prayer Tower, CNI Building, 16, Pandit Pant Marg, New Delhi	0.85 km NE
	Dargah Sharif Hazrat Baba Sayyad Nanhe Chisti, Mandi House, New Delhi	
	School	0.08 km NEE
	Bhartiya Vidya Bhavan's Mehta Vidyalaya, K.G.Marg, New Delhi	0.34 km NNW
	JawaharLal Nehru Academy of language, K.G.Marg, Mandi House, New Delhi	0.54 km NNW
	P&T Senior Secondary School, Atul Grove Road, Connaught Place, New Delhi	
		0.77 km NNW
	Bank	
	Kotak Mahindra Bank. K.G.Marg, Janpath, Barakhanba, New Delhi.	0.86 km NNW
	IDBI Bank, Surya Kiran Building, Kasturba Gandhi Marg, New Delhi.	0.87 km NNW

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

		Bank of Baroda, K.G.Marg, Janpath, Connaught Place, New Delhi	
7.3	Will the project cause adverse effects on local communities, disturbance to sacred sites or other cultural values? What are the safeguards proposed?	<p>The office complex is located within the designated site and constructed as per the defined building by-laws. There are following sacred site or cultural heritage site within the vicinity of the office complex :-</p> <ol style="list-style-type: none"> 1. Shri Bangla Sahib Gurudwara, Hanuman Road Area, Connaught Place, New Delhi- 1.62 km NW 2. Jesus Calls Prayer Tower, CNI Building, 16, Pandit Pant Marg, New Delhi-1.73 km NWW 3. Dargah Sharif Hazrat Baba Sayyad Nanhe Chisti, Mandi House, New Delhi- 0.85 km NE <p>All the construction will be done taking in consideration of the above mentioned sites so that no negative impact is envisaged.</p>	

8. BUILDING MATERIALS

8.1	<p>May involve the use of building materials with high-embodied energy.</p> <p>Are the construction materials produced with energy efficient processes?</p> <p>(Give details of energy conservation measures in the selection of building materials and their energy efficiency</p>	<p>Steel Building using Pre Engineered construction technology shall be constructed. Pre Engineered building using bare minimum wet construction, RCC foundation as per design.</p> <p>The major materials required for construction of the project will be steel, cement, bricks, flooring tiles/ stones, sanitary and hardware items, electrical fittings etc.</p> <p>Pre-Engineered Steel Buildings use a combination of built-up sections, which provide the basic steel frame work.</p> <p>The external walling shall be of heavy-duty fiber cement board. These walls shall be strong enough for the loads applicable such as wind load etc. The internal wall system shall be fixed on Light gauge steel frame work. The high-quality Mineral Wool Insulated prefabricated walls panels to be used as external wall shall be sandwich wall panels/ sheets.</p> <p>Energy efficient building material shall be used.</p> <p>Energy conservation measures have been given Section-D</p>	
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Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

8.2	Transport and handling of materials during construction may result in pollution, noise & public nuisance. What measures are taken to minimize the impacts?	Yes, transportation and handling of material will result in air & noise pollution; however, these will be minimized by covering material by tarpaulin and proper barricading of construction areas. Guidelines as per MoEF&CC Govt. of India Notification (Dust Mitigation Norms) dated 25.01.2018 will be followed. The construction material will be bought by local nearby markets thereby transportation will be reduced.
8.3	Are recycled materials used in roads and structures? State the extent of savings achieved?	The debris of construction material will be used in backfilling, levelling of roads etc.
8.4	Give details of the methods of collection, segregation & disposal of garbage generated during the operation phases of the project.	Solid waste will be segregated at source in coloured bins into wet & dry waste at each floor level. The organic waste will be treated in Organic Converter Waste into manure, generated manure will be used as manure for plants. Details are given in Section-D.

9. ENERGY CONSERVATION

9.1	Give details of the power requirements, source of supply, backup source etc. What is the energy consumption assumed per square foot of built-up area? How have you tried to minimize energy consumption?	<p>Power Requirement –2159 kW</p> <p>Source of Power: New Delhi Municipal Council (NDMC)</p> <p>Back-up Source: G.G. Sets of 1 x 1500 kVA (During power failure only).</p> <p>Energy Consumption: 0.0066 kW per square foot of built-up area.</p> <p>To minimize energy consumption, following measures will be adopted:-</p> <ul style="list-style-type: none"> » LEDs will be used in place of incandescent lamps in offices, common areas and parking. » Lighting and switching of common areas will be designed keeping in mind daylight integration. » Roof insulation will be planned to conserve energy.
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Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

		<ul style="list-style-type: none"> » Water supply pumping system will be provided with a variable speed drive to conserve energy at part load. » 10% of external lightning will be solar based. » Motors used by pumps proposed in the project will be energy efficient complying with the ECBC norms. » 240 KW solar panels will be installed over the terrace area and surface parking area which will conserve app. 11.11% of energy of total electric load. 						
9.2	What type of and capacity of power back-up do you plan to provide?	<p>During Construction Phase: DG Sets:- 1x125 kVA</p> <p>During Operation Phase: GG Sets : 1x1500 kVA</p> <p>GG sets will be acoustically enclosed and installed at surface with stack height of 30 m above ground level in order to avoid emissions as per CPCB norms.</p>						
9.3	<p>What are the characteristics of the glass you plan to use?</p> <p>Provide specifications of its characteristics related to both shortwave and long wave radiation?</p>	<p>Buildings using pre Engineered construction technology will be constructed.</p> <p>The roof shall be accessible having parapet with SS railing of minimum 1000 mm height</p> <table border="1" data-bbox="751 1227 1506 1473"> <thead> <tr> <th data-bbox="751 1227 1046 1368">Building Material</th> <th data-bbox="1046 1227 1251 1368">“R” Values (in sqm deg C/Watts)</th> <th data-bbox="1251 1227 1506 1368">“U” Values (in Watts/sqm deg C)</th> </tr> </thead> <tbody> <tr> <td data-bbox="751 1368 1046 1473">Double reflective Glass</td> <td data-bbox="1046 1368 1251 1473">0.33</td> <td data-bbox="1251 1368 1506 1473">3.03</td> </tr> </tbody> </table> <p>The external walling shall be of heavy-duty fiber cement board. These walls shall be strong enough for the loads applicable such as wind load etc. The internal wall system shall be fixed on Light gauge steel frame work. The high-quality Mineral Wool Insulated prefabricated walls panels to be used as external wall shall be sandwich wall panels/ sheets</p> <p>The insulation shall be done using rock wool to ensure thermal comfort at minimal energy consumption.</p> <p>External Façade: Terracotta Ventilated Rainscreen Façade Tiles shall be provided in a horizontal direction on the building facade. The extruded hollow clay tile</p>	Building Material	“R” Values (in sqm deg C/Watts)	“U” Values (in Watts/sqm deg C)	Double reflective Glass	0.33	3.03
Building Material	“R” Values (in sqm deg C/Watts)	“U” Values (in Watts/sqm deg C)						
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Environmental Consultant: Perfact EnviroSolutions Pvt. Ltd.

**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
by CPWD**

		cladding material shall be rigid and of adequate strength .The tiles shall be installed using the ventilated rainscreen principle, with provision for natural ventilation of the space between the façade tiles and the structural wall.
9.4	What passive solar architectural features are being used in the building? Illustrate the applications made in the proposed project.	Building design and envelope has been optimized through selection of appropriate wall and roof construction and through adoption of solar measures.
9.5	Does the layout of streets & buildings maximize the potential for solar energy devices? Have you considered the use of street lighting, emergency lighting and solar hot water systems for use in the building? Substantiate with details.	Yes, the layout of buildings has been designed to maximize the potential for use of solar lighting per day devices. Solar lights will be used for street lighting and common areas.
9.6	Is shading effectively used to reduce cooling/heating loads? What principles have been used to maximize the shading of Walls on the East and the West and the Roof? How much energy saving has been affected?	Solar Measures will be adopted to provide shading devices for windows and roof which would effectively reduce heating up of building envelopes. Louvers and sunshades will be used around windows in order to protect from direct sunlight.
9.7	Do the structures use energy-efficient space conditioning, lighting and mechanical systems? Provide technical details. Provide details of the transformers and motor efficiencies, lighting intensity and air-conditioning load assumptions?	Suitable energy optimization will be adopted during the calculation of energy load of the proposed project. The space heating load will be minimized using solar structure and suitable buildings envelope material. Uses of incandescent lamps and halogen lamps have been avoided and energy efficient LEDs will be used for all common areas. The diesel generator sets will be automatically controlled to optimize their usage based on the actual load requirements at any time. Space conditioning will be provided as per norms of National

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

	<p>Are you using CFC and HCFC free chillers? Provide specifications</p>	<p>Building Code – Part 8; Building Services Section 3–Mechanical Ventilation. Lighting intensity will be done as per the National Building Code Guidelines.</p> <p>CFC and HCFC free chillers will be used.</p>						
9.8	<p>What are the likely effects of the building activity in altering the micro-climates?</p> <p>Provide a self-assessment on the likely impacts of the proposed construction on creation of heat island & inversion effects?</p>	<p>No significant effect is envisaged on the surrounding environment of the project. Increased traffic generation and use of diesel generators sets in the project will not cause significant increase in atmospheric concentration of gases and will not result in heat island formation.</p>						
9.9	<p>What are the thermal characteristics of the building envelope? (a) roof; (b) external walls; and (c) fenestration?</p> <p>Give details of the material used and the U-values or the R values of the individual components.</p>	<p>Buildings using pre Engineered construction technology will be constructed.</p> <p>The roof shall be accessible having parapet with SS railing of minimum 1000 mm height</p> <table border="1" data-bbox="751 1099 1501 1350"> <thead> <tr> <th data-bbox="751 1099 1002 1245">Building Material (U&R Value)</th> <th data-bbox="1002 1099 1251 1245">“R” values (in sqm. Deg C/watts)</th> <th data-bbox="1251 1099 1501 1245">“U” Values (in Watts/sqm. Deg C)</th> </tr> </thead> <tbody> <tr> <td data-bbox="751 1245 1002 1350">Double reflective Glass</td> <td data-bbox="1002 1245 1251 1350">0.33</td> <td data-bbox="1251 1245 1501 1350">3.03</td> </tr> </tbody> </table>	Building Material (U&R Value)	“R” values (in sqm. Deg C/watts)	“U” Values (in Watts/sqm. Deg C)	Double reflective Glass	0.33	3.03
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Double reflective Glass	0.33	3.03						
9.10	<p>What precautions & safety measures are proposed against fire hazards?</p> <p>Furnish details of emergency plans.</p>	<p>The basic system of Fire Fighting has been designed as per the provisions of the National Building Code (SP7: 1993 Part IV amendment No. 3 of January, 1977)</p> <p>The fire classification for this Commercial Complex is as per the NBC 2016.</p> <p>For the fire protection purposes provision of Fire water storage tank of adequate capacity is made. Water from these reserve tanks are drawn by an electrically driven fire pump and supplied into the hydrant ring main and wet riser system. The system is always kept pressurized</p>						

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		<p>in order to ensure instant availability of water at all points. An on-line jockey pump makes-up minor line losses. A diesel engine driven fire pump is also provided as a standby.</p> <p>Sprinkler System:</p> <p>Sprinkler system is provided for all floors of the building. The building confirms the provisions of the National Building Code as well as the provisions of State Fire Safety by-laws and is provided with adequate arrangement to overcome fuel hazards to the satisfaction of authority.</p> <p>Fire Safety:</p> <p>The building materials are as per appropriate fire resistance standards. Adequate fire-fighting requirements have been considered while designing the electrical distribution system. The electrical systems will be provided with automatic circuit breakers activated by the rise of current as well as activated by over current.</p> <ul style="list-style-type: none">● Fire detection system.● Fire alarm system at appropriate places.● Means of escape● Access for fireman● Adequate fire-fighting requirements will be taken into account while designing the electrical distribution system.● Emergency Lighting <p>The emergency lights operated on battery power will be provided at appropriate locations such as corridors, common area, staircase, exit and entrance doors, parking etc.</p>
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Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

		<p>Emergency Lighting:</p> <p>The emergency lights operated on battery power has been provided at appropriate locations such as corridors, common areas, staircase, exit and entrance doors, parking etc.</p> <p>The structural steel shall be made 2 hour fire rated by using intumescent fire paint.</p>						
9.11	If you are using glass as wall material provides details and specifications including emissive and thermal characteristics.	<p>Double reflective glass will be used for windows.</p> <table border="1"> <thead> <tr> <th>Building Material (U&R Value)</th> <th>“R” values (in sqm. Deg C/watts)</th> <th>“U” Values (in Watts/sqm. Deg C)</th> </tr> </thead> <tbody> <tr> <td>Double reflective Glass</td> <td>0.33</td> <td>3.03</td> </tr> </tbody> </table>	Building Material (U&R Value)	“R” values (in sqm. Deg C/watts)	“U” Values (in Watts/sqm. Deg C)	Double reflective Glass	0.33	3.03
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Double reflective Glass	0.33	3.03						
9.12	<p>What is the rate of air infiltration into the building?</p> <p>Provide details of how you are mitigating the effects of infiltration.</p>	All the windows and doors will be airtight; hence there is no air infiltration.						
9.13	<p>To what extent the non-conventional energy technologies are utilized in the overall energy consumption?</p> <p>Provide details of the renewable energy technologies used.</p>	<p>Solar energy will be used inside the office complex in the form of Solar water heater and Solar lights.</p> <p>Approx. 7.7 % of energy load will be conserved using solar energy.</p>						

10. ENVIRONMENT MANAGEMENT PLAN

10.1	The Environment Management Plan would consist of all mitigation measures for each item wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the	Environment Management Plan is given in Section D.
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Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

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by CPWD**

	<p>activities of the project. It would also delineate the environmental monitoring plan for compliance of various environmental regulations. It will state the steps to be taken in case of emergency such as accidents at the site including fire.</p>	
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**Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi
by CPWD**

SECTION C: CONCEPTUAL PLAN

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

1. Introduction

The proposed project titled “Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista) will be located at Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi to be developed by the Central Public Works Department. The land has been handed over by the Land & Development Office, Govt. of India to CPWD vide letter no. L&DO/L-II-A/11(1158)/2019/162 dated 25.02.2020 for the development of the proposed offices. The total plot area of the project will be 22864.75 m² and the built-up area of the project will be 43423.79 m².

Since the total built-up area of the project is less than 1,50,000 m², the project falls under Activity 8(a), Category B as per schedule of EIA Notification, 2006 and its subsequent amendments.

Due to unavailability of SEAC (Delhi), we are applying at MoEF&CC for grant of Environmental Clearance.

1.2 Type of Project

The proposed project titled “Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista) at Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi ” is the construction of offices for Ministry of Defence. The total plot area of the project will be 22864.75 m² and the built-up area of the project will be 43423.79 m². Since, the built up area is less than 1,50,000 m², thus the project falls under Category B, activity 8(a), in accordance with the EIA Notification dated 14th September 2006 & its amendments.

1.3 Project Details

The total plot area of the project will be 22864.75 m² and the built-up area of the project will be 43423.79 m². The total FAR area of the proposed project will be 43333.79 m² and the Non-FAR Area will be 90.00 m². The maximum no. of floors will be G + 8. The maximum height of the building will be 38 m.

1.4 Activities/ Amenities

The activities proposed in the complex are government office complexes.

1.5 Site Location

The project site is located at Old Curzon road barracks, adjacent to Asia House, nearby Masjid Circle, KG Marg, New Delhi-110001.

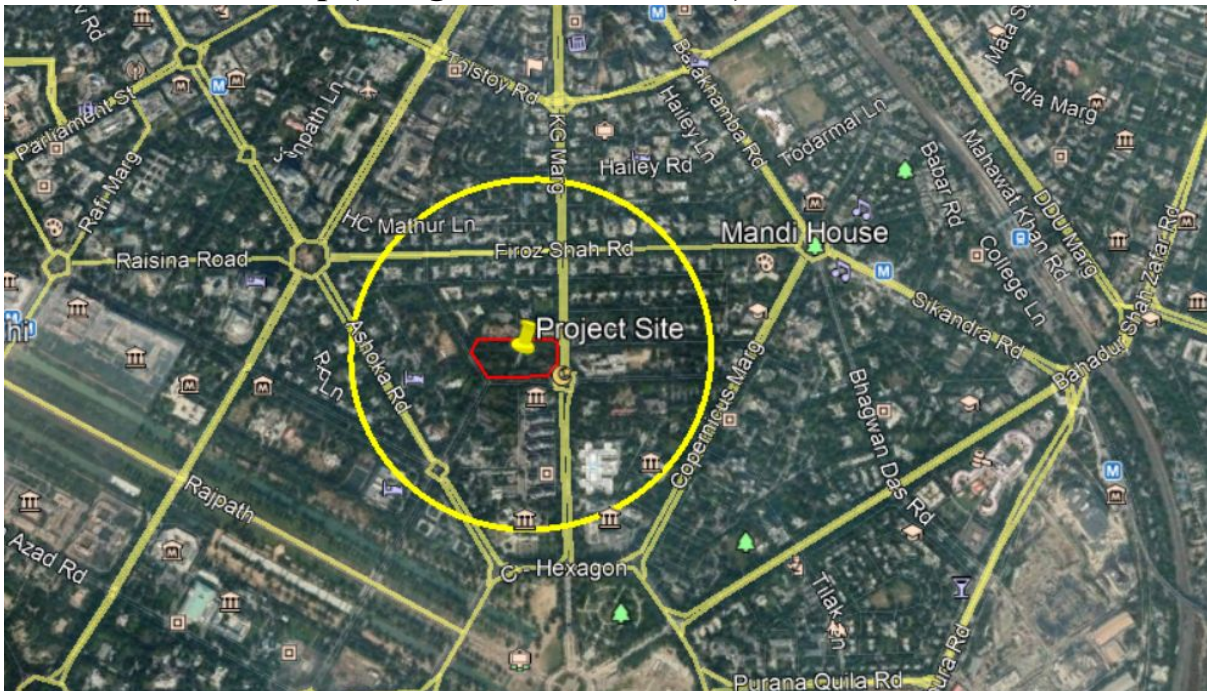
Geographical details of the site are shown below:

Table: Geographical details

Latitude	Longitude	Elevation
28°37'10.81"N	77°13'31.56"E	212 m

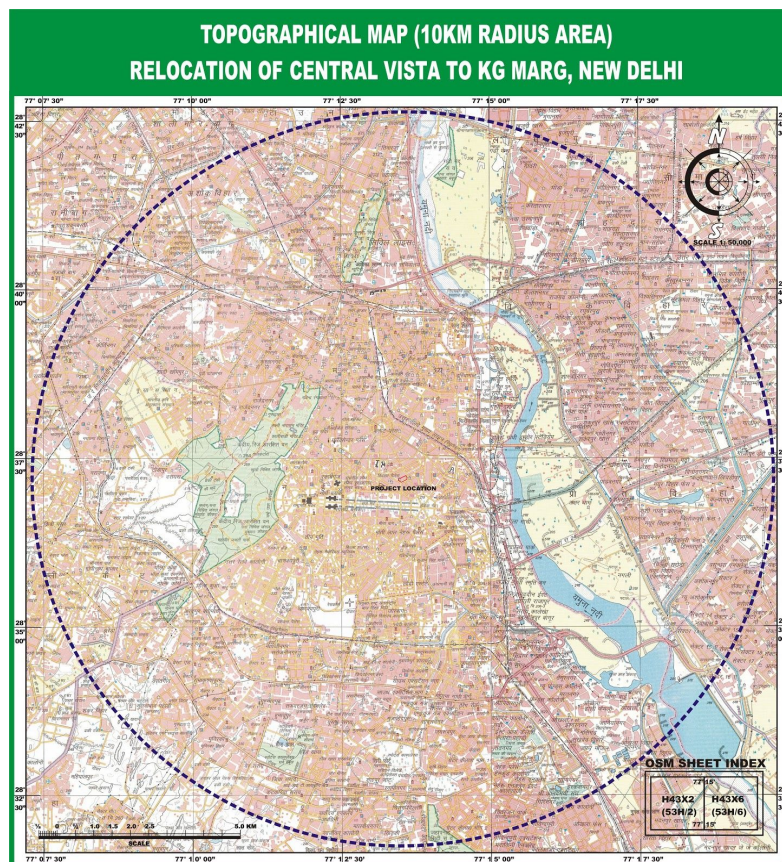
Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

1.6 Location Map (along with 500m radius)



Google Image (Radius 500 m)

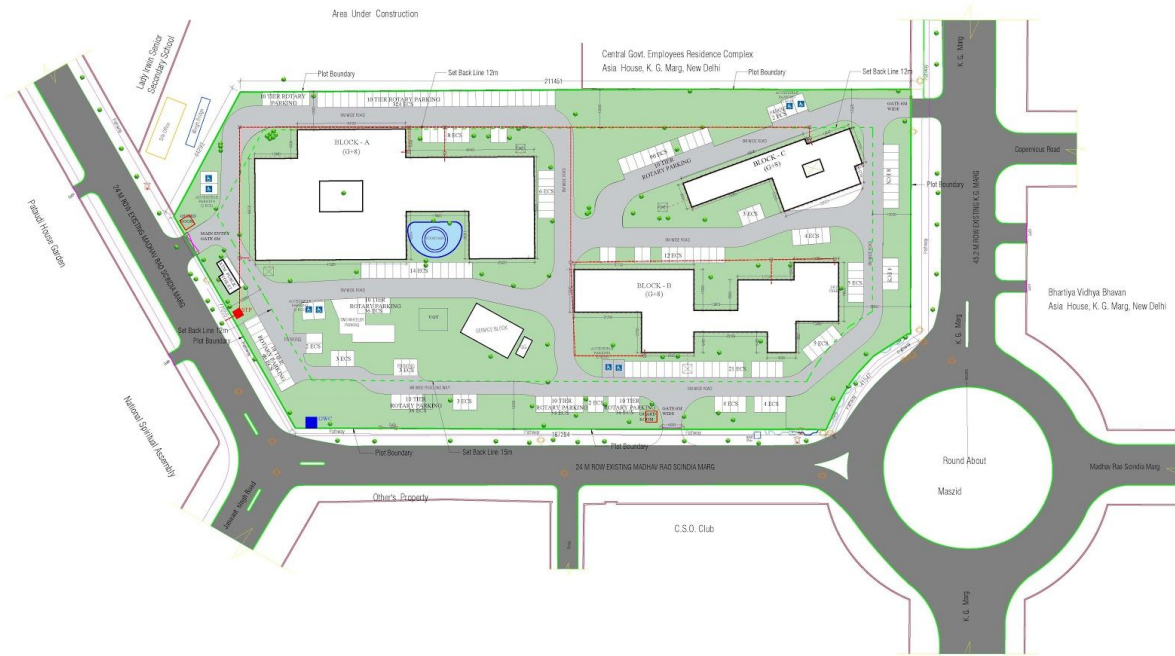
1.7 Topographical Map



Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

1.8 Layout Plan



1.9 List of Centrally Protected Monuments

Name of Monument	Locality	District	Distance & Direction
Fortification Wall AsadBurj, Watergate, Delhi Gate, Lahori Gate, Jahangiri Gate, Chhatra Bazar, Baoli	Red Fort	Central	2.66 km NE
LakharwalGumbad (Tomb)	Near Humayun’s Tomb	South East	2.94 km SE
SunderwalaBurj	Near Humayun’s Tomb	South East	3.19 km SE
Sunderwala Mahal	Near Humayun’s Tomb	South East	3.26 km SE
Bara Khamba outside north entrance to shrine	Nizamuddin	South East	3.39 km SSE
The NilaChhatri or SubazBurj, once used as a Police Station at Nizam-ud-Din.	Nizamuddin	South East	3.39 km SSE
Tomb of Mirza Muzaffer, ChotaBatasha	Nizamuddin	South East	3.43 km SE
Baoli	Nizamuddin	South Eas	3.43 km SSE
Tomb of Tagah or Atgah Khan	Nizamuddin	South East	3.47 km SE
Tomb of Nizamuddin Auliya	Nizamuddin	South East	3.47 km SSE

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Tomb of Amir Khusro	Nizamuddin	South East	3.49 km SSE
The Grave of Jahanara Begum	Nizamuddin	South East	3.49 km SSE
The Grave of Mirza Jahangir	Nizamuddin	South East	3.49 km SSE
Tomb of Mirza Muzaffer, Bara Batasha	Nizamuddin	South East	3.52 km SE
Mazar of Mirza Ghalib	Nizamuddin	South East	3.52 km SE
The ChausathKhamba and tomb of Mirza Aziz Kokaltash	Nizamuddin	South East	3.54 km SSE
The tomb of Isa Khan with its surrounding enclosure walls and turret, garden, gateways and mosque.	Nizamuddin	South East	3.61 km SE
The Afsah-wala-ki-Masjid situated outside the west gate of Humayun's tomb with its dalans and paved court.	Nizamuddin	South East	3.63 km SSE
The Tomb of Afsah-wala immediately near and to the south of Afsah-wala-ki-Masjid	Nizamuddin	South East	3.68 km SE
Remaining Gateways of Arab Sarai and of Abadi-Bagh-Buhalima	Near Humayun's Tomb	South East	3.72 km SE
The Gateway of Arab Sarai facing North towards PuranaQila	Near Humayun's Tomb	South East	3.73 km SE
Humayun's tomb, its platforms, garden, enclosure walls and gateways Khasra No. 258 bounded on the east by Khasra No.180&181&244 of Miri Singh and on west by Kh. No. 268&253 on the north by Khasra No. 266, on the south by Kh No. 245 of Miri Singh &Kh. No. 248 & 249 of Sayyed Mohammad	Nizamuddin	South East	3.75 km SE
Arab Sarai	Near Humayun's Tomb	South East	3.80 km SE
The Gate way of Arab Sarai facing East towards the tomb of Humayun	Near Humayun's Tomb	South East	3.83 km SE
Nila Gumbad outside the south corner of the enclosure of Humayun's tomb.	Nizamuddin	South East	4.06 km SE
Tomb of Khan-i-Khana	Nizamuddin	South East	4.10 km SE

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Delhi fort or Lal Qila, NaubatKhana, Diwan-i-am, Mumtaz Mahal' Rang Mahal, Baithak,MaseuBurj, diwan-i-Khas' Moti Masjid, sawanBhadon ,Shah Burj, Hammam with all surrounding including the gardens, paths, terraces and water courses.	Red Fort	North	4.16 km NNE
Salimgarh Fort, comprising the main gate on North, Ancient structure near the main gate and the entire fortification wall	Red Fort	Central	4.73 km NNE
Bara Pulah bridge near Nizamuddin	Nizamuddin	South East	4.73 km SSE
Tombs of Bade-Khan, and MubarakpurKotla, Kotla	KotlaMubrakpur Village	South	5.11 km SSW
Tombs of Chote Khan, Mubarakpur, Kotla	KotlaMubrakpur Village	South	5.13 km SSW
Tomb of Mubarik Shah in Mubarakpur, Kotla	KotlaMubrakpur Village	South	5.14 km SSW
Mosque attached to Mubarak shah Tomb	KotlaMubrakpur Village	South	5.18 km SSW
Tomb of Bhura Khan	KotlaMubrakpur Village	South	5.19 km SSW
Moth-ki-Masjid	Behind South Extension-II	South	6.30 km SSW
Tin Bhurji Wala Gumbad, MohammadPur Village	Mohammad Pur Village	South	6.88 km SSW
Biran-Ka-Gumbad-282	HauzKhas	South	7.37 km SSW
Kali Gumti	HauzKhas	South	7.40 km SSW
Ashokan Rock Edict at Bahapur	East of Kailash	South East	7.42 km SSE
Bagh-i-AlamGumbad with a Mosque	Humayunpur Village (HauzKhas)	South	7.44 km SSW
Nili Mosque	HauzKhas Enclave	South	7.47 km SSW
Bandi or PotikaGumbad III-280	HauzKhas	South	7.57 km SSW
Biwi aur Dadi-ka-Gumbad-281	HauzKhas	South	7.58 km SSW
ChotiGumti	HauzKhas	South	7.63 km SSW

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

Sakri Gumti-284	HauzKhas Enclave near Green Park	South	7.64 km SSW
BaraKhamba-285	HauzKhas	South	7.68 km SSW
Ruined line of walls, bastions & gateways of siriKh. No. 88, 265 & 447 of village ShahpurJat	ShahpurJat Village	South	7.69 km SSW
Munda Gumbad, Munirka	Munirka	South	7.85 km SW
TohfewalaGumbad	Humayunpur Village (HauzKhas), ShahpurJat	South	7.86 km SSW
Wazir Pur-ki-Gumbad, Munirka 312	Munirka	South	7.93 km SW
HauzKhas:- Group of Building at HauzKhas consisting of the following i. The tomb of Feroz Shah ii. Domed Building to the west of No.1 iii. Dalan between 1&2 iv. Domed Building & its court to the south of No. 3, v. Dalans and all ruined Buildings to the north of no. 1 and existing upto No.10 vi. Five Chhatris to the East of No. 1& No.5 vii. Old Gate to the north of No.6 viii. Three Chhatris to the north-west of No.7 ix. Ruined courtyard and its Dalans with the Domed building to the north-west to the No.8 x. Old wall running east from No.4 xi. 2.23 Acres of land surrounding the above monuments and bounded on the North by house of Change and Mehra Chand sons of Hansram and house of Udairam, son of Kushla South Ghairahkan Rasta East By village site belonging to village community. Others West By field no. 185 & 186.	HauzKhas	South	7.95 km SSW
Baoli, Munirka	Munirka	South	7.98 km SW
Idgah of Kharehra	HauzKhas Enclave	South	8.04 km SSW
ChorMinar No. 289 Vol III	HauzKhas	South	8.13 km SSW

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

Internal buildings of:Siri Mohammadiwali-Kh.No.14shahpurJat Makhdumki Kh No.-255 ShahpurJat Thana Wala ShahpurJat	ShahpurJat Village	South	8.14 km SSW
Group of monuments at Sarai Shahji	Malviya Nagar	South	8.79 km SSW
Tomb of Sheikh Kaburuddin also known as RakabwalaGumbad in field no.84 min. situated at sarai Shah 31 property of Thok Shahpur and Adhehini	Malviya Nagar	South	8.82 km SSW
Lal Gumbad, Chirag Delhi	Chirag Delhi	South	8.83 km SSW
Bijay Mandal, neighbouring domes, buildings and dalan to north of Begumpur	Malviya Nagar	South	8.89 km SSW
Tomb of Bahlol Lodi	Chirag Delhi	South	8.90 km SSW
Wall of Rai Pithora's Fort and Jahan panah at the point where they meet together	Hauz Rani Village	South	8.99 km SSW
Bastion, where a wall of Jahan panah meets the wall of Rai Pithora's fort, Adchini	Adchini	South	9.00 km SSW
Begumpuri Masjid	Begumpur	South	9.04 km SSW
Tomb of Usuf-Quttal situated at Khirki	Khirki Village near Malviya Nagar	South	9.45 km SSW
Satpula-III -216	Khirki Village near Malviya Nagar	South	9.68 km SSW
Khirkee Masjid	Khirki Village near Malviya Nagar	South	9.71 km SSW
Ramp and gateways of Rai Pithora's Fort, Adchini	Adchini	South	10.49 km SSW
Walls of Lal Kot and Rai Pithora's fort from Sohan Gate to Adham Khan's tomb including the ditch where there is an outer wall	Mehrauli	South	10.59 km SSW
Iron Pillar, Hindu remains	Mehrauli (Qutb Complex)	South	11.16 km SSW
Badaun Gates,	Lado Sarai Village	South	11.17 km SSW

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

The Qutab Archaeological area as now fenced in, including the Mosque, Iron Pillar, Minar of Qutub Ud-din, unfinished Minar, all colonnades, screen arches, tomb of Altamash, college, buildings of Alaud-Din, Tomb of Imam Zamin and all carved stones in the above area with gardens, paths and water channels, and all gateways including the Alai-Darwaza , also all graves in the above area	Mehrauli Village	South	11.19 km SSW
Unknown tomb said to be of Azim Khan	Lado Sarai Village	South	11.30 km SSW
Tomb of Adham Khan (Rest House)	Mehrauli	South	11.45 km SSW
Area between Balban Khan's Tomb Jamali Kamali	Lado Sarai	South	11.61 km SSW
Tomb and Mosque of MaulanaJamaliKamali	Mehrauli	South	11.64 km SSW
Rajon-ki-Bain with Mosque and Chatri	Lado Sarai Village	South	11.68 km SSW
Old Baoli known as Dividing Wall in Mouza locally known as (Gandhak-ki-baoli), Mehrauli	Mehrauli	South	11.68 km SSW
Moti Masjid	Mehrauli Village	South	11.91 km SSW
Old Palace of Bahadur Shah II alias Lal Mahal in Mehrauli	Mehrauli Village	South	11.93 km SSW
Walls, gateways bastions and internal buildings of both inner and outer citadels of Tughlaqabad Fort	Tughlaqabad	South East	12.07 km SSE
Mandi Mosque	Lado Sarai Village	South	12.19 km SSW
Nai-ka-kot in Tughlakabad	Tughlaqabad	South East	12.39 km SSE
Jahaz Mahal in Mehrauli	Mehrauli Village	South	12.48 km SSW
HauzShamsi, with central red stone pavilion situated at Mehrauli in field Nos. 1574-81, 1588-97, 1614, 1623 & 1624, owner Government	Mehrauli	South	12.57 km SSW
Mosque known by the name of ShamsiTallab together with both platform entrance gates.	Mehrauli Village	South	12.59 km SSW

Environmental Consultant: Perfect EnviroSolutions Pvt. Ltd.

Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista), Old Curzon road barracks, adjacent to Asia House, KG Marg, New Delhi by CPWD

Tomb of Ghiyasuddin Tughlakabad. walls and bastions, gates and cause way including the tomb of Dad Khan	Tughlaqabad	South East	12.66 km SSE
Tomb of Sultan Ghari	Malikpur Kohi opposite Vasant Kunj	South	12.82 km SW
Walls, gate and bastions of Adilabad (Mohammadabad) and causeway leading there to from Tughlakabad.	Tughlaqabad	South East	13.26 km SSE
Ancient Mosque (Babur's Period) together with adjacent area comprised in part of Survey plot No. 177	Palam Village	South West	14.61 km SWW

1.10 Population Details

1.10.1 During Construction Phase-

Approximately 100 Nos. of local labour will be employed for the construction of the project.

1.10.2 During Operation Phase-

The total population of the project will be 5080 persons (comprising Staff- 4840 ; Visitors-240)

The population details are given in Table:

Type	Total Population
Staff	4840
Visitors	240
TOTAL	5080

1.11 Air Management

During Construction Phase- DG set of capacity 1x125 kVA will be used for construction works. To suppress the dust generated during the construction phase hourly sprinkling of water will be done. Green belt will also be maintained around the boundary site to prevent dust spreading.

During Operation Phase- The total power load of the project will be 2159 kW which will be met by NDMC. In case of power failure, power backup will be provided through GG sets of capacities of 1x1500 kVA that will be enclosed at surface only. Gas pipelines sourced from NDMC will be provided for operation of GG sets. To prevent the impact of air emissions, stack heights of 30 m above ground level will be installed in accordance with CPCB norms.

1.12 Noise Management

During Operation Phase: The main source of noise will be DG Sets of capacity 1×1500 kVA which will be used only during a power failure.

GG sets will be enclosed acoustically and kept on the surface. Plantation of trees at the boundary of the project has been done to reduce the noise level within the project site.

1.13 Water Management

During Construction Phase: 4 KLD treated water will be arranged through treated water sourced from NDMC wastewater treatment supply line through tanker suppliers.

During Operation Phase: The total water requirement of the project 307 KLD. Out of which 122 KLD fresh water will be met by NDMC and 185 KLD treated wastewater generated from the STP of capacity 250 KLD will be used to meet the requirement for flushing, gardening and cooling. It will be a Zero-Liquid Discharge Project.

1.14 Rainwater Collection Details

Total 05 nos. of Rain Water harvesting pits will be provided on the project site.

1.15 Solid & Hazardous Waste Management

1.15.1 During Construction Phase-

Since the proposed project is a non-basement office complex. Minimum excavation of soil for foundation will only be done. Total 15 kg/day of waste will be generated from labourers that will be disposed of at the NDMC site.

1.15.2 During operation phase-

762 kg/day of total waste will be generated from the complex. Out of which, 304 kg/day of biodegradable waste will be treated in Organic Waste Converter to get converted to manure. 229 kg/day non-biodegradable waste and 229 kg/day recyclable waste will be sent to authorised recyclers.

There will be no generation of used oil as gas based generator sets will be used.

E-waste of 2 kg/month will be collected and given to the approved recycler of CPCB.

1.16 Parking Management

1.16.1 During construction phase:

Proper parking provisions of trucks and other construction vehicles will be made. Proper spaces for loading and unloading will be defined.

1.16.2 During operation phase:

The parking of 785 ECS will be provided at the site against the requirement of 780 ECS.

1.17 Green Area Development

The Shelter belt for the proposed project will be provided for a clean, healthy and beautiful green environment for the people to live in within the proposed project site. The green belt will be developed at the site with a total green area of 4572.95 m² (20 % of the total plot area).

$$\begin{aligned}\text{Total No. of trees} &= \text{Plot Area}/80 \\ &= 22864.75/80 \\ &= 286\end{aligned}$$

Total No. of trees proposed = 286

A total no. of 78 no. of trees are present on the proposed project site that will be retained. The project has been planned in such a way that no tree will be cut/transplanted.

FORM-2

FORM-2
APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE

1	Details of Project													
	a.	Name of the Project(s)	: Proposed Offices for Ministry of Defence with pre-engineered technology (to relocate existing offices in hutments near South Block & North Block for redevelopment of Central Vista)											
	b.	Name of the Company/Organisation	: Central Public Works Department											
	c.	Registered Address	: Room No. 140, Vidyut Bhawan near Shankar Bhawan, New Delhi-110001											
	d.	Legal Status of the Company	: Central Government											
	e.	Joint Venture (Yes/No)	No											
		If Yes,												
		(i) No. of JV partners (Multiple Entries Allowed)												
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name of the JV partner</th> <th style="width: 25%;">Share of the JV Partner</th> <th style="width: 25%;">Address of the JV Partner</th> <th style="width: 25%;">Email ID of JV Partner</th> <th style="width: 20%;">Mobile No. of JV partner</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> </tbody> </table>			Name of the JV partner	Share of the JV Partner	Address of the JV Partner	Email ID of JV Partner	Mobile No. of JV partner	—	—	—	—	—
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—	—	—	—	—										
2.	Address of the Correspondence													
	a.	Name of the applicant	: Akhelesh Kumar											
	b.	Designation (Owner/Partner/CEO)	: Executive Engineer (Senior Manager)											
	c.	Address	: Room No. 140, Vidyut Bhawan near Shankar Bhawan, New Delhi,,Connaught Place,New Delhi,Delhi											
	d.	Pin Code	: 110001											
	e.	E-mail	: delaeec-rpd1@cpwd.gov.in											
	f.	Telephone No.	: -											
	g.	Fax No.	: 23411742											
3.	Category of the Project/Activity													
	a.	Project Activity	: 8(a) Building and Construction projects											
	b.	Category	: B2											
		Reason for Applying at Ministry	: Tenure of SEIAA Delhi Completed											
	c.	Proposal No.	: IA/DL/MIS/140101/2020											
	d.	Master Proposal Number(Single Window)	: SW/140100/2020											
	e.	EAC concerned (for category A Projects only)	: Infrastructure and Miscellaneous Projects + CRZ											
	f.	Project Type	: Fresh EC											
4.	Location of the Project													
	a.	Plot/Survey/Khasra No.	: The land has been handed over by Ministry of Housing and Urban Affairs Land & Development Office, Govt. of India to CPWD vide letter no. L & DO/L-II-A/11(1158)/2019/162 dated 27.02.2020.											
	b.	Pin Code	: 110001											
	c.	Bounded Latitudes (North)	: 3167799.84 m N To 3167982.17 m N											
	d.	Bounded Longitudes (East)	: 717550.26 m E To 717673.54 m E											
	e.	Survey of India Toposheet No.	: 53 H/2											
	f.	Upload Topo Sheet File (Upload pdf only)	: Uploaded											

	g.	Maximum Elevation Above Mean Sea Level (AMSL)	212 m										
	h.	Upload (kml) file (Upload kml only)	Uploaded										
	i.	Distance of Nearest HFL from the project boundary within the study area	2.87 m										
	j.	Seismic Zone (Zone:1/2/3/4/5)	4										
5	Whether a project is executed in multiple States (Yes/No)?		No										
		If Yes	-										
	a.	Number of States in which Project will be Executed (e.g. 1,2,3,4,5,6)	1										
	b.	Main State of the Project	Delhi										
		<table border="1"> <thead> <tr> <th>S. No.</th> <th>State</th> <th>District</th> <th>Tehsil</th> <th>Village</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		S. No.	State	District	Tehsil	Village	-	-	-	-	-
S. No.	State	District	Tehsil	Village									
-	-	-	-	-									
6.	Details of Terms of Reference (ToR)												
	a.	Whether ToR is mandatory for submitting an application (Yes/No)?	No										
	b.	Date of Issue of ToR/Standard ToR	NA										
	c.	MoEF&CC/SEIAA File No.	NA										
	d.	Upload ToR letter (PDF only)	NA										
7.	Details of Public Consultation												
	a.	Whether the Project Exempted from Public Hearing (Yes/No)?	Yes										
		If Yes, Reason	Since it is Building Construction project Schedule 8(a)										
	b.	Supporting document (upload pdf only)	Uploaded										
	c.	Whether details of Public Hearing available (Yes/No)?	No										
		If No,											
	d.	Reason thereof	NA										
		Supporting Documents (upload pdf only)	NA										
		If Yes	NA										
	e.	Date of Advertisement of Public Hearing	NA										
	f.	Copy of advertisement in English (Upload PDF only)	NA										
	g.	Whether Public hearing was presided over by an officer of the rank of Additional District Magistrate or above (Yes/No)	NA										
		If yes	NA										
	h.	Designation of Presiding Officer (District Magistrate/District Collector/Deputy Commissioner/other-please specify)	NA										
	i.	Copy of duly signed Proceedings of Public Hearing in English (Upload pdf only)	NA										
	j.	Date of Public Hearing	NA										
	K	Venue of Public Hearing	NA										
		Village	NA										
		Tehsil	NA										
		District	NA										
		State	NA										
	l.	Distance of Public Hearing Venue from the Proposed Project (km)	NA										
	m.	No. of people attended	NA										
	n.	If the multiple public hearing conducted	NA										

		Pl give the details of each PH as per (e) to (o) above		NA												
8	Details of Project Configuration /Product (Multiple Entries Allow)															
	a.	Whether the project is New (Yes/No)?		Yes												
		If yes,														
	b.	Project Configuration														
		<table border="1"> <thead> <tr> <th>Plant/Equipment/Facility</th> <th>Configuration</th> <th>Remark if any</th> </tr> </thead> <tbody> <tr> <td>No. of Blocks</td> <td>3</td> <td>-</td> </tr> <tr> <td>No. of Floors</td> <td>G+8</td> <td>-</td> </tr> </tbody> </table>			Plant/Equipment/Facility	Configuration	Remark if any	No. of Blocks	3	-	No. of Floors	G+8	-			
Plant/Equipment/Facility	Configuration	Remark if any														
No. of Blocks	3	-														
No. of Floors	G+8	-														
	c.	Product														
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Product/Activity (Capacity/Area)	Quantity	Unit	Mode of Transport/ Transmission of Product													
Total Plot Area	2.286475	Hectares	NA													
Total Built Up area	43423.79	m ²	NA													
9.	If Expansion/Modernisation/One Time Capacity expansion (only for Coal Mining)/Expansion under Clause 7(ii)/Modernisation under clause 7(ii)/Change of Product Mix under Clause 7(ii))- Not Applicable															
	a.	Details of Environmental Clearance granted earlier		Not Applicable												
		(i) Date of Environmental Clearance granted earlier		NA												
		(ii) MoEFCC/SEIAA File Number		NA												
		(iii) Upload EC letter		NA												
	b.	Details of certified report on compliance of earlier environmental clearance conditions		NA												
		(i) Details of Regional Office of MoEFCC/Zonal Office of CPCB/ SPCB/ UTPCC from which certified report on compliance of earlier environmental clearance conditions obtained.		NA												
		(ii) Letter No.		NA												
		(iii) Status of Compliance		NA												
		(iv) Certified report on compliance of earlier environmental clearance conditions (Including Monitoring Report) (Upload pdf only)		NA												
		(v) Date of site visit		NA												
	c.	Details of Consent to Operate	:	Not Applicable (as it is a Fresh Proposal)												
		(i) Whether Consent to operate obtained (Yes/No)?		NA												
		If yes		NA												
		(ii) Upload Copies of all Consent to operate obtained since inception (upload pdf only)		NA												

	(iii)	Date of issue	NA
	(iv)	Valid up to	NA
	(v)	File No.	NA
	(vi)	Application No.	NA
	(vii)	Upload copy of Consent to operate valid as on date (upload pdf only)	NA

	d.	Details of Capacity Expansion (Multiple Entries allowed)	Not Applicable															
		<table border="1"> <thead> <tr> <th>Product/ Activity (Capacity/Area)</th> <th>Quantity From</th> <th>Quantity to</th> <th>Unit</th> <th>Mode of Transport /Transmission of Product</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <ul style="list-style-type: none"> - Unit:- (Tonnes per annum (TPA), Mega Watt(MW), Hectares (Ha) Kilo Litre per Day (KLD) Tonnes Crusher per Day (TCD), Cubic meter per Day, (Kilometers (Km), Million Liters per day (MLD) others) - Mode of Transport/Transmission of Product (road, Rail, Conveyor Belt, Pipe Conveyor, Aerial Ropeway, Combination of Two or three modes, others) 	Product/ Activity (Capacity/Area)	Quantity From	Quantity to	Unit	Mode of Transport /Transmission of Product	NA	NA	NA	NA	NA						
Product/ Activity (Capacity/Area)	Quantity From	Quantity to	Unit	Mode of Transport /Transmission of Product														
NA	NA	NA	NA	NA														
	e.	Detailed of Configuration (Multiple Entries allowed)	Not Applicable															
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Plant /Equipment / Facility	Existing Configuration	Proposed Configuration	Final configuration after expansion	Remarks if any														
NA	NA	NA	NA	NA														
NA	NA	NA	NA	NA														
10	a.	Funds allocated for Environment Management (Capital) (in Crores)	1.15															
	b.	Funds Allocated for Environment Management Capital(%):	0.44% of total project cost															
	c.	Funds Allocated Towards CER (Corporate Environment Responsibility) (in crores):*	3.93															
	d.	Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in crores):*	0.155															
11		Whether the project attracts the General Condition specified in the Schedule of EIA notification (Yes/No)? [provide name of WL/CPA/ESA/INTER state boundary/International boundary and distance from the project	No															
		If yes	NA															
	a.	Protected Area Notified Under the Wild Life (Protection) Act, 1972	NA															
	b.	Critically Polluted Areas as identified by the Central Pollution Control Board from time to time	NA															
	c.	Notified Eco-Sensitive Areas	NA															
	d.	Inter-State Boundaries and International Boundaries	NA															
12		Whether projects attract the Specific Condition specified in the Schedule of EIA notification (Yes/No)?																

		If yes		NO																		
	a.	If any Industrial Estate/complex/ Export processing Zones/Special Economic Zones/Biotech Parks/Lather Complex with Homogeneous type of industries such as items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre-defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates/complexes will not be required to take prior environmental clearance, so long as the Terms and Conditions for the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and conditions of prior environmental clearance, who may be held responsible for violation of the same through the same throughout the life of the complex/estate		Not Applicable																		
13	Raw Material/Fuel Requirement (Multiple Entries Allowed)																					
	a.	Details of Raw Material/Fuel Requirement		Following are the Key Materials: Reinforcement Steel Structures Cement Sand (Coarse / fine) Aggregate Mild Steel Wood Work Bricks RMC																		
		In case of expansion proposal, total requirement of raw material/fuel shall be given <ul style="list-style-type: none"> - Unit:- (Tonnes per annum (TPA), Mega Watt(MW), Hectares (ha) Kilo Litre (KL), Tonnes Crusher per Day (TCD), Cubic meter per Day, (Kilometers (Km), Million Liters per day (MLD) others) - Mode of Transport/Transmission of Product (road, Rail, Conveyor Belt, Pipe Conveyor, Aerial Ropeway, Combination of Two or three modes, others) 																				
	b.	Upload copy of linkage/Fuel supply agreement/e-auction/Memorandum of Understanding /Letter of Allocation /Captive source/others		NA																		
14	Baseline Data (Air/Water/Noise/Soil/Ground water table/others)																					
	a.	Period of Baseline Data Collection (From DD/MM/YYYY to DD/MM/YYYY)		Baseline data 01 Jan 2020 To 31 Jan 2020																		
	b.	Season (Summer/Pre-monsoon/Post-monsoon/Winter		Winter Season																		
	c.	No. of Ambient Air Quality (AAQ) Monitoring Locations		2																		
	d.	Details of AAQ Monitoring (Multiple Entries Allowed)																				
		From date: 02/01/2020 to 04/01/2020																				
		<table border="1"> <thead> <tr> <th>Criteria Pollutants</th> <th>Unit</th> <th>Maximum Value</th> <th>Minimum Value</th> <th>98 Percentile Value</th> <th>Prescribed Standard</th> </tr> </thead> <tbody> <tr> <td>PM2.5</td> <td>µg/m³</td> <td>129.7</td> <td>121.5</td> <td>128.7</td> <td>60</td> </tr> <tr> <td>PM10</td> <td>µg/m³</td> <td>215.6</td> <td>210.4</td> <td>212.4</td> <td>100</td> </tr> </tbody> </table>	Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard	PM2.5	µg/m ³	129.7	121.5	128.7	60	PM10	µg/m ³	215.6	210.4	212.4	100		
Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard																	
PM2.5	µg/m ³	129.7	121.5	128.7	60																	
PM10	µg/m ³	215.6	210.4	212.4	100																	

SO2	µg/m ³	10.1	9.5	9.8	80
NOx	µg/m ³	39.5	35.4	38.5	80

From date: 09/01/2020 to 11/01/2020

Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value
PM2.5	µg/m ³	148.06	96.74	142.31
PM10	µg/m ³	238	140.2	221.09
SO2	µg/m ³	13.2	9.53	11.46
NOx	µg/m ³	77.55	47.71	63.87

(Source: CPCB Continuous Ambient Air Quality, Major Dhyan Chand National Stadium, Delhi- DPCC)

From date: 16/01/2020 to 18/01/2020

Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value
PM _{2.5}	µg/m ³	136.84	96.52	132.3
PM ₁₀	µg/m ³	218.48	150.15	193.35
SO ₂	µg/m ³	12.12	10.03	10.33
NO _x	µg/m ³	61.87	49.25	57.75

(Source: CPCB Continuous Ambient Air Quality, Major Dhyan Chand National Stadium, Delhi- DPCC)

From date: 23/01/2020 to 25/01/2020

Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value
PM _{2.5}	µg/m ³	126.71	67.23	77.89
PM ₁₀	µg/m ³	206.84	116.1	142.61
SO ₂	µg/m ³	16.66	11.86	14.4
NO _x	µg/m ³	68.11	30.31	46.05

(Source: CPCB Continuous Ambient Air Quality, Major Dhyan Chand National Stadium, Delhi- DPCC)

-Criteria Pollutants: (PM10, PM2.5, SO2, Nox, Other parameters specific to sector)

-Unit: (Micro Gram per Meter Cube, Nano Gram per Meter Cube, Mili Gram per Meter cube, NA)

e.	No. of Ground Water Monitoring Locations	1
f.	Details of Ground Water Monitoring (Multiple Entries Allowed)	

Criteria Pollutants	Unit	Maximum Value	Minimum Value	Desirable	Maximum permissible
---------------------	------	---------------	---------------	-----------	---------------------

		<table border="1"> <tr> <td>Total Hardness</td> <td>mg/l</td> <td>220</td> <td>220</td> <td>200</td> <td>200</td> </tr> <tr> <td>pH</td> <td>NA</td> <td>7.6</td> <td>7.6</td> <td>8.5</td> <td>8.5</td> </tr> <tr> <td>TDS</td> <td>mg/l</td> <td>595.1</td> <td>595.1</td> <td>500</td> <td>500</td> </tr> <tr> <td>Fluoride</td> <td>mg/l</td> <td><0.1</td> <td><0.1</td> <td>1</td> <td>1</td> </tr> <tr> <td>Chlorides</td> <td>mg/l</td> <td>80.0</td> <td>80.0</td> <td>250</td> <td>250</td> </tr> </table> <p>Criteria Pollutants:- (pH, TSS, TDS, Total Hardness, Chlorides, Fluoride, Heavy Metals, other parameters specific to the sector) Unit: (mg/l, NA)</p>	Total Hardness	mg/l	220	220	200	200	pH	NA	7.6	7.6	8.5	8.5	TDS	mg/l	595.1	595.1	500	500	Fluoride	mg/l	<0.1	<0.1	1	1	Chlorides	mg/l	80.0	80.0	250	250
Total Hardness	mg/l	220	220	200	200																											
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COD	mg/l	48.0	48.0	E																												
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	j.	Details of Noise Monitoring (Multiple Entries Allowed)																														
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	I	Ground Water Table																		
	i	Range of Water Table Pre Monsoon Season (Meters Below Ground Level (m bgl))		From 6.44 m bgl to 24.05 m bgl to																
	ii	Range of Water Table Post Monsoon Season (Meters Below Ground Level (m bgl))		From 6.11 m bgl to 25.05 m bgl																
	iii	Whether Groundwater Intersection will be there (Yes/No)		No																
		If Yes		Not Applicable																
		i)Upload copy of Central Ground Water Authority Letter (Upload pdf only)		Not Applicable																
		ii) Letter No		Not Applicable																
		iii) Date of issue		Not Applicable																
15	Details of Water requirement (During Operation)																			
	a.	Details																		
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	c.	Letter No.		-																
	d.	Date of issue		-																
	e.	Permitted Quantity		122 KLD																
	f.	Whether Desalination is Proposed (Yes/No)		N.A.																
		If Yes,		—																
		i. Desalination Capacity (KLD)		—																
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		iii.Mode of Disposal of brine		—																
16	Waste Water Management (During Operation)																			
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Domestic, Flushing & Cooling	205 KLD	250 KLD	STP	STP Treated water will	205	0														

				be reused in the complex		
	a.	Total Waste Water Generation			205 KLD	
	b.	Total Discharged Water			0	
	c.	Total Reused Water			205 KLD	

17	Solid Waste Generation Management (Multiple Entries Allowed)					
	Item	Quantity per Annum	Unit	Distance from Site	Mode of Transport	Mode of Disposal
	Municipal Solid Waste(Biodegradable)	111	TPA	0 km	Other	Organic Waste Converter
	Municipal Solid Waste(Non-Biodegradable)	84	TPA	10 km	Trucks	Approved Recycler
	Plastic Waste	84	TPA	10 km	Trucks	Approved Recycler
	Item:- (Industrial waste, Municipal Solid waste, Fly ash, Bottom Ash, Hazardous Waste (as per Hazardous and Other Waste Management Rules 2016), E Waste, Bio-Medical waste, Construction & Demolition waste, Plastic Waste, Others)					
	- Unit:- (Tonnes, Kiloliter)					
	- Mode of Disposal-(Treatment, Storage and Disposal Facility(TSDF), Authorized Re-cyclers, Landfills, Sanitary Landfills, Others)					

18	Air Quality Impact Prediction (Multiple Entries Allowed)						
	Criteria Pollutants	Unit	Baseline Concentration	Distance GLC	Incremental Concentration	Total GLC	Prescribed Standard
	PM _{2.5}	(µg/m ³)	129.7	0.8	0.30	130	60
	PM ₁₀	(µg/m ³)	215.6	0.8	0.55	216.5	100
	SO ₂	(µg/m ³)	10.1	0.8	0.20	10.3	80
	NO _x	(µg/m ³)	39.5	0.8	1.0	40.5	80
	- Parameter: - (PM10, PM, SO2, NOx, Other parameters specific to the sector)						
	- Unit:- (Microgram per Meter Cube, NA)						

19	Power Requirement						
	Quantity (Kilo Volt Amps (KVA))					2400 KVA (2159 KW)	
	Source					NDMC	
	c	Upload Copy of Agreement (Upload pdf only)					Attached
	d	Standby Arrangement (Details of DG Sets)					1x1500 KVA (Gas Based Generator Set)
	e	Stack Height (in m)					30 m

20	Land Ownership Pattern (Prior to the Project proposal) in Ha				
		Forest land			-
		Private Land			-

		Government Land		2.286475 Ha.
		Revenue Land		-
		Other Land		-
		Total land		2.286475 Ha.
21	Present Land Use breakup in Ha			
		Agriculture Area		-
		Waste/Barren Area		-
		Grazing / Community Area		-
		Surface Water bodies		-
		Settlements		-
		Industrial		-
		Forest		-
		Mangroves		-
		Marine area		-
		Others		2.286475 Ha.
		Total		2.286475 Ha.
22	Land requirement for various activities (Multiple entries allowed) in Ha			
	Description of Activity / Facility / Plant / Others	Area in ha		Remarks
	Ground coverage	0.49856		-
	Road and other	1.33062		-
	Green area	0.457295		
	total plot area	2.286475		
	- Activity / Facility / Plant / Others include: Main Plant, Township, Greenbelt, Ash pond, Quarry area, OB dump Area, Safety zone, Tailing pond, Landfill, Water reservoir, Desalination plant, Area for solid waste management, Built-up area, others			
23	Ecological and Environmental Sensitivity (Within 10 Km): - WLS-Wild Life Species; NPA-Notified Protected Area; ESAs-Eco Sensitive Areas; ESZs- Eco Sensitive Zones)			
	a.	Details of Ecological Sensitivity		

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		-Details of Ecological Sensitivity: - (Critically Polluted Area, WLS, NPA, ESAs, ESZs, Corridors, Wildlife Corridors)																						
		Whether NBWL recommendation is required (Yes/No)?		No																				
		If yes		-																				
		Upload NBWL recommendation in PDF		Not Applicable																				
		Details of Environmental Sensitivity																						
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		Whether NoC / Permission from the competent authority is required (Yes/No)?		No																				
		If yes		—																				
		Upload NoC / Permission from the competent authority in PDF		Not Applicable																				
24	Forest Land																							
	1	Whether any Forest Land involved (Yes/No)?		No																				
		If Yes		—																				
	a.	Forests Clearance Status (In-Principle (Stage-I) Approval Obtained / Final (Stage-II) Approval Obtained / Forest Clearance Under Process(Stage-I) / Forest Clearance Under Process(Stage-II) / Application for Forest Clearance yet to be Submitted)		NA																				

		If In-Principle (Stage-I) Approval Obtained,		No
		MoEFCC file number		NA
		Date of In Principle (Stage-I) approval		NA
		Area diverted		NA
		Upload FC Letter (Upload pdf only and attach it as Annexure-FC letter)		NA
		If Final (Stage-II) Approval Obtained,		No
		MoEFCC file number		NA
		Date of Final Approval		NA
		Date of In-Principle Approval		NA
		Area diverted		NA
		Upload FC Letter (Upload pdf only and attach it as Annexure-FC letter)		NA
		If Forest Clearance under process (Stage-I),		
		MoEFCC file number		NA
		Area applied		NA
		If Forest Clearance under process (Stage-II),		NA
		(i) MoEFCC file number		NA
		(ii) Area applied		NA
		Legal Status of Forest Land (Reserved, Protected, Private, Village, Others)		NA
		If Others		NA
		Please Specify Others		NA
25	Tree Cutting, if any			
		No. of Trees Cut for the Project (if Forestland not involved)		No Tree will be cut
		Details of Tree Cutting and Planting of Trees (Upload pdf Only)		Not Applicable
26	Land Acquisition Status			
		Acquired Land		2.286475 ha.
		Land yet to be acquired		0
		Status of Land acquisition if not acquired		Not Applicable
27	Rehabilitation and Resettlement (R&R)			
		No. of Villages		Not applicable

	No. of Households		Not applicable
	No. of PDFs (Project Displaced Families)		Not applicable
	No. of PAFs (Project Affected Families)		Not applicable
	Funds Allocated for R&R		Not applicable
	Status of R&R (Completed / In-progress / Yet to start)		Not applicable

28	Whether there is a Presence of Schedule-I Species (Yes/No)? No		
	If yes,		
a.	Details of Schedule-I Species		
b.	Whether the conservation plan for Schedule-I Species has been prepared (Yes/ No)?		No
	If Yes,		
	Upload conservation plan (Upload only PDF)		No
	Fund Provision made		NA
	Period of Implementation		No
c.	Whether conservation plan for Schedule-I Species has been approved by competent authority (Yes/ No)?		No
	Upload copy of approval (Upload PDF Only)		Not Applicable
	Letter No.		Not Applicable
	Date of issue		Not Applicable
	Recommendations if any		—
29	Whether there is Presence of Water Bodies in the Core Area (Yes/No)?		
	If yes,		Not Applicable
	Details of Water Bodies in Core Area		Not Applicable
	Whether there is Diversion required (Yes/No)?		Not Applicable
	If yes,		Not Applicable
	Details of diversion required		Not Applicable

		Details of study conducted		Not Applicable
		Whether permission has been obtained from competent authority (Yes/No)?		Not Applicable
		Upload copy of permission (Upload PDF Only)		Not Applicable
		Letter No.		Not Applicable
		Date of issue		Not Applicable
		Recommendations if any		Not Applicable
30	Whether there is Presence of Water Bodies in the Buffer Area (Yes/No)?			
		If Yes		Yes
		Details of Water Bodies in Buffer Area	:	Old Fort Lake 1.60 km SE
		Direction of Water Bodies in Buffer Area (North / South / East / West / North East / North West / South East / South West)	:	
		Distance of Water Bodies in Buffer Area (kilo meters)		
31	Manpower Requirement			
		Permanent employment during construction		NA
		Permanent employment during operation		4840
		Temporary employment during construction		100
		Temporary employment during operation		--
		No. of working days		300
		Total manpower		4940
32	Green Belt in Ha			
	a.	In case of new projects		
		Total Area of Green Belt		0.457295 ha.
		Percentage of Total Project Area		20 %
		No. of Plants to be Planted		Total 286 No. of trees to be planted out of which 78 No. of trees are already existing at site which will be retained.
		Funds Allocated for Plantation		Rs 15 Lakh capital Rs 1.5 lakh as recurring amount per annum

	v	Upload Green Belt Plan (Upload PDF Only)		Submitted									
	b.	Incase of expansion / modernization / change in product mix etc.		Not Applicable									
		Description	Existing	Proposed	Total								
		Total Area of Green Belt	NA	NA	NA								
		Percentage of Total Project Area	NA	NA	NA								
		No. of Plants	NA	NA	NA								
		Funds Allocated (in Lakh)	Capital Cost=NA Recurring Cost=NA	Capital Cost=NA Recurring Cost=NA	Capital Cost=NA Recurring Cost=NA								
		Upload Green Belt Plan (Upload PDF Only)		-									
33		Project Benefit (Multiple entry allowed)		-									
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Financial	Revenue will be generated												
		(Project benefits shall include environmental, social and others)											
34		Whether the Project / Activity attracts the provisions of CRZ (Yes/No)?		No									
35		Sector Specific Details											

I	Details of Building Construction		
	(a)Maximum Height of the Building (Meters)		38.0

	(b)Total No. of Flats to be Build		0
	(c)No. of Buildings		3
	(d)Total plot area (sqm)		22864.75
	(e)Total built up area (sqm)		43423.79
II.	Foreshore Facilities and/or Marine Disposal:		
	(a)Whether Project Involves Foreshore Activities and/or marine Disposal?		No
III.	Rain Water Harvesting:		
	(a)No. of Storage		0
	(b)Capacity		0
	(c)No. of Recharge Pits		5
	(d)Capacity		245 m ³
IV.	Parking		
	(a)Details of 4 Wheeler/ 2 Wheeler Parking		785 ECS
V.	Energy Saving Measures:		
	(a)Source/Mode		Solar, LED, Energy efficient Motors and pumps etc.
	(b)Percentage		23%
	(c)Quantity		496 kW
VI.	Other Details		
	(a)Details of impact on Water Bodies and Drainage patters of catchment area		There will be no impact on water bodies and drain
	(b)Details of Traffic Density Impact Assessment and Modelling Study		Report submitted
	(c)In case Underground Tunnel Project below the Forest Land - Subsidence Impact Study report		No Underground Tunnel Project
VII	Type of Industries to be established with Industrial Estate as per their category A/B		Not applicable
VIII	Length of the alignment		Not Applicable
IX	Details Bridges/ROB/Interchanges,Flyovers,Vehicle Underpass and Pedestrian Underpass		Not Applicable

36	Details of Court Cases if any		None
	Whether there is any Court Cases pending against the project and/or land in which the project is proposed to be set up (Yes/No)?		NA
	If Yes,		NA
	Name of the Court (Districts Court / High Court / NGT / Tribunals / Supreme Court of India)		NA
	If name of Court: (Districts Court, High Court, NGT, Tribunals)		NA

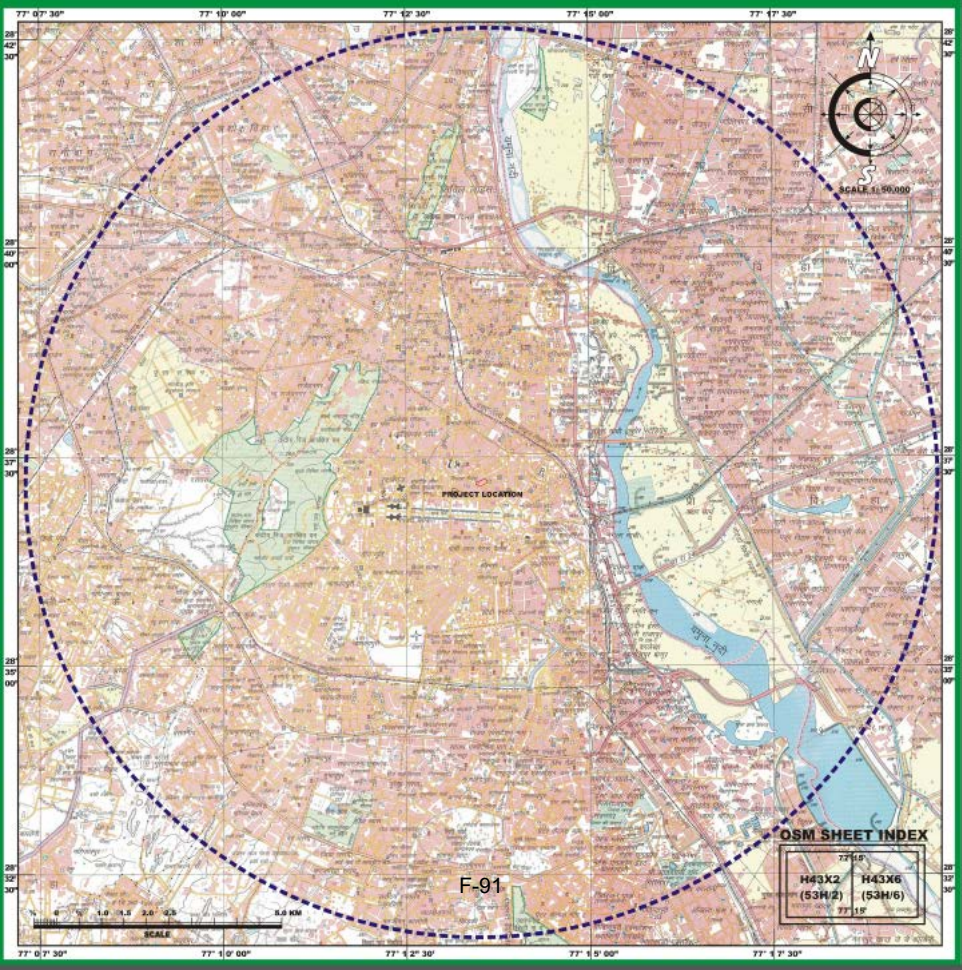
		Name of the Sub-court		NA
		Case No.		NA
		Orders / Directions of the court, if any and its relevance with the proposed project		NA
		Case Details		NA
		Upload Court Order if any (<i>Upload pdf Only</i>)		NA
37		Details of direction issued under Environmental (Protection Act/Air (Prevention & Control of Pollution)) Act/Water (Prevention & Control of Pollution) Act		
		Whether any direction issued under Environment (Protection) Act / Air (Prevention & Control of Pollution) Act / Water (Prevention & Control of Pollution) Act (Yes/No)?		No
		If yes,		
		Details of direction issued under Environmental (Protection Act/Air (Prevention & Control of Pollution)) Act/Water (Prevention & Control of Pollution) Act		Not applicable
		Upload copy of direction issued under Environmental (Protection) Act/Air (Prevention & Control of Pollution) Act/Water (Prevention & Control of Pollution) Act		
		Compliance status of the direction		
38	Details of EIA Consultant			
	a.	Have you hired Consultant for preparing document (Yes/No)?		YES
		If No,		
		(i) Reason for not engaging the Consultant		NA
		If Yes,		
		Accreditation No.		Rev 88/10th June, 2020 at S.No. 124
		Name of the EIA Consultant		Perfact Enviro Solutions Pvt. Ltd.
		Address		5th Floor, NN Mall, Sector – 3, Rohini, New Delhi - 110085
		Mobile No.		09871591330
		Landline No.		011 – 49281360
		E-mail Id		info@perfactgroup.in
		Category of Accreditation (Eligible for Category A / Eligible for Category B)		"A"

	Sector of Accreditation	Infrastructure and Miscellaneous Projects + CRZ
	Validity of Accreditation	08 th September, 2020
	Upload Certificate of Accreditation certified by QCI/NABET (Upload pdf Only)	Copy of Certificate is attached

39	Documents to be attached	
I	If Project Type is New / Expansion / Modernization / one-time capacity expansion for coal mining	
	a. Upload Copy of EIA/EMP Report	Done
	b. Upload Copy of Risk Assessment Report	Done
	c. Upload Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan / Approved Mining Plan (in case of Mining proposals) (<i>Upload pdf only</i>)	Done
	d. Upload Copy of Final Layout Plan (<i>Upload pdf only</i>)	Done
	e. Upload Cover Letter (<i>Upload pdf only and attach it as Annexure-document of Cover letter</i>)	Done
	f. Upload a copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency (<i>Upload pdf only and attach it as Annexure-authorization</i>)	Done
	g. Upload Additional File, if any (<i>Upload pdf only</i>)	
II	If Project Type is other than New/Expansion /Modernization /one-time capacity expansion for coal mining: -	
	a. Upload Copy of Feasibility Report / Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan (<i>Upload pdf only</i>)	Not Applicable
	b. Upload Copy of Final Layout Plan (<i>Upload pdf only</i>)	Not Applicable
	c. Upload Cover Letter (<i>Upload pdf only and attach it as Annexure-document of Cover letter</i>)	Not Applicable
	d. Upload a copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency (<i>Upload pdf only and attach it as Annexure-authorization</i>)	Not Applicable
	e. Upload Additional File, if any (<i>Upload pdf only</i>)	Not Applicable

	f.	Upload Updated Form 1 (<i>Upload pdf only</i>)	Not Applicable
40	Undertaking		
	a.	I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity / construction / expansion has since been taken up	
	b.	Name	Akhelesh Kumar
	c.	Designation	Executive Engineer (Senior Manager)
	d.	Company	CENTRAL PUBLIC WORKS DEPARTMENT
	e.	Address	Room No. 140, Vidyut Bhawan near Shankar Bhawan, New Delhi

TOPOSHEET



WATER ASSURANCE



भारत सरकार
पुनर्विकास परियोजना मंडल- I
केंद्रीय लोक निर्मा. विभाग
विद्युत् भवन, प्रथम तल
नई दिल्ली - 110001.

Govt of India
Redevelopment Project Division-I
Central Public Works Department
Vidyut Bhawan, First Floor
New Delhi - 110001



दूरभाष: 011-23412902, फैक्स: 011-23411742, ईमेल: deleerpd1.cpwd@gov.in

फाइल संख्या 28(14)/सैंट्रल विस्टा/स्टील स्ट्रक्चर/ के लो नि वि /2019-20/ 14 दिनांक: 18-2-

To,

The Chief Engineer, (Civil-I)
New Delhi Municipal Corporation
Palika Kendra, Sansad Marg
Parliament Street, New Delhi-110001.

Sub: Water Supply to the proposed New Office Buildings for Central Government office to be constructed at Africa Avenue (Near Sarojini Nagar, DTC Depot) and KG Marg near Asia House, New Delhi-reg

New office building has been proposed at the existing BSNL, CGM NTP, Africa Avenue near Sarojini Nagar, DTC Depot and at KG Marg near Asia House. The total water demand at these sites have been estimated to be 170 KLD & 120 KLD respectively. It is requested to kindly facilitate and ensure this office to provide water connection for the optimal functioning of the offices at these two locations. The demand of water shall arise from September 2020

It is assured that this office shall follow all instructions and guide lines of NDMC in this regard.

Thanking you,

(Akhelesh Kumar)
Executive Engineer & Senior Manager-I
RPD
o/c

Copy to: -

1. Shri. Harkesh Meena, Executive Engineer, Water Supply, New Delhi Municipal Council, 202, Shaheed Bhagat Singh Place, Gole Market, New Delhi-110001.
2. PS to CE cum ED, RPZ, CPWD, Vidyut Bhawan for information please

Executive Engineer & Senior Manager-I
RPD
o/c

21/2/2020

POWER ASSURANCE



No. C-2346/EPP/DES/ 3940

Date: 16/01/2020

Sh. Subrata Barman
EE & SM(E), RPED-1
CPWD, Vidyut Bhawan
Shankar Market
New Delhi 110001.

Sub: Electrification of Proposed New Office Buildings for Central Government Offices to be constructed at Kasturba Gandhi Marg, New Delhi.

Please refer to your letter vide dt. 02.01.2020 regarding subject cited above, wherein you have requested NDMC to take necessary action for Electrification of Proposed New Office Buildings for Central Government Offices to be constructed at Kasturba Gandhi Marg, New Delhi by CPWD mentioning tentative electric load as per present requirement of approximately 2400KW.

In this regards, before taking any action you are requested to complete the following formalities:

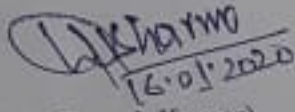
- 1) Deposit Rs.10,000/- towards processing fee by way of demand draft in favour of Secretary, NDMC. Challan for depositing the draft can be had from the office of undersigned on any working day.
- 2) Layout plan of existing 11KV sub-station/USS.
- 3) Site plan/key plan of existing sub-station.
- 4) Complete Load details sheet.
- 5) A built-up space of 6mtr x 5mtr for NDMC H.T Metering room.
- 6) NOC from Chief Architect, NDMC.

You are therefore requested to furnish the above to enable this office for taking further necessary action please.

-sd-

(Er. Devesh Kumar)
Asst. Executive Engineer (E) P-11KV
Tel. No. 23368651

Copy to:
1. CEE-1 : For kind information pls.


16.01.2020
(Er. Devesh Kumar)
Asst. Executive Engineer (E) P-11KV
Tel. No. 23368651

(0/0)

आप अपना काम-काज हिन्दी में बेरोक-टोक कर सकें।
आपका हिन्दी की वजाय आप सरल हिन्दी का प्रयोग कर सकते हैं, और अन्य भाषाओं के ऐसे शब्दों का भी प्रयोग
जिन्हें आप जानते हैं।

**CERTIFICATE OF ACCREDITATION CERTIFIED BY
QCI/NABET**



National Accreditation Board for Education and Training

(Member - International Accreditation Forum & Pacific Accreditation Cooperation)



QCI/NABET/ENV/ACO/20/1350

June 09, 2020

To

Perfact Enviro solutions Pvt Ltd
5th floor, NN Mall, Delhi-110085

Sub.: Extension of Validity of Accreditation till Sept 08, 2020 - regarding

Dear Sir/Madam

In view of the outbreak of Corona Virus (COVID-19) and subsequent lockdown declared for its control vide order dated 24th March 2020, issued by Ministry of Home Affairs, Govt. of India, NABET hereby extends the Validity of your Accreditation till 08 September 2020.

As soon as, NABET office opens/resumes its operation necessary action regarding issuance of certificate/extension of validity letters / other may be initiated, therefore, ACO to ensure their complete application with NABET, if applicable.

Meanwhile, you may enclose this with your EIA reports along with the certificate/validity letter. The EAC/SEIAA/SEAC/Other are hereby requested to consider the same as a valid document for the preparation of EIA/EMP report.

With best regards.

Sd/-

(A K Jha)

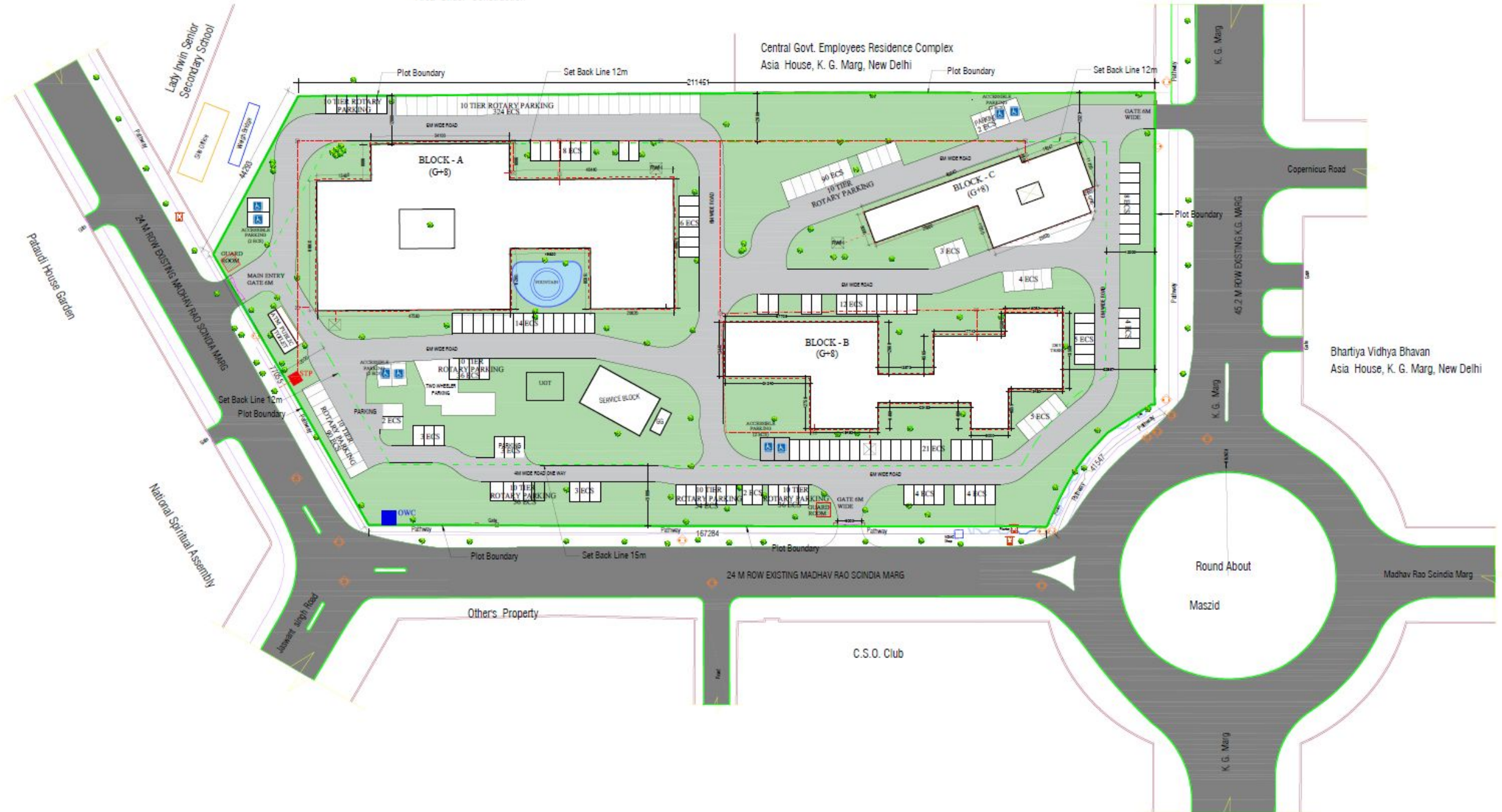
Sr. Director, NABET

NABET

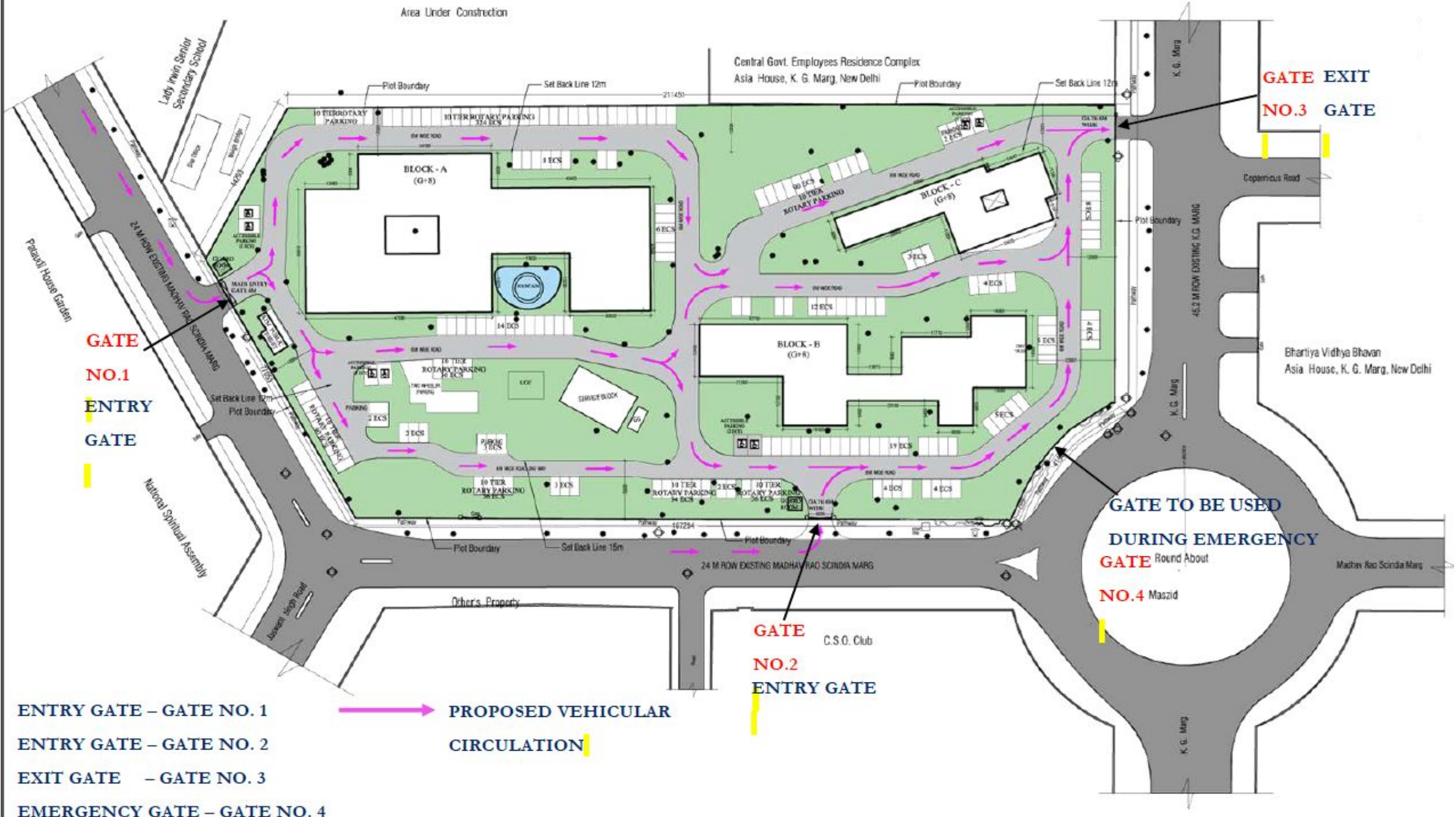
LANDSCAPE PLAN

Area Under Construction

Central Govt. Employees Residence Complex
Asia House, K. G. Marg, New Delhi



TRAFFIC CIRCULATION PLAN



GATE
NO.1
ENTRY
GATE

GATE EXIT
NO.3 GATE

GATE
NO.2
ENTRY GATE

GATE TO BE USED
DURING EMERGENCY
GATE Round About
NO.4 Masjid

- ENTRY GATE – GATE NO. 1**
- ENTRY GATE – GATE NO. 2**
- EXIT GATE – GATE NO. 3**
- EMERGENCY GATE – GATE NO. 4**

PROPOSED VEHICULAR CIRCULATION