

APPENDIX-I

(See Paragraph 6)

FORM 1

I. Basic Information

S. No.	Item	Details																																				
1.	Name of the project	Proposed Residential & Commercial Township Project in Village Pal & Village Gangana, Tehsil & District: Jodhpur (Rajasthan)																																				
2.	S. No. in the Schedule	Building and Construction Project, Category 'B' [(As per 14.09.2006 Notification, Project or Activity-8 (a)].																																				
3.	Proposed capacity /area / length / tonnage to be handled/command area/lease area/number of wells to be drilled	<ul style="list-style-type: none"> <li><b>Total Site / Plot Area:</b> 308425.19 sq. m (76.2135 Acres)</li> <li><b>Area reserve for future developments:</b> 123468.42 sq. m (30.5097 Acres)</li> <li><b>Net Planned Area of the project (Phase 1):</b> 184956.77 sq. m (45.7038 Acres)</li> <li><b>Built up Area (Phase 1):</b> 119553.78 sq. m. (BAR: 100472.18 sq. m + Non FAR: 11541.60 sq. m + Basement : 7540 sq. m)</li> <li><b>Green area:</b> 30848.02 sq. m (~ 10 % of total plot Area)</li> <li>Tabulated information of Proposed planned area / Net Planned Area for Phase 1 of the project: 184956.77 sq. m (45.7038 Acres)</li> </ul> <table> <tr> <th>S. No.</th><th>Particulars</th><th>Area (sq. m)</th></tr> <tr> <td>1</td><td>AREA UNDER RESIDENTIAL USE</td><td>52637.20</td></tr> <tr> <td>a.</td><td>Area Under Group Housing-3</td><td>5916.70</td></tr> <tr> <td>b.</td><td>Area Under Plotted Development (Villas)</td><td>46720.50</td></tr> <tr> <td>2</td><td>AREA UNDER COMMERCIAL USE</td><td>1474.58</td></tr> <tr> <td>a.</td><td>Area Under Convenient Shopping</td><td>1474.58</td></tr> <tr> <td>3</td><td>AREA UNDER FACILITIES</td><td>8741.32</td></tr> <tr> <td>a.</td><td>Area under Substation</td><td>3948.97</td></tr> <tr> <td>b.</td><td>Area under Treated Water Plant</td><td>1469.42</td></tr> <tr> <td>c.</td><td>Area under STP</td><td>2881.64</td></tr> <tr> <td>d.</td><td>Area under TE / PO</td><td>441.29</td></tr> <tr> <td>e.</td><td>PARK &amp; COMMON OPEN SPACE</td><td>30848.02</td></tr> </table>	S. No.	Particulars	Area (sq. m)	1	AREA UNDER RESIDENTIAL USE	52637.20	a.	Area Under Group Housing-3	5916.70	b.	Area Under Plotted Development (Villas)	46720.50	2	AREA UNDER COMMERCIAL USE	1474.58	a.	Area Under Convenient Shopping	1474.58	3	AREA UNDER FACILITIES	8741.32	a.	Area under Substation	3948.97	b.	Area under Treated Water Plant	1469.42	c.	Area under STP	2881.64	d.	Area under TE / PO	441.29	e.	PARK & COMMON OPEN SPACE	30848.02
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		f.	AREA UNDER ROADS	91255.64
		Total		184956.77
4.	New/Expansion/Modernization	The Proposed project is a new Residential & Commercial Township Project.		
5.	Existing Capacity/Area etc.	Not Applicable, as this Residential & Commercial Township Project is a fresh Project.		
6.	Category of Project i.e. 'A' or 'B'	As per EIA Notification dated 14.09.2006 and as amended time to time, the project falls in Category 'B', Project activity S. No. - 8 (a)		
7.	Does it attract the general condition? If yes, Please specify.	No, it does not attract the general condition, as General Conditions are not applicable on S. No. – 8 projects of EIA Notification dated 14.09.2006.		
8.	Does it attract the specific condition? If 'yes, please specify.	No, it does not attract the specific condition, as Specific Conditions are not applicable on S. No. – 8 projects of EIA Notification dated 14.09.2006.		
9.	Location:			
	Plot/Survey/Khasra. No.	Khasra Nos.: 114/2, 114/5, 115, 129, 122/1, 124/1, 124, 125, 126, 126/1, 127/1, 127/2, 127/3, 127/4 in Village Pal & Khasra No. 210, 211 & 212 in Village Gangana. The land documents are enclosed.		
	Village	Pal & Gangana		
	Tehsil & District	Tehsil & District - Jodhpur		
	State	Rajasthan		
10.	Nearest Railway Station/ Airport along with distance in kms.	<b>Railway Station:</b> (1.) Basni Railway Station is approximately 6.0 km in East direction from the Project Site. (2.) Bhagat Ki Kothi Railway Station is approximately 7.5 km in NE direction from the Project Site. (2.) <b>Jodhpur Airport-</b> Approx 9.0 km in ENE direction from the project site.		
11.	Nearest Town, city, District Headquarters along with distance in kms.	<p><b>Nearest Village:</b> Gangana Village adjacent to project</p> <p><b>Nearest City Jodhpur:</b> Jodhpur is located at a distance of approx. 4.00 Km in East direction from project site.</p> <p><b>Nearest District</b> Jodhpur is located at a distance of approx. 4.0 Km in East direction from project site.</p>		

12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Jodhpur Development Authority (JDA) <b>Address:</b> Opposite Railway Hospital Railway Hospital Road, Ratanada, Jodhpur, Rajasthan 342001 <b>Phone :</b> 0291 261 2086
13.	Name of the applicant	<b>M/s. Aasan Realty Pvt. Ltd.</b>
14.	Registered address	412 A, 4TH Floor, Chiranjiv Tower, 43 Nehru Place, New Delhi-110019
15.	Address for correspondence (1) :	
	Name	Mr. Vaibhav Daga
	Designation (Owner/ Partner/CEO)	Authorized Signatory
	Address	1370, Tara Chand Naib Ka Rasta, Johari Bazar, Jaipur.
	Pin Code	302003
	E-mail	aasanrealty@gmail.com
	Telephone No.	9929057247
	Fax No.	-
	Address for correspondence (2):	J.M. EnviroNet Pvt. Ltd. 202-A, ABW Tower, MG Road, IFFCO Chowk, Sector 25, Gurugram-122001 (Haryana). Mobile No. +91-9785552521 Email: <a href="mailto:jmgurgaon@hotmail.com">jmgurgaon@hotmail.com</a>
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo-sheet.	It is a construction project which is already on a pre-determined site. Keeping in view that the site is for construction project, no alternative site can be given here. <b>Hence Not Applicable in this case.</b>
17.	Interlinked Projects	There is not any interlinked project, related to this project as this is a Residential & Commercial Township Project.
18.	Whether separate application of interlinked project has been submitted	Not Applicable, As this is a Proposed Residential & Commercial Township Project.
19.	If yes, date of submission	Not any, As this is a Residential & Commercial Township Project.

20.	If no, reason	Not Applicable as this is a new Residential & Commercial Township 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, as no approval / Clearance involves under any Notification and under any Act, as it is a Proposed Residential & Commercial Township Project of M/s. Aasan Realty Pvt. Ltd.
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	Not Applicable, As this is a Proposed Residential & Commercial Township Project.
23.	Forest land involved (hectares)	No Forest land is involved in Proposed Project of M/s. Aasan Realty Pvt. Ltd.
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 litigation is pending against the project and/or land in which the project is proposed to be set up.

## 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	The proposed project (Phase-I) is a township Project on 184956.77 sq. m. vacant land. (Land documents are enclosed).  There will be green-area development for project 30848.02 sq. m (~ 10 % of total plot Area) to provide beautiful and natural environment to the site.
1.2	Clearance of existing land, vegetation, and buildings?	Yes	The proposed site is an open land, with scanty vegetations mainly herbs and low lying shrubs & possesses existing no structure. Hence no clearance of structure and vegetation will be required.  Site photographs showing the present condition of the site has been enclosed.
1.3	Creation of new land uses?	No	As the project site is earmarked for residential and commercial project; hence no change in land use is envisaged.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Soil investigation was carried out and the results were found satisfactory.
1.5	Construction works?	Yes	The construction activities will be confined within the project site; there will be no physical changes due to project development activities outside the project boundary.
1.6	Demolition works?	No	The proposed site is an open land, possesses no existing structure. Hence no demolition is required.

1.7	Temporary sites used for construction works or housing of construction workers?	Yes	The construction activities will be confined within the project site only. Temporary local hutments will be provided to the workers including all the domestic facilities during construction phase.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavation will be carried out for foundation and leveling. The total soil generated through digging will be used at the site itself for the purpose of development of project site and horticultural development.
1.9	Underground works including mining or tunneling?	No	No underground works including mining / tunneling is required except excavation of soil is required to be carried out for the purpose of construction.
1.10	Reclamation works?	No	No reclamation work required.
1.11	Dredging?	No	No dredging required, as case of construction of new building construction project.
1.12	Offshore structures?	No	No offshore structures required.
1.13	Production and manufacturing processes?	No	Since, it is a building construction project, hence, no production / manufacturing process shall be done in the project premises.
1.14	Facilities for storage of goods or materials?	Yes	<p>Separate raw material storage yard will be made during construction phase:</p> <p>Cement will be separately stored under cover in bales.</p> <p>Sand will be stacked neatly under tarpaulin cover.</p> <p>Bricks and steel will be laid in open</p> <p>The raw material handling yard will be located within the project site and separated by enclosures.</p>

1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p><b><u>Solid Waste:</u></b></p> <p>The solid waste generated from the project (Phase-I) will be domestic in nature.</p> <p><b><u>Construction Waste:</u></b></p> <p>Left over cement and mortars, cement concrete blocks, aggregate, sand and other inorganic material will be recycled and reused as granular sub base (GSB) layer of pavement. Earth rendered surplus from the excavation will be utilized in the embankment works.</p> <p><b><u>Operational Phase:</u></b></p> <p><b>SOLID WASTE GENERATION:</b> - 1931 kg/day</p> <p>(i) From Residential/Permanent population:  <math>3960 \times @ 450 \text{ gm /person/day} = 1782 \text{ kg/day}</math></p> <p>(ii) From Floating/Commercial Fixed population:  <math>596 \times @250 \text{ gm /person/day} = 149 \text{ kg/day}</math></p> <p><b>Biodegradable &amp; non bio degradable waste:</b></p> <p>(i) Biodegradable Waste generation: 1931 (Total Solid waste) <math>\times 60\% = 1159 \text{ kg/day}</math></p> <p>(ii) Non -Biodegradable Waste generation: 1931 (Total Solid waste) <math>\times 40\% = 772 \text{ kg/day}</math></p> <p><b>(A) Dry Waste generation:</b> - 1079 kg/day</p> <ul style="list-style-type: none"> <li>From Residential population: <math>3960 \times @250 \text{ gm /person/day} = 990 \text{ kg/day}</math></li> <li>From Floating population: <math>596 \times @150 \text{ gm /person/day} = 89 \text{ kg/day}</math></li> </ul> <p><b>(B) Wet Waste generation:</b> - 852 kg/day</p> <ul style="list-style-type: none"> <li>From Residential population: <math>3960 \times @ 200 \text{ gm /person/day} = 792 \text{ kg/day}</math></li> <li>From Floating population: <math>596 \times @100 \text{ gm /person/day} = 59.6 \text{ kg/day}</math></li> </ul>
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			<p>/person/day = 60 kg/day</p> <p><b>E-waste:</b> E-waste will be generated 0.15MT/annum after 5 Years, shall be sold to authorize Vendors.</p> <p><b>C &amp; D WASTE:</b> C &amp; D waste will be generated 8-10% of total construction material.</p> <p><b>Liquid Effluent:</b> <b>During construction phase:</b> sewage will be treated and disposed through septic tanks with soak pits. <b>During operation phase:</b> Total 319 KLD of waste water will be generated in Phase-I of the project which will be treated in the STP of 351 KLD capacity. Dewatered/ dried sludge from STP will be used as manure in horticulture after proper digestion.</p> <p><b>Hazardous Wastes:</b> No hazardous wastes will be produced from project activities except some Spent Oil (Category 5.1) generated from D.G. sets; it will be sold to recyclers authorized by State Pollution Control Board.</p>
1.16	Facilities for long term housing of operational worker	No	No facilities for long term housing of operational worker are proposed as this is construction project for construction worker temporary local hutments will be provided to the workers including all the domestic facilities during construction phase.
1.17	New road, rail or sea traffic during construction or operation?	No	<p>The Project site has good connectivity to NH-112 &amp; SH-16 connected to other cities.</p> <p>Basni Railway Station is approximately 6.0 km in N direction from the Project Site., Bhagat Ki Kothi Railway Station is approximately 7.5 km in</p>



			NE direction from the Project Site and Jodhpur Airport is approx 9.0 km  The project site is well connected by network of roads leading to various parts of state. Thus, no new road will be laid during construction or operation of the project activities except internal roads & pathways for smooth movement of Vehicles & personals.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	The proposed site is well connected by roads to whole of the city; The nearest highway is NH-112 which is 0.6 km away from the project site.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not applicable, Since the site is connected to NH-112 which has low traffic density, there will be no need for diversion or closure of existing traffic routes.
1.20	New or diverted transmission lines or pipelines?	No	There will not be any provision for new or diverted transmission lines or pipelines for Proposed Project.
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	As, such no river or drain is passing through the project site.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Total water requirement of proposed project (Phase-I) will be 538 KLD, which will be included the fresh water requirement of 267 KLD and recycled treated water requirement of 271 KLD for flushing. Total waste water generation from the project (Phase-I) will be 319 KLD, which will be includes 80% of sewage generation from domestic uses and 100% of flushing uses. The

			<p>total capacity of STP will be 351 KLD. Treated water recovery from STP in Phase-I will be 287 KLD, out of which 96 KLD water will be reuse in flushing of toilets, 155 KLD in Green Area Development/Plantation, 20 KLD in Floor/Vehicle washing and (16 KLD Excess treated water will be used in irrigation of municipal; road side green area, our other construction project.).</p> <p>The fresh water requirement of the project will be reduced by adopting Water Conservation Measures in proposed construction project.</p> <p>The water will be sourced from Municipal water supply department.</p>
1.24	Changes in water bodies or the land surface affecting drainage or runoff?	Yes	<p>Runoff will increase due to increased paved surface. However, increased runoff will be managed by well designed rain water harvesting system and storm water management plan.</p>
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	<p>Transport of personnel/ material during construction and operation phase are envisaged.</p> <p>Road network for smooth flow of traffic and adequate parking space will be provided for operational phase.</p> <p>During operational phase, total parking space 765 ECU will be provided for Phase-I of the project.</p>
1.26	Long-term dismantling or decommissioning or restoration works?	No	<p>No long term dismantling/ decommissioning is Proposed.</p>
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	<p>No decommissioning activity is involved, Thus no impact on the environment by the proposed project</p>
1.28	Influx of people to an area in either	Yes	<p>All the workers employed / hired will be from</p>

	temporarily or permanently?		nearby areas. Hence, there will be minor influx of people in the area. Temporarily approx 100-150 influx of labours at site during the construction phase and during operation phase approx 4556 Persons will be involved in the proposed project.
1.29	Introduction of alien species?	Yes	The landscaping will be carried out with mainly local species with a few ornamented varieties of flora that are well suited to the local condition like <i>Ficus religiosa</i> (Pipal), <i>Saraca asoca</i> (Ashok), <i>Dalbergia sissoo</i> (Shisham), <i>Delonix regia</i> (Gulmohar), <i>Alostonia scholaris</i> (Saptparni), <i>Phoenix sylvestris</i> (Khajoor), <i>Plumeria alba</i> (Champa), <i>Cassia fistula</i> (Amaltas), <i>Azadirachta indica</i> (Neem), <i>Thespesia populaenea</i> (Paras pipal) etc.
1.30	Loss of native species or genetic diversity?	No	No loss of native species or genetic diversity has been reported so far.
1.31	Any other actions?	None	No other action will be undertaken except the above mentioned for proposed construction project

**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	The Proposed Residential & Commercial Township on 308425.19 sq. m (76.21 Acres) vacant land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement of proposed project (Phase-I) will be 538 KLD, which will be included the fresh water requirement of 267 KLD and recycled treated water requirement of 271 KLD for flushing. Total waste water generation from the project (Phase-I) will be 319 KLD, which will be includes 80% of sewage generation from domestic uses and 100% of flushing uses. The total

			<p>capacity of STP will be 351 KLD. Treated water recovery from STP in Phase-I will be 287 KLD, out of which 96 KLD water will be reuse in flushing of toilets, 155 KLD in Green Area Development/Plantation, 20 KLD in Floor/Vehicle washing and (16 KLD Excess treated water will be used in irrigation of municipal; road side green area, our other construction project.).</p> <p>The fresh water requirement of the project will be reduced by adopting Water Conservation Measures in proposed construction project.</p> <p>The water will be sourced from Municipal water supply department.</p>
2.3	Minerals (MT)	Yes	Sand and stone aggregates will be use as Construction material.
2.4	Construction material-stone, aggregates, sand/ soil (expected source-MT)	Yes	<p>The conventional construction material will be used. Energy efficient building materials will be used as specified in the Energy Conservation Building Code. The major materials used for the construction of the proposed project shall be steel, cement, bricks, metal, flooring tiles/stones, sanitary and hardware items, electrical fittings and water etc.</p> <p>Source: Steel and cement will be procured from authorized vendors.</p> <p>Sand &amp; aggregate will be procured from local material suppliers.</p>
2.5	Forests and timber (source-MT)	No	Timber required will be taken from near by markets.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	<p>Electricity will be sourced from JDVNL</p> <p>DG Sets will be used in case of power failure only.</p> <p>High sulphur diesel (HSD) will be used as fuel to run standby D.G. sets.</p>
2.7	Any other natural resources (use appropriate standard units)	None	No other natural resource will be involved in the project except the mentioned above.

**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	The Proposed Residential & Commercial Township Project hence no storage of hazardous chemicals (as per MSIHC rules) will be done, except HSD required to run standby D.G. sets, for which the quantity stored will be below the threshold limit specified in the MSIHC rules. Necessary permission will be obtained from the Explosives Dept.
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 in both construction and operational phase, which will restrict the 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 increase due to increase employment opportunity provided by this project. This will lead to better quality of life and will also set a standard for future development 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	No effect is envisaged due to this project, as this is a Township Project.
3.5	Any other cause	None	No, other causes are involved except the mentioned above.

**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	No such spoil, overburden, or mine wastes will be generated as this is a Building Construction Project. There will be excavation activity done for construction of building. The total soil generated will be used at the site itself for the purpose of horticulture, landscaping, Backfilling activities.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Solid wastes likely to be generated in Phase-I of the project are of domestic nature.  Domestic wastes amounting 1931 kg/day will be collected from designated location and segregated into inorganic and organic wastes. The inorganic non- biodegradable wastes will be sold to vendors for recycling and the organic biodegradable wastes (waste vegetables, foods etc.) will be composted in Organic Waste Converter and converted into manure.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Spent Oil from D.G. sets will be carefully stored in High Density Poly Ethylene (HDPE) drums in isolated covered facility. This spent oil will be sold to vendors authorized for the treatment of same. Suitable care will be taken so that spills / leaks of spent oil from storage could be avoided.  Hazardous And Other Wastes (Management and Trans boundary Movement) Rules, 2016
4.4	Other industrial process wastes	No	Not applicable, as this is a building construction project.
4.5	Surplus product	No	Not applicable, as this is a building construction project.

4.6	Sewage sludge or other sludge from effluent treatment	Yes	The mechanism of sludge drying will be centrifuge and the dewatered/ dried sludge from STP will be converted to cakes and will be used as manures in horticulture after proper digestion.
4.7	Construction or demolition wastes	Yes	Construction waste generation will be limited to the construction phase only and will be limited to project site only. These will be reused for backfilling after manual segregation. Unusable and excess construction debris will be disposed at designated places in tune with the local norms. These wastes will be used for road development activities.
4.8	Redundant machinery or equipment	No	No Redundant machinery or equipment is involved.
4.9	Contaminated soils or other materials	No	No Contaminated soils or other materials are involved.
4.10	Agricultural wastes	No	No agricultural waste will be generated during construction phase.
4.11	Other solid waste	No	Not applicable, as this is construction of township project.

**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>The operation of proposed project does not envisage any major air pollutant generating sources except D.G. sets and vehicular movement. The emissions from stationary sources (D.G. sets) have been predicted. The DG sets will be the only source of Air emission Used during the operation phase in case of power failure. The DG Stacks of adequate height will be provided (as per the CPCB norms) to disperse the pollutants generated from D.G Sets.</p> <p>The Pollution generated from the vehicular movement will be check by maintenance &amp; regular check up of</p>

			vehicle & Local native plants will be use in tree plantation all around the project site and road side to reduce the impact of pollution.
5.2	Emissions from production processes	No	No production process involved. Hence, there will be no such emission.
5.3	Emissions from materials handling including storage or transport	Yes	Small quantity of fugitive emission is envisaged during transport and handling of construction material. Such emission will be temporary and controlled by providing water sprinkling and other viable technique.  Regular water sprinkling & tarpaulin covers will be provided to prevent dust emissions.
5.4	Emissions from construction activities including plant and equipment	Yes	This will be restricted to the construction phase and to the construction site only. Though, it will be negligible in amount as it will occur from the equipments movement involved in the construction, still suitable preventive measure will be taken.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust is likely to be generated during construction. Water sprinkler and tarpaulin covers will be provided over stored raw material to reduce dust emission.  On site sanitation facilities will be provided for construction workers during construction phase. Hence, no odor generation is envisaged.
5.6	Emissions from incineration of wastes	No	Not applicable, as this is building construction project and there will be not any incineration waste involved in this project.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not applicable, as this is a building construction project. So, Open burning of biomass / other material will be prohibited.
5.8	Emissions from any other sources	No	No other Emissions from any other sources, except mentioned above.



**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
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	<p>The machinery which will be used for construction will be of high standard and will adhere to international standard. These standards itself take care of noise pollution control / vibration control and air emission control. Hence insignificant impacts due to construction machinery are envisaged. Apart from this, the construction activities will be restricted to daytime only.</p> <p>Sources of noise in the operational phase will be D.G. sets and from vehicular movements only. D.G. sets will be kept in acoustic enclosures/room. The D.G. sets will be used during power failure only and will generate noise level below 75 dB (A).</p>
6.2	From industrial or similar processes	No	<p>No major noise and vibration generating activities are involved in the project, except due to running of various construction equipments/ machinery &amp; D.G. Sets during renovation &amp; expansion phase of the project. Proper maintenance of machineries will reduce the generation of noise and vibration. All the workers will be equipped with PPE's during construction phase and the D.G. Sets will be installed in acoustic enclosures with proper padding system to reduce vibration impact.</p>
6.3	From construction or demolition	Yes	<p>Due to the various construction activities, there will be short-term noise impacts in the immediate vicinity of the project site. The construction activities will include the following noise generating activities:</p> <p>Excavation activities</p> <p>Concreting and mixing</p>

			Construction plant Heavy vehicle movement and Operation of D.G. sets
6.4	From blasting or piling	No	No blasting or mechanized piling will be done as this a building construction project.
6.5	From construction or operational traffic	Yes	Some noise will be generated from vehicular movement in the construction and operational phase.  Local native plants will be use in tree plantation all around the project site and road side to reduce the impact of the air and Noise pollution.
6.6	From lighting or cooling systems	No	No significant noise impact will result from lightening or cooling system.
6.7	From any other sources	No	There will be no other sources for noise & vibration generation except the mentioned above

**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	The used oil from D.G Set will be carefully stored in HDPE drums at isolated storage and periodically sold to authorized recyclers. All precaution will be taken to avoid spillage from storage as per the Hazardous Wastes (Management, Handling & Tran boundary Movement) rules 2016 as amended time to time.
7.2	From discharge of sewage or other effluents to water or the land(expected mode and place of discharge)	No	There will be no discharge of untreated sewage on land. Adequate treatment of sewage will be carried out in STP of capacity 351 KLD for entire land area, proposed within the project premises. Treated sewage will be reused for flushing & green area development.

7.3	By deposition of pollutants emitted to air into the land or into water	yes	Minor Air emissions will be generated due to increased vehicular movement and occasional use of D.G. sets for which effective measures will be taken like adequate greenbelt development and use of low sulphur diesel in D.G. sets etc. So there would not be any deposition of pollutants emitted to air, land or water.
7.4	From any other sources	No	No any other sources are involved except the mentioned above.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	Likelihood of such an event is not foreseen till now in the area and suitable measures will be adopt to control and reduce emission, so that there will be no such risk in the coming future.

**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	No	<p>This is a building construction project and does not involve major hazardous construction activity. Hence chances of explosions, spillages, fires etc. are minimal.</p> <p>During construction, suitable personal protective equipment will be provided to all construction workers as required under the health &amp; safety norms. Awareness &amp; Training about safety norms will be provided to all the supervisors and construction workers involved in construction activities</p> <p>No major hazardous waste will be stored within project site. No industrial or process activity is involved in this project hence chances of chemical hazards and accidents are minimal. However, suitable fire fighting measures will be provided to reduce chances of fire-accidents.</p>
8.2	From any other causes	No	No any other causes are involved except the mentioned above.

8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	The area is not prone to flood, landside. There has no report of earth quake and cloud burst in the area. Structural design has been done to take care of Seismic Zone requirements.
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**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 utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.	Yes	The proposed project is for Residential use; it may lead to development of supporting services and infrastructure in and around the area.
	• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	Yes	The project will have positive impact on the ancillary infrastructure like roads, markets, public health, amenities, conveyance facilities etc. in the area.
	• housing development	Yes	The Project is a proposed Housing Project.
	• extractive industries	No	Not applicable, as this is a building construction project.
	• supply industries	No	Not applicable, as this is a building construction project.
	• other	No	Not applicable, not other action will be required except mentioned above.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Negligible impact is envisaged on air, noise and aesthetic parameters due to the proposed project.

9.3	Set a precedent for later developments	No	Not applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	The proposed Building Construction Project. A better-planned and executed project has to yield better result individually

## II. ENVIRONMENTAL SENSITIVITY

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary		
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	Mehran Garh Fort	Mehran Garh Fort approx. 11 km in NE Direction From Project site		
	Areas which are important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Dand Nada Golasni Nada Kokdiya Nada Dand Nada Reserved Forest Khetandi Nadi Dand Nadi Bharatiyo Nadi Takht Sagar Nimbali Nadi Jojri Nadi Kailana Talav Rani Sgar Talab Padamsar Talab Gulab Sager Fateh Sagar Naya Talab	<b>Name of Place</b>	<b>Distance in KM</b>	<b>Direction form project site</b>
			Dand Nada	~1.0	SE
			Golasni Nada	~1.6	NW
			Kokdiya Nada	~4.5	S
			Dand Nada	~5.9	WSW
			Reserved Forest	~6.0	N
			Khetandi Nadi	~6.3	S
			Dand Nadi	~6.3	ESE
			Bharatiyo Nadi	~6.4	SE
			Takht Sagar	~7.3	NNE
			Nimbali Nadi	~7.8	SSE
			Jojri Nadi	~8.7	SE
			Kailana Talav	~9.2	NNE
			Rani Sgar Talab	11.00	NNE
			Padamsar Talab	11.00	NNE
			Gulab Sager	~11.5	NE

			Fateh Sagar	~12.0	NE
			Naya Talab	~12.5	NE
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	None	None, within 15 km of the proposed project site		
4	Inland, coastal, marine or underground waters	None	Not located within 15 km of the proposed project location		
5	State, National boundaries	None	There is no State or National Boundary within 15 km.		
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	NH-112, SH-16, NH-65, NH-114	<b>Name of Place</b>	<b>Distance in KM</b>	<b>Direction form project site</b>
			NH-112	~6.0	ESE
			SH-16	~6.0	ESE
			NH-65	~7.0	ENE
			NH-114	~10.5	NNW
7	Defense installations		Army Cantonment Area approx. 13 KM in NE direction from Project site.		
8	Densely populated or built-up area	Pal Village Gangana Village Bujhawar Basni Silawatan Boranara Doli Jhanwar Sangariya (CT) Jodhpur (M Corp. + OG) Narnadi	There are numerous places of Densely populated or built-up area, Some of them listed below:		
			<b>Name of Place</b>	<b>Population</b>	<b>Distance in KM</b>
					<b>Direction form project site</b>
			Pal Village	20621	~1.5
					East
			Gangana Village	2735	~1.0
					East
			Bujhawar	1067	~3.5
					West
			Basni Silawatan	1961	~3.0
					South
			Boranara	5428	~ 4.5
					SSW

		Salawas Khudala Mogra Khurd	Doli	5163	~7.0	SW
			Jhanwar	5648	~8.0	WSW
			Sangariya (CT)	22853	~8.5	ESE
			Jodhpur (M Corp. + OG)	1056191	~5.0	ENE
			Narnadi	3861	~7.5	SSW
			Salawas	6592	~11.5	SE
			Khudala	2976	~13.0	WSW
			Mogra Khurd	851	~14.0	SE
9	Areas occupied by sensitive manmade land uses(hospitals, schools, places of worship, community facilities)	Jai Durgesh Sec. School, Pal Gaon	There are number of major hospitals, schools etc. There are numerous places of worship and community within the project influenced area. Some of them listed below:			
		Euro Kids Pre-School, Pal Gaon				
		Govt. Sec. School- Pal Gaon	<b>Name of Place</b>	<b>Distance in KM</b>	<b>Direction form project site</b>	
		Delhi Public School, Pal Gaon	Jai Durgesh Sec. School, Pal Gaon	~1.0	WNW	
		Medipulse Hospital, Jodhpur	Euro Kids Pre-School, Pal Gaon	~1.0	East	
		Fortis Balaji Heart Centre, Jodhpur	Govt. Sec. School- Pal Gaon	~1.0	ENE	
		Dhanwantari Hospital	Delhi Public School, Pal Gaon	~1.3	ENE	
		ESI Hospital Jodhpur	Medipulse Hospital, Jodhpur	~3.5	ENE	
		Sai Baba Temple, Pal Gaon	Fortis Balaji Heart Centre, Jodhpur	~4.5	ENE	
		Shree Shreeyade Mata Temple Pal Gaon	Dhanwantari Hospital	~5.0	ENE	
		Jain Temple, Jodhpur	ESI Hospital Jodhpur	~5.5	ENE	
			Sai Baba Temple, Pal Gaon	~1.0	East	

		Pal Balaji Temple, Jodhpur	Shree Shreeyade Mata Temple Pal Gaon	~1.5	ENE
		Vishni Mandir, Basni Silawatan	Jain Temple, Jodhpur	~4.5	ENE
		Ma Kali Temple, Bujhawar	Pal Balaji Temple, Jodhpur	~5.0	ENE
		Chhamunda Mata Mandir, Boranara	Vishni Mandir, Basni Silawatan	~3.5	South
			Ma Kali Temple, Bujhawar	~4.0	West
			Chhamunda Mata Mandir, Boranara	~5.0	SW
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Not located within 15 km of the proposed project location		
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	No Environmental damage reported from the area so far. All parameters of Air, Water, and Noise etc. will be maintained within permissible limits specified by SPCB / CPCB with proper mitigation measures.		
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)	No	The area under study falls in Zone-II, according to the Indian Standard Seismic Zoning Map. Suitable seismic coefficients in horizontal and vertical directions respectively, will be adopted while designing the structures to mitigate the seismic impacts.  There are no possibilities of the proposed project site getting flooded as per records available.		

**IV Proposed Terms of Reference: Not Applicable.**



"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 give, if any to the project will be revoked at our risk and cost."

Date:

Place:

Signature of the applicant  
  
(Authorized Signatory)

For, M/s. Aasan Reality Pvt. Ltd

**NOTE:**

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden "thereon (at the stage of EC)."
3. All correspondence with the Ministry of Environment & Forests including submission "of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project".

