

**May,
2019**

Form 1

Expansion of Maharaja Agrasen Hospital

At

**Road No-35, Punjabi Bagh West,
Rohtak Road, Delhi**

Project Proponent:

**Maharaja Agrasen Hospital
Charitable Trust**



CONTENTS

SI. NO.	DESCRIPTION	PAGE NO.
I	Basic Information	1
II	Activity	3
III	Environmental Sensitivity	14

FORM 1

(I) Basic Information

S No.	Item	Details
1.	Name of The Project	Expansion of Maharaja Agrasen Hospital
2.	S. No. in the Schedule	8 (a) Building and Large Construction Project
3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / numbers of wells to be drilled.	Plot Area: 9081.364 sq m Proposed Built-up Area: 31571.22 sq m Total Built-up Area: 51460.93 sq m
4.	New / Expansion / Modernization	Expansion (EC was not applicable for existing project)
5.	Existing Capacity / Area etc.	Plot Area: 9081.34 sq m Built-up Area: 19889.72 sq m
6.	Category of Project i.e. 'A' or 'B'	B (Applied in MoEF&CC as the SEIAA, Delhi is not formed)
7.	Does it attract the general condition? If yes, please specify.	No
8.	Does it attract the specific condition? If yes, please specify.	No
9.	Location	
	Plot / survey / Khasra No.	Maharaja Agrasen Hospital, Road no 35 (Land Documents-Annexure II)
	Village	Punjabi Bagh West (Rohtak Road)
	Tehsil	Punjabi Bagh
	District	West Delhi
	State	Delhi
10.	Nearest railway station / airport along with distance in kms.	Nearest railway station <ul style="list-style-type: none"> • Shivaji Park Metro Station (200 m, W) • Shakur Basti Railway Station (900 m, N) • New Delhi railway Station (11 km, SE) • IGI Airport (13.0 km, S)
11.	Nearest Town, city, District headquarters along with the distance in kms.	Project site is located in Delhi
12.	Village Panchayats, ZillaParishad, Municipal Corporation, Local body (complete postal address with telephone nos. to be given)	Municipal Corporation of Delhi, Dr. S.P.M. Civic Centre, Minto Rd, SKD Basti, Press Enclave, Ajmeri Gate, New Delhi, Delhi 110002, Ph: 011 2322 0037
13.	Name of the Applicant	Agrasen Charitable Trust
14.	Registered Address	Maharaja Agrasen Hospital, Road No 35,

S No.	Item	Details
		West Punjabi Bagh, Rohtak Road, Delhi
15.	Address for correspondence	
	Name	Dr Arvind Kumar Chaudhari
	Designation	Director General
	Address	Maharaja Agrasen Hospital, Road No 35, West Punjabi Bagh, Rohtak Road, Delhi
	Pin Code	110026
	E-mail	MAHDELHI26@gmail.com
	Telephone No.	011-4777790, 9910440991
	Fax No.	011-4777790
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet.	No, as it is expansion project
17.	Interlinked Project	No
18.	Whether separate application of interlinked projects has been submitted?	No
19.	If yes, Date of submission	Not applicable
20.	If no, reason	Not applicable
21.	Whether the proposal involves approval/clearance under if yes, details of the same and their status to be given.) a) The Forest (Conservation) Act, 1980? b) The Wildlife (Protection) Act, 1972? c) The C.R.Z Notification, 1991?	No (Tree cutting may be required) No No
22.	Whether there is any Government Order / Policy relevant / relating to the site?	NBC guidelines MCI Guidelines MCD Bye Laws
23.	Forest land involved (hectares)	Not involved
24.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up? a) Name of the court b) Case No. c) Orders / directions of the Court, if any, and its relevance with the proposed project.	No

(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)	No	It is expansion project. Proposed building will be constructed within existing project site
1.2	Clearance of existing land, vegetation and buildings?	Yes	400 sq m of green area is required to be diverted and a few trees may need to be cut for development of proposed buildings. However it is proposed to provide additional 65 sq m of open green area and 850 sq m of terrace garden on roof of proposed building under expansion phase. Total green area at the site will be 1365 sq m after expansion
1.3	Creation of new land uses?	No	It is expansion project. Proposed building will be constructed within existing project site
1.4	Preconstruction investigations e.g. bore holes, soil testing?	Yes	Soil investigation study has been undertaken at the site
1.5	Construction works?	Yes	Project involves development of the new block and multi level car parking block.
1.6	Demolition works?	Yes	Part of old building having ground coverage of approx. 153 sq m and built-up are 611.75 sq m will be demolished. Permission will be taken from MCD for the same prior demolition.
1.7	Temporary sites used for construction works or housing of construction workers?	No	All the construction activity including stocking of raw materials, setting up labour hutments etc will be undertaken within the project site.

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data									
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Project involves development of the new block and multi level car parking block.									
1.9	Underground works including mining or tunneling?	No	Excavation will be undertaken only for construction of foundations and basements									
1.10	Reclamation works?	No	No reclamation work required.									
1.11	Dredging?	No	No dredging required.									
1.12	Offshore structures?	No	No offshore structure is required.									
1.13	Production and manufacturing processes?	No	Project involves development of hospital project only									
1.14	Facilities for storage of goods or materials?	Yes	Temporary covered sheds and areas will be constructed for storage of raw material which will be dismantled after the construction is completed.									
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>Solid Waste: Type of waste to be generated varies with the stage of development, i.e. construction and operation. Details of waste generation during construction and operation phase are given below.</p> <p>Construction Waste: Solid waste will be generated during construction phase will majorly consist excavated materials, cement bags, bricks, concrete, MS rods, tiles, wood etc. Management plan for construction waste is given below</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Solid waste</th> <th>Solid waste management</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Waste materials like MS Rods, bricks, concrete, broken tiles, wood pieces, cement bags etc.</td> <td>Material would be segregated. Recyclable material will be sold to authorize dealers. Rest will be used within project site for filling & leveling purpose. Surplus will be sent for disposal through local bodies</td> </tr> <tr> <td>2.</td> <td>Excavated Soil</td> <td>Top soil (60 cum) will be excavated from the area and will be used for landscaping. Remaining excavated soil (15169 cum) will be used for landscaping and filling.</td> </tr> </tbody> </table>	S. No.	Solid waste	Solid waste management	1.	Waste materials like MS Rods, bricks, concrete, broken tiles, wood pieces, cement bags etc.	Material would be segregated. Recyclable material will be sold to authorize dealers. Rest will be used within project site for filling & leveling purpose. Surplus will be sent for disposal through local bodies	2.	Excavated Soil	Top soil (60 cum) will be excavated from the area and will be used for landscaping. Remaining excavated soil (15169 cum) will be used for landscaping and filling.
S. No.	Solid waste	Solid waste management										
1.	Waste materials like MS Rods, bricks, concrete, broken tiles, wood pieces, cement bags etc.	Material would be segregated. Recyclable material will be sold to authorize dealers. Rest will be used within project site for filling & leveling purpose. Surplus will be sent for disposal through local bodies										
2.	Excavated Soil	Top soil (60 cum) will be excavated from the area and will be used for landscaping. Remaining excavated soil (15169 cum) will be used for landscaping and filling.										

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data						
			<table border="1" data-bbox="815 331 1399 521"> <tr> <td data-bbox="815 331 887 398"></td> <td data-bbox="887 331 1086 398"></td> <td data-bbox="1086 331 1399 398">Surplus will be disposed through local bodies</td> </tr> <tr> <td data-bbox="815 398 887 521">3.</td> <td data-bbox="887 398 1086 521">Domestic Waste</td> <td data-bbox="1086 398 1399 521">Will be handled over to local authority, responsible for waste management in the area.</td> </tr> </table> <p data-bbox="815 521 1399 562">Operational Phase: In hospital projects during operation phase, waste will comprise of municipal, bio-medical waste and radioactive waste as it is a hospital project. Municipal waste will comprise of kitchen waste and general waste. Municipal waste expected to generate from the existing phase and expansion phase is estimated to be approx.1220 kg per day and 538 kg per day, respectively. Approx. 8000 kg of bio-medical waste from existing phase annually with expansion it is expected that approx. 5000 kg of bio-medical waste will be generated due to expansion of the project. Total biomedical waste to be generated after expansion will be approx. 13,000 kg/year (35 kg/day).</p> <p data-bbox="815 562 1399 602">Liquid effluents: During construction phase, sewage will be disposed bio-toilets. It is expected that after expansion the project will generate approx. 390 KLD of wastewater out of which 345 KLD is sewage and 45 KLD is effluent. There are existing STP of 250 KLD and ETP of 35 KLD within the project site. Additional STP of 100 KLD will be constructed underground. Sewage/effluent will be treated in STP/ETP and treated water (381 KLD) will be used within the project site for HVAC cooling, DG cooling, landscaping and flushing.</p>			Surplus will be disposed through local bodies	3.	Domestic Waste	Will be handled over to local authority, responsible for waste management in the area.
		Surplus will be disposed through local bodies							
3.	Domestic Waste	Will be handled over to local authority, responsible for waste management in the area.							
1.16	Facilities for long term housing of operational workers?	No	No such facility will be developed						
1.17	New road, rail or sea traffic during construction or operation?	Yes	Traffic of 325 PC will be generated due to development of the project						
1.18	New road, rail, air waterborne	No	Project site is accessible and is well						

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
	or other transport infrastructure including new or altered routes and stations, ports, airports etc.?		connected via network of rail & road. Site abuts NH-10 in North direction. Road No 12 is at 500 m from site in East direction and S. Manohar Singh Marg is at 400 m distance in West direction. Vashista Kumar Gulla Marg is at 380 m distance in South direction. Site is well connected with metro rail and nearest metro station is Shivaji Park at distance of 200 m in West direction and Punjabi Bagh metro station is at distance of 470 m, East direction. Shakur Basti railway station is at distance of 900 m in north direction. Indira Gandhi International Airport is at 20 km in South direction from project site. Adequate connectivity and transportation is available and no new transport infrastructure is required to be developed.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No closure or diversion of existing transportation route or infrastructure will be involved.
1.20	New or diverted transmission lines or pipelines?	No	No new or diverted transmission lines or pipelines lies within the project site
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No impoundment, damming, culverting, realignment or other changes to the hydrology of surface watercourses is proposed.
1.22	Stream crossings?	No	No stream exists at the site
1.23	Abstraction or transfers of water from ground or surface waters?	No	During construction phase source of water will be treated water from existing STP and private water tankers suppliers. During operation phase, water supply is provided by Delhi Jal Board.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	Runoff increase due to generation of paved surface. However, increased runoff is managed by well-designed storm water management system at site. 3 nos (2 existig 1 new) of RWH pits will be provided to recharge the run-off
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During the construction phase, about 5-10 trucks are estimated per week. Adequate parking space within the project site for loading and unloading of materials will be

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
			provided. Adequate parking for 714 cars will be provided
1.26	Long-term dismantling or decommissioning or restoration works?	No	No Long-term dismantling or decommissioning or restoration works will be involved.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	None
1.28	Influx of people to an area in either temporarily or permanently?	Yes	Local laborers from nearby area will be employed during the construction phase. Approx. 460 people will be employed during operation phase.
1.29	Introduction of alien species?	No	The landscaping will be carried out with mainly local species with a few ornamental varieties of flora that are well suited to the local conditions.
1.30	Loss of native species or genetic diversity?	No	There is no significant impact on the native species or genetic diversity.
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)	No	It is expansion project. Proposed building will be constructed within existing project site
2.2	Water (expected source & competing users) unit: KLD	Yes	<p>Construction Phase: During construction phase source of water will be treated water from existing STP and private water tankers suppliers. Water requirement during construction phase will be approx. 10-15 KLD.</p> <p>Operation Phase: During operation phase, water supply is provided by Delhi Jal Board. Total water requirement for the project after expansion will be approx. 682 KLD (for existing phase- 415 KLD and for expansion phase- 267 KLD), out of which domestic water</p>

			requirement is 421 KLD (for existing phase- 282 KLD and for expansion phase- 139 KLD). Fresh water requirement for the project is approx. 301 KLD and recycled water requirement for the project is approx. 381 KLD.
2.3	Minerals (MT)	Yes	Minerals such as sand and aggregates will be used during the construction phase.
2.4	Construction material – stone, aggregates, and / soil (expected source – MT)	Yes	Construction material to be used during construction phase includes sand, aggregates, bricks, cement, soil etc.
2.5	Forests and timber (source – MT)	No	Only limited usage of timber will be used and this will be purchased from authorized vendors only
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Maximum power demand for the existing project is 1574 kVA and for expansion is 950 kVA. Total power requirement of the project is 2524 kVA. Source of the power is BSES. 2 nos. of DG sets of total capacity 1500 kVA (2 X 750 kVA) and 1 no. of DG set of total capacity 1010 kVA will also be provided after expansion are provided to provide uninterrupted power supply during power failure. DG sets are open to air & will be provided with acoustic enclosure.
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.

SN	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)	Yes	Diesel for DG sets to be stored in HDPE drums in earmarked locations. It shall also be handled as per The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended and Material Safety Data Sheet.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne	No	Suitable drainage and waste management measures (with frequent spray of insecticides etc.) will be adopted during construction and

	diseases)		will be adopted during operation phase so that there is no stagnation of water or accumulation of waste. 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	Socio-economic standard of people will be improved due to increased employment opportunities and better health facility provided by this project. This will also set a standard for future developments in the area.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	Impacts of this type are not expected.
3.5	Any other causes	No	Not Applicable

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

SN	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	No such spoil, overburden or mine wastes will be generated.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	During operation phase, waste will comprise of both municipal & bio-medical waste as it is a hospital project. Municipal waste will comprise of kitchen waste and general waste. Municipal waste expected to generate from the existing phase and expansion phase is estimated to be approx.1220 kg per day and 538 kg per day, respectively.
4.3	Hazardous waste (as per Hazardous Waste Management Rules)	Yes	Hazardous waste to be generated will be used oil from DG sets
4.4	Other industrial process wastes	No	No industrial waste will be generated from the project
4.5	Surplus product	No	Not Applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	It is expected that after expansion the project will generate approx. 390 KLD of wastewater out of which 345 KLD is sewage and 45 KLD is effluent. There are existing STP of 250 KLD and ETP of 35 KLD within the project site. Additional STP of 100 KLD will be constructed underground. Sewage/effluent

SN	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
			will be treated in STP/ETP and treated water (381 KLD) will be used within the project site for HVAC cooling, DG cooling, landscaping and flushing. STP Sludge to be generated will be 40 kg/day and ETP Sludge to be generated will be 5 kg/day
4.7	Construction or demolition wastes	Yes	Construction waste to be generation will be 15-20 kg/day. The construction waste will consist excess earth and construction debris along with cement bags, steel in bits and pieces, insulating and packaging materials etc. Excavated soil was used for landfilling, leveling and road construction. Recyclable waste construction materials will be sold to recyclers. Unused and excess construction debris will be disposed at designated places in tune with the local norms. Part of old building having ground coverage of approx. 153 sq m and built-up are 611.75 sq m will be demolished. Permission will be taken from MCD for the same prior demolition. This waste will be reused at the site to the extent possible and remaining will be disposed off as per C&D Rules, 2016
4.8	Redundant machinery or equipment	No	Redundant machinery will not be used at the site.
4.9	Contaminated soils or other materials	No	Contaminated soils or other materials will not be generated.
4.10	Agricultural wastes	Yes	Landscape waste of 0.3 kg/day will be generated.
4.11	Other solid wastes	No	None

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

SN	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	The project will not envisage any major air pollution sources except operation of DG sets and vehicular traffic.

SN	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
5.2	Emissions from production processes	No	No production process is involved in this project.
5.3	Emissions from material handling including storage or transport	Yes	Dust emissions will be envisaged during transport and handling of construction materials. Such emissions will be temporary and will be controlled by the use of water sprinkling and other viable techniques like covering of loose material.
5.4	Emissions from construction activities including plant and equipment.	Yes	Dust emissions will be envisaged due to construction activities. These will be restricted to the construction phase and the construction site only.
5.5	Dust or odor from handling of materials including construction materials, sewage and waste	Yes	Dust will be anticipated during loading and unloading of construction material and excavation of upper earth surface. These will however be temporary in nature, which will be controlled by providing water sprinklers. Tarpaulin cover is provided on stored loose materials to reduce the dust emission.
5.6	Emissions from incineration of waste	No	No incineration of wastes is proposed.
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 on site.
5.8	Emissions from any other sources	No	Not Applicable

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

SN	Information/ Checklist confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Source of noise in the operational phase will be DG sets and pumps & motors. DG will be provided as power back up. All the machinery will be of high standard of reputed make and complies with standard i.e. DG sets will be provided with integral acoustic enclosure in line with the GSR 371 dated 17 th May, 2002 by MOEF&CC.
6.2	From industrial or similar processes	No	Noise may generate from operation of machinery. This noise should be managed by properly servicing and maintaining

6.3	From construction or demolition	Yes	Noise generation from construction and demolition activities will be managed by provision of the barricading around the site. DG sets used will be provided with the enclosures. All construction equipment will be of upgraded make and were regularly serviced and maintained to minimize the noise issues.
6.4	From blasting or piling	No	No blasting or piling will be involved.
6.5	From construction or operational traffic	Yes	During construction phase, 10-15/day trucks are expected during construction stage. Noise due to this traffic will be managed by taking behavioral management measures. Honking will be prohibited at the site and drivers will also be inducted to minimize the honking and over speed. Speed limit will be kept at 15 kmph within the site. During operation phase, vehicular traffic will generate the noise. As remediation measures, honking will be prohibited at the site and also speed limits will be restricted to 15 kmph at the site.
6.6	From lighting or cooling systems	No	No significant noise impact will result from lighting or cooling systems.
6.7	From any other sources	Yes	Noise from DG sets during construction phase and operation phase will be managed by providing DG sets with the acoustic enclosures. During operation phase, pumps and motors will be provided with the noise mufflers and will be provided within the room in basement due to which noise outside the room will be reduced to nil. Regular maintenance and servicing will be done to maintain the noise levels.

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:

SN	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	Hazardous waste to be generated will be used oil from DG set and it will be disposed –off as per hazardous waste rules, 2016.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	It is expected that after expansion the project will generate approx. 390 KLD of wastewater out of which 345 KLD is sewage and 45 KLD is effluent. There are existing STP of

SN	Information/Checklist confirmation	Yes /No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
			250 KLD and ETP of 35 KLD within the project site. Additional STP of 100 KLD will be constructed underground. Sewage/effluent will be treated in STP/ETP and treated water (381 KLD) will be used within the project site for HVAC cooling, DG cooling, landscaping and flushing.
7.3	By deposition of pollutants emitted to air into the land or into water	No	The DG Sets will be provided with stacks of adequate height and will be air cooled. Hence dispersion will achieve and avoid deposition of pollutants in significant concentrations at any single location.
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

SN	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	To deal with fire, fire extinguishers and sand buckets will be provided at construction site during construction phase. For operation phase, firefighting system will be designed as per NBC norms and as per the local bye laws..
8.2	From any other causes	No	Not Applicable
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	Yes	The project falls under Zone-IV of Seismic Zoning Map of India indicating high damage risk zone. The Buildings are designed as earthquake resistant and comply with the required IS specifications.

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

SN	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 utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:		
	• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	Yes	Yes within the project site.
	• Housing development	No	Not Applicable
	• Extractive industries	No	Not Applicable
	• Supply industries	No	Not Applicable
	• Other	No	--
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not Anticipated
9.3	Set a precedent for later developments	Yes	The project will provide good health infrastructure in the area
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Anticipated

(III) Environmental Sensitivity

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	None within 15 km from project site	None within 15 km from project site
2	Areas which are important or sensitive for ecological reasons -Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	• Central Ridge Forest	• 6.0 km, SE

S. No.	Areas	Name/ Identity	Aerial Distance (Within 15 km from proposed project location boundary)
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	<ul style="list-style-type: none"> • Central Ridge Forest 	<ul style="list-style-type: none"> • 6.0 km, SE
4	Inland, coastal, marine or underground waters	<ul style="list-style-type: none"> • Nazafgarh drain • Bhagwati Talab 	<ul style="list-style-type: none"> • (870 m, S) • (1.1 km, SW)
5	State, National boundaries	None within 15 km from project site	None within 15 km from project site
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	<ul style="list-style-type: none"> • NH-10 • Road No 12 • Manohar Singh Marg • Vashista Kumar Gulla Marg 	<ul style="list-style-type: none"> • Abuts site, N • 500 m, E • 400 m, W • 380 m, S
7	Defense installations	Delhi Cantonment	<ul style="list-style-type: none"> • 7.0 km, S
8	Densely populated or built-up area	Project site is located in Delhi	<ul style="list-style-type: none"> • Project site is located in Delhi
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	<ul style="list-style-type: none"> • Gurunanak Public School • Government School • GNPS Nursery School • S M Arya Public School • Shyama Prasad Mukherjee College • JC Jindal Public School • Gurunanak Institute of Management • MGS Super Speciality Hospital 	<ul style="list-style-type: none"> (420 m, S) (450 m, S) (490 m, S) (90 m, S) (500 m, W) (1.5 km, S) (1.5 km, S) (abuts site, E)
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Ground Water	Municipal Corporation of Delhi is declared Notified by CGWB

S. No.	Areas	Name/ Identity	Aerial Distance (Within 15 km from proposed project location boundary)
11	Areas already subjected to pollution or environmental damage. (Those where existing legal environmental standards are exceeded)	None within 15 km from project site	None within 15 km from project site
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)	Earthquakes	The site fall under the Zone IV as per the Seismic Zone map of India and is thus the site area is prone high damage.

Terms of Reference (TOR):

Not Applicable



महाराजा अग्रसेन अस्पताल Maharaja Agrasen Hospital

West Punjabi Bagh, New Delhi-110026

EP/F-174



**Addition & Alteration of Maharaja Agrasen Hospital
At West Punjabi Bagh, Rohtak Road, New Delhi
FORM I**

DECLARATION

I hereby give 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.

For Maharaja Agrasen Hospital Charitable Trust

**Dr. A.P. Chaudhari
Director General
Authorized Signatory**

Date - 24/05/2019

Place - New Delhi

