Environment Clearance Application

FORM I

International Sports Academy cum Cricket Stadium

AT

VILLAGE- THERA, TEHSIL-RAJGIR, DIST. NALANDA, BIHAR

For

BUILDING CONSTRUCTION DEPARTMENT, GOVERNMENT OF BIHAR

ENVIRONMENT CONSULTANT- Amaltas Enviro Industrial Consultants LLP (AEC)

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ANNEXURES

APPENDIX I
(See paragraph – 6)
FORM 1

I. Basic Information

S. No.	Item	Details
1.	Name of the project/s	Proposed International Sports Academy cum Cricket Stadium by Building Construction Department, Government of Bihar
2.	S. No. in the schedule	Schedule 8 (a): Building/Construction projects/Area Development Projects and Townships, of EIA Notification 2006 and its amendments
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	Plot Area = 3,65,958.725 m^2 (36.59 Hectare) Total FAR = 1,45,686.534 m^2 Built Up Area = 1,47,735.004 m^2
4.	New/New/Modernization	New
5.	Existing Capacity/Area etc.	-
6.	Category of Project i.e. 'A' or 'B'	As per the EIA Notification 2006,and its amendments Project falls under Category B
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	
	Khasra No.	***Refer Annexure 1 of conceptual Plan***
	Village	Thera
	Tehsil	Rajgir
	District	Nalanda
	State	Bihar

10.	Nearest railway station/airport along with distance in kms.	Nearest Railway Station: • Nekpur Railway station (Approx. 2.63 km, SSW) Nearest Airport: • Gaya airport (52.21 km, NE) (Source of information:- Google Earth Pro)
11.	Nearest Town, city, District Headquarters along with distance in kms.	Nearest City: Project site falls within Rajgir city. District Headquarters is at distance of approx.5.21 km.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Rajgir Nagar Panchayat Rajgir 803116 Telephone Number : 06477-235203
13.	Name of applicant	Building Construction Department, Government of Bihar
14.	Registered Address/Correspondence Address	Visheshwariya Bhawan, Bailey Road, Jawahar Lal Nehru Marg, Patna Bihar 800015 0612-2545656
15.	Name Designation (Owner/Partner/CEO) Address Pin Code Telephone No. E-mail Fax No.	Subash Kumar Executive Engineer, Construction Division-NO-1, BCD PATNA 800001 0612-2545656 Bsbccl.patna@yahoo.com
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet.	No
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project 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?	Proposal involves approval/ clearance under : (a)The forest (Conservation) act, 1980: NA (b) The wildlife (Protection) act, 1972: Yes. (C) The C.R.Z Notification, 1991:NA
22.	Whether there is any Government Order/Policy relevant/relating to the site?	• Bihar Building Bye-Laws 2014 • National Building Code (NBC) of India for construction of building 2016. • Unified Building Bye Laws Delhi 2016 • Water Pollution (Prevention & Control) Act, 1974,Air Pollution (Prevention & Control) Act, 1981 • Environment Protection Act, 1986 • Municipal Solid Waste Rules, 2016 • Hazardous Waste Management & Handling Rules,2008 • EIA Notification, 2006 and its amendments 2016 • Manual on norms and standards for environment clearance of large construction projects issued by MoEF.
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and /or land in which the project is propose 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	Land has been allotted for setting up International Sports Academy cum Cricket Stadium by Government Of Bihar. As per the local land use plan, site comes under open zone land use, so, No change in land use, however topography of the site may vary as presently site is vacant and in future site will be used as playgrounds and stadiums for hosting national and international matches.
1.2	Clearance of existing land, vegetation and buildings?	No	As site is vacant plot so no clearance of existing land is involved. The construction of project does not require any clearance of existing Land, Vegetation & Building as proposed on vacant plot.
1.3	Creation of new land uses?	Yes	There will be development of international sports academy and cricket stadium for hosting domestic, national and international matches.

Table 1- Ground Coverage and FAR details of Proposed Building

BLOCK NAME	No. OF STOREY	GR. COVERAGE AREA (m^2)	F.A.R. AREA (m^2)
BLOCK-1			
Reverse Pavilion - 1A	**G+2**	5,556.353	16,850.070

	Pavilion - 1B	**G+5**	4,184.451	13,981.373
	General Stand East - 1C	**G+2**	6,636.702	21,471.921
	General Stand West - 1C	**G+2**	6,636.702	21,471.921
	BLOCK-3			
	Football Field Toilet - 3A	**Gr. Floor**	204.615	204.615
	Basket ball court toilet - 3C	**Gr. Floor**	145.255	145.255
	Diving Pool - 3H	**Gr. Floor**	526.496	526.496
	Block-4			
	Football Field Toilet - 4B	**Gr. Floor**	193.259	193.259
	Block-5			
	Sports Hall - 01 - 5A	**G+1**	3,799.795	6,503.831
	Sports Hall - 02 - 5B	**G+1**	3,872.509	6,408.744
	Sports Hall - 03 - 5C	**G+1**	3,799.795	6,501.347
	Sports Hall - 04 - 5D	**G+1**	3,799.795	5,899.688
	Sports Hall - 05 - 5E	**G+1**	3,872.509	6,408.744
	Sports Hall - 06 - 5F	**G+1**	3,799.795	6,354.296
	Administration - 5G	**G+2**	2,572.750	6,615.734
	Block-6			
	Player's Facility - 6B	**Gr. Floor**	377.330	377.330
	Driver's facility - 6C			
	Receiving Station/ESS/DG Sets - 6D	**Gr. Floor**	2,146.889	
	Chillers Plant - 6F			
	Block-7			
	Director's Bungalow - 7A	**Gr. Floor**	216.165	216.165
	Deputy & Asst. Deputy Director's Residence - 7B & 7C	**G+2**	338.247	971.029
	Staff Quarter Type - IV - 7D	**G+7**	625.996	4,544.762
	Staff Quarter Type - III - 7E	**G+3**	362.743	1,384.181
	Guest Room + Coaches Suites - 7F	**G+7**	546.823	3,818.836
	Transit Hostel - 7G+6A	**G+4**	985.190	4,358.317
	Girl's Hostel - 7H	**G+4**	642.398	2,792.344
	Dining Block - 7J	**Gr. Floor**	1342.595	2,256.138
	Boy's Hostel - 7K	**G+4**	1,158.441	5,088.189
	Menial Block - 7L	**Gr. Floor**	129.625	129.625
	Gate House	**Gr. Floor**	224.324	212.324
	SUB TOTAL		**58,697.547**	**1,45,686.534**
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Pre construction investigation of soil shall be done.	

1.5	Construction works?	Yes	All construction activities of proposed area will be confined within the project premises; there will be no physical changes outside the project boundary.
1.6	Demolition works?	No	Construction shall be done in the vacant plot. So, no demolition works required.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	All the construction activity including stocking of raw materials will be confined within the project site only. Temporary labour hutments are proposed. Local labours from nearby area will be hired. Sanitation facilities will be developed at site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Above ground buildings will include residential blocks, commercial and sports complexes etc. other than this, there will be provision of cut and fill for foundation, and other MEP services etc.
1.9	Underground works including mining or tunneling?	No	No underground works including mining/ tunneling is required.
1.10	Reclamation works?	No	No reclamation work required.
1.11	Dredging?	No	No dredging required.
1.12	Offshore structures?	No	No offshore structures required.
1.13	Production and manufacturing processes?	No	No production/ manufacturing process involved as the project is building construction project.

1.14	Facilities for storage of goods or materials?	Yes	Raw material will be stored at site in a covered area. Cement will be separately stored under cover in bales. Sand will be stacked neatly under tarpaulin cover. Bricks and steel will be laid in open.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	**Solid Waste:** The solid waste generated from the project will be in the form of: **Construction Waste:** Left over cement and mortars, cement concrete blocks, aggregate, sand and other inorganic material will be recycled and reused as granular subbase (GSB) layer of pavement. **Operational Phase:** The solid waste generated from project will be mainly domestic in nature and the quantity of the waste for the project area will be 9,412 kg/day (@ its peak). Solid wastes generated will be segregated into biodegradable (waste vegetables and foods etc.) and non-biodegradable (papers, cartons, thermocol, plastics, glass etc.) components and collected in separate bins. The biodegradable organic wastes will be treated inside the premises. Recyclable and non-recyclable wastes will be disposed through Govt. approved agency. **Liquid effluents:** During construction phase, sewage will be treated and disposed through septic tanks with soak pits. The waste water in operation phase of the project

			area will be treated up to tertiary level in a STP of 1,145 KLD capacity and the treated sewage will be reused for toilet flushing (654 KLD), DG cooling and HVAC (258 KLD) and greenbelt development (461 KLD). During the dry season surplus water will be required to met recycled water demand i.e. 418 KLD however during monsoon season 43 KLD of surplus treated wastewater will be re utilized in other nearby areas. Dewatered/dried sludge generated from the STP plant will be used as manure for green belt development.
1.16	Facilities for long term housing of operational workers?	No	Local laborers will be hired from nearby areas during construction phase. So, there will be no need to create permanent facilities for long-term housing of operational workers.
1.17	New road, rail or sea traffic during construction or operation?	No	The site has good connectivity to SH-71 about 0.80 km and Bathani Rajgir Road about 1.00 km away from the project site. Only internal roads; paths will be developed for vehicular movements for transportation of construction material during construction phase.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	The site is well connected through the road network. The site has good connectivity to SH-71 about 0.87 km and Bathani Rajgir Road about 1.20 km away from the project site

1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Since the site is near to SH-71 about 0.87 km and Bathani Rajgir Road about 1.20 km away from the project site 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 new/diverted transmission lines or pipelines around the New 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	There are no streams running across the site.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	Total 738 KL amount of water will be required during the construction area which will be provided by private water tankers. During operation phase, water supply will be provided through municipal supply/bore-wells. About 407 KLD of fresh water will be required during operation phase (@ its peak) of the project.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	Runoff will increase due to increased paved surface. However, increased runoff will be managed by well-designed rainwater harvesting system and storm water management plan.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During the construction phase, about 15-20 trucks are estimated per week. Adequate parking space within the project site for loading and unloading of materials will be provided.

			Area proposed for parking space 49,873.016 m^2 area in open will be provided for the parking.
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?	No	Local laborers from nearby area will be employed during the construction phase. In the operation phase, most of the expected occupants are on the temporarily basis as the participants of the tournaments or the students of the academy.
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 like *Azadirachta indica* and *Cassia fistula* etc.
1.30	Loss of native species or genetic diversity?	No	There will be 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	Y/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information

			data
2.1	Land especially undeveloped or agricultural land (ha)	**No**	Construction of academy cum stadium will be done as per the designated land use allotted by Government of Bihar.
2.2	Water (expected source & competing users) unit: KLD	**Yes**	During construction phase, 738 KL amount of water will be required which will be provided by private water tankers. During operation phase, water supply will be provided through the municipal supply/Borewells. About 407 KLD of fresh water will be required during operation phase of the project.
2.3	Minerals (MT)	**Yes**	Minerals such as sand and aggregates will be required during the construction phase.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	**Yes**	All materials for construction will be arranged through select suppliers.
2.5	Forests and timber (source – MT)	**Yes**	All material forests and timber will be provided by selected suppliers. However steel frames etc shall be used to minimize the use of timber.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	**Yes**	The power supply for site area shall be supplied by Bihar state Power Holding company limited.The maximum demand load for the stadium will be approx. 2,948 kVA, for the academic halls approx. 2,813 kVA and for the residential, electrical load will be approx. 1,205 kVA. To cater the power supply transformers of total capacity 8000 kVA shall be placed. There will be provision of 4(3 × 1000

			kVA, 1× 600 kVA) no. of DG sets of total 3,160 kVA for power back up in the residential, stadium and academic blocks. The DG set will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion. Location of the D.G. set will be on surface.
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)	**Yes**	Diesel for DG sets will be stored in drums in earmarked locations. It shall also be handled as per The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 and Material Safety Data Sheet.
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 (with frequent spray of insecticides etc.) will be adopted in both the construction and operational phase such that there will be 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 improve due to increased employment opportunities provided by this project. This will lead to better quality of life and 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)

<table>
<tr><th>S. No.</th><th>Information/Checklist confirmation</th><th>Yes/No</th><th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th></tr>
<tr><td>4.1</td><td>Spoil, overburden or mine wastes</td><td>No</td><td>No such spoil, overburden or mine wastes will be generated.</td></tr>
<tr><td>4.2</td><td>Municipal waste (domestic and or commercial wastes)</td><td>Yes</td><td>The total municipal (domestic) solid waste to be generated in project is approx. 9,412.04 kg/day.
<table>
<tr><td>Biodegradable waste</td><td>5,647.22 kg/day (Waste vegetables and foods etc.)</td></tr>
<tr><td>Non-biodegradable waste</td><td>2,823.61 kg/day (Papers, cartons, thermocol, plastics, glass etc.)</td></tr>
<tr><td>Inert waste</td><td>941.20 kg/day</td></tr>
<tr><td>Total</td><td>9,412.04 kg/day</td></tr>
</table></td></tr>
<tr><td>4.3</td><td>Hazardous wastes (as per Hazardous Waste Management Rules)</td><td>Yes</td><td>The hazardous wastes along with other wastes in the project will be used oil from DG sets, which is classified as per The Hazardous Waste Category 5.1 as per The Hazardous Wastes (Management & Handling) Rules, 1989.
Used oil from DG sets will be stored in HDPE drums in isolated covered facility. This used oil will be sold to authorized recyclers. Suitable care will be taken so that spills/leaks of used oil from storage are avoided.</td></tr>
<tr><td>4.4</td><td>Other industrial process wastes</td><td>No</td><td>Not applicable</td></tr>
<tr><td>4.5</td><td>Surplus product</td><td>No</td><td>Not applicable</td></tr>
</table>

4.6	Sewage sludge or other sludge from effluent treatment.	**Yes**	Sludge generated from the STP plant will be dried and later will be used as manure for green belt development.
4.7	Construction or demolition wastes	**Yes**	The construction waste will consist of excess earth and construction debris along with cement bags, steel in bits and pieces, insulating and packaging materials etc. Recyclable waste construction materials will be sold to recyclers. Unusable and excess construction debris will be disposed at designated places in tune with the local norms.
4.8	Redundant machinery or equipment	**No**	Redundant machinery will not be generated.
4.9	Contaminated soils or other materials	**No**	Contaminated soils or other materials will not be generated.
4.10	Agricultural wastes	**Yes**	Landscape wastes of 7.59 kg/day will be generated.
4.11	Other solid wastes	**No**	Not other solids will be produced.

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**	The project does not envisage any major air pollution sources except operation of DG sets during power failure and vehicular traffic.
5.2	Emissions from production processes	**No**	No production processes involved. Hence, there will be no such emissions.
5.3	Emissions from materials handling including storage or transport	**Yes**	Small quantities of fugitive emissions are envisaged during transport and handling of construction materials. Such emissions will be temporary and controlled by the use of sprinkling and other viable techniques like covering of loose material.
5.4	Emissions from construction activities including plant and equipment	**Yes**	This will be restricted to the construction phase and the construction site only.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	**Yes**	Dust is 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 will be 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:

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**	Source of noise in the operational phase will be from backup DG sets (which will be in operation only during power failure) and pumps & motors. All the machinery will be of highest standard of reputed make and will comply with standard i.e. The DG set room will be provided with acoustic enclosure to have minimum 25 dB(A) insertion loss or for meeting the ambient noise standard whichever is on higher side as per E (P) Act, GSR 371 (E) and its amendments. Therefore, no significant impact due to operation of machinery is anticipated.
6.2	From industrial or similar processes	**No**	No industrial processes will be carried out in Proposed International Sports Academy cum Stadium.
6.3	From construction or demolition	**Yes**	Due to 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: • Concreting, mixing & operation of DG

			sets. • Construction plant and heavy vehicle movement.
6.4	From blasting or piling	**No**	No blasting or mechanized piling will be done.
6.5	From construction or operational traffic	**Yes**	Some noise will be generated from vehicular movement in the construction and operational phase but that will be mitigated with green belt.
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	**No**	Not Applicable

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 DG sets will be carefully stored in HDPE drums at isolated storage, and periodically sold to authorized recyclers. All precautions will be taken to avoid spillage from storage as per The Hazardous Wastes (Management & Handling) Rules, 1989.
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 or into water bodies. Adequate treatment of sewage generated of the project will be carried out in a STP of 1,145 KLD capacity, proposed within the project premises. Treated sewage will be re-used for flushing, landscaping and recreational uses and rest will be used for

			nearby areas and municipal sewer. External facility will be provided to discharge the excess treated water as per the Water (Prevention and Control of Pollution) Act, 1974.If any.
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. Hence dispersion will be achieved 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 build up 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	To deal with any fire related accident, fire fighting facility of single handed hydrant valve, long hose reel, and portable fire extinguisher shall be provided.
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.)	**No**	The project falls under seismic active Zone IIIindicating high damage risk zone. The buildings will be 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

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.:		
	• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	**Yes**	Appropriate infrastructure like roads, power supply, waste management and waste water treatment will be developed within the project site. Development of the area will be as per the Government of Bihar.
	• Housing development	**Yes**	
	• Extractive industries	**No**	-
	• Supply industries	**No**	-
	• Other	**Yes**	International Sports Academy cum Stadium
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	**Yes**	The project will provide good

	developments		infrastructure and better life style and will set an example for later developments in the areas.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	**No**	Not Applicable

(I) 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	Pant Wildlife Sanctuary	6.67km, SE direction from the Project site
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Pant Wildlife Sanctuary	6.67km, SE direction from the Project site
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	Pant Wildlife Sanctuary	6.67km, SE direction from the Project site
4	Inland, coastal, marine or underground waters	Ground water	The depth of groundwater is 10-15 meter below the ground level.
5	State, National boundaries	none	No state or national boundaries comes under 15km range.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	SH-71 Bathani Rajgir Road National Highway 82	0.80 km, NNE of the project site. 1.00 km, SSE of the project site. 5.33 km, ENE of the project site.
7	Defense installations	none	There are no defense installations in 15km radius.

8	Densely populated or built-up area	Thera Village	0.76 km, North West of the project site.
		Niman Village	0.96 km, NNE, of the project site.
		Nekpur Village	1.92 km, NNE of the project site.
		Katari Village	2.07km, North West of the project site.
		Simraur Baraini	3.19km, North East of the project site.
		Rajgir	5.20km, South East of the project site
9	Areas occupied by sensitive man-made land uses *(hospitals, schools, places of worship, community facilities)*	Nalanda International University	0.88 km, WNW of the project site.
		Gyan Siddh Public School	4.92 km, ENE of the project site.
		New Horizons Public School	5.13 km, ENE of the project site.
		Virayatn Hospital	4.46 km, South East of the project site.
		Netra Jyoti Seva Mndiram	4.66 km, South East of the project site.
		Shree Mahavir Netradham Seva Sansthan	5.36 km, ENE of the project site.
10	Areas containing important, high quality or scarce resources. *(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)*	None	No such areas are present within 15 km of the project site. -
11	Areas already subjected to pollution or environmental damage. *(those where existing legal environmental*	None	There is no such area.

	standards are exceeded)		
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 falls under the zone IIIas per the Seismic Zone Map of India. Adequate measures will be taken during the construction of the proposed project.

"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 at our risk and cost.

Date: 8.12.17
Place: Patna

8.12.17

Signature of the applicant
Subhash Kumar (Executive Engineer)
Construction Division-NO-1,
BCD Patna

Executive Engineer
Construction Division No.-1
B.C.D., Patna

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. and the recommendations of the state Coastal Zone management Authority. 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-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon."
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".