

## Brief Summary of the Project

### “Biswa Bangla Convention Centre”

#### ☉ Introduction

**WBHIDCO** has proposed to build up “Biswa Bangla Convention Centre” at plot no – DG/02/1, DG block, New Town, Kolkata – 700156. The proposed project is a construction project of a Convention Centre along with that there will be 3 nos of Banquet Halls (2nos of Large and 1 no of small), 2 nos of auditorium and a hotel and its total land area is 40470.07sqm

The project “Biswa Bangla Convention Centre” is carefully designed. Layout design allows for smooth movement of pedestrian and vehicular traffic within the complex and surrounding areas. Fresh air, wide open spaces, beautifully designed Landscape gardens to encourage healthy Living. Also green features such as STP, Rain water harvesting, etc. shall be practiced. Hence this project will have overall positive Impact.

#### ☉ Project Location

Proposed project site is located at plot no – DG/02/1, DG block, New Town, Kolkata – 700156. The total land area of the proposed project is 40470.07 sqm.

Sr.	Item	Details
1.	Name of the project/s	<b>“BISWA BANGLA CONVENTION CENTRE”</b> at Plot No. DG/02/1, DG Block, New Town, Kolkata - 700157
9.	Location	New Town
	Plot/Survey/Khasra No.	Plot No. DG/02/1, DG Block, New Town
	Villages	-
	Tehsil	Rajarhat
	District	Kolkata
	State	West Bengal
10.	Nearest railway station Nearest airport	Bidhannagar Railway Station: 13.9 km. Netaji Subhash Bose International Airport Airport – 10 km
11.	Nearest Town, city, District headquarters along with distance in kms.	Salt lake city- 4 Km(aerial)
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal address with telephone nos. to be given)	Kolkata Municipal Corporation (KMC)

## 📍 Project Description

The project area is dedicated for Convention Centre, Details of the project is as below:

- One Main Building of Convention Centre having main Auditorium of capacity 3182 persons, 2 Nos large Banquet Hall with capacity 400 Nos each, a small Banquet hall with Capacity 200, a seminar space with capacity 62 and a cafeteria of 88 capacity
- 2 Nos of small auditorium with capacity 400 each
- Annex Building – B+G+8 (Hotel Block with 103 hotel rooms)

**Table 1: Area Statement**

No.	Description	Total Area (Sq. Mt.)	
<b>A</b>	<b>Net Plot Area</b>	<b>40,470.07</b>	
i	Convention Centre (Main Building)	5347.07	
ii	Annex Block	1971.96	
iii	Small Auditorium	2424.00	
iv	MLCP	970.16	
v	Service Block	4896.53	
<b>B</b>	<b>Total Ground Coverage Area (i+ii+iii+iv+v) (38.57%)</b>	<b>15609.72</b>	
<b>C</b>	<b>Green cover area</b>	On Ground(34.05 %)	13782.95
		50% of semi paved area(0.62 %)	249.42
D	Service Area (1.74%)	705.74	
E	Road / Paved Area (20.5%)	8299.67	
F	Semi Paved Area (1.23%)	498.84	
G	Open Parking Area (3.7%)	1500.72	
<b>H</b>	<b>Total construction Built – up area</b>	<b>56,932.34</b>	

This zone is not susceptible to subsidence and seismicity. As per the Seismic Zoning Map of India, region falls under Zone- III. The structural design is as per IS code 875 and IS- 1893-2002 for Seismic Zone – III of Kolkata.

The project has been conceived mostly using RCC and brick wall. The building materials to be used are of low to moderate-embodied energy as major percentage of construction materials will be covered by cement mixed with fly ash, sand, tiles and reinforcement (steel). A little amount of highembodied energy content material such as aluminium and glass will be used as required for the proposed project.

**Table 2: Occupancy Load**

Sr. No.	Component	Capacity /rooms /BUA/ staff	Criteria for occupancy	Occupancy (Nos)
<b>A</b>	<b>Main Building – Convention Centre</b>			
1	Main Auditorium	3182	Capacity given by client	3182
2	Visitors of 1st Large banquet Hall	400	Capacity given by client	400
3	Visitors of 2nd Large banquet Hall	400	Capacity given by client	400
4	Visitors of Small Banquet Hall	200	Capacity given by client	200
5	Seminar Space of Main building	62	Capacity given by client	62
6	Office Staff	20	Capacity given by client	20
7	Office Visitors		10 % of staff	2
<b>B</b>	<b>Small Auditorium 1</b>			
	Visitors	400	Capacity given by client	400
<b>C</b>	<b>Small Auditorium 2</b>			
	Visitors	400	Capacity given by client	400
<b>D</b>	<b>Annex Building - Hotel Block</b>			
	Guests	No of Room 103	2 persons / room	206
11	Staff		1 staff/ 2 rooms	52
<b>Total Probable Occupancy</b>				<b>5324</b>

Reference: Criteria for Occupancy Load: National Building Code (NBC) -2016, Occupant Load

**Table 3: Parking Statement**

Parking required		Parking Provided		
Main Building.	235 Nos.	Covered	At Annex Building Basement	34
Small Auditorium	33		At MLCP	664
Annex Block	160	Open Car Parking		112
		Open Bus Parking		12
Total Requirement	428	Total Provided		822

*Water requirement for the project:*

- **During Operational Phase:**

- **Water Source :** Bore well and Municipal Supply
- **Water Consumption:**

**Table 4: Water requirement**

Sr. No	Component	Occu pancy (Nos)	Criteria for Water Requirement Per Person/day (L/day)		Water Requirement Per day (kld)		Total Requir ement of water (kld)	
			Domestic	Flushing	Domestic	Flushing		
<b>A</b>	<b>Main Building – Convention Centre</b>							
1	Main Auditorium	3182	5	10	15.91	31.82	47.73	
2	Visitors of 1st Large banquet Hall	400	5	10	2	4	6	
3	Visitors of 2nd Large banquet Hall	400	5	10	2	4	6	
4	Visitors of Small Banquet Hall	200	5	10	1	2	3	
5	Seminar Space of Main building	62	5	10	0.31	0.62	0.93	
6	Office Staff	20	25	20	0.5	0.4	0.9	
7	Office Visitors	2	5	10	0.01	0.02	0.03	
<b>B</b>	<b>Small Auditorium 1</b>							
8	Visitors	400	5	10	2	4	6	
<b>C</b>	<b>Small Auditorium 2</b>							
9	Visitors	400	5	10	2	4	6	
<b>D</b>	<b>Annex Building - Hotel Block</b>							
10	Guests	206	120	60	25	12	37	
11	Staff	52	25	20	1.3	1.03	2.31	
<b>E</b>	<b>Gardening</b>							32
<b>F</b>	<b>Swimming pool/ water bodies</b>							46
<b>G</b>	<b>HVAC Water Makeup</b>							0.12
<b>Total Water Requirement</b>							<b>194.0</b>	
<b>Total Sewage generated</b>							<b>106.00</b>	
<b>Total Treated Sewage available for recycling</b>							<b>95.00</b>	
<b>Required Reused water for Gardening, Flushing and HVAC Makeup</b>							<b>97.00</b>	
<b>Net Water Requirement</b>							<b>99.00</b>	

### **Solid Wastes**

The total quantities of solid waste that will be generated in the project will be 636 kg/day. Out of which 344 kg/day will be non-biodegradable and 292 kg/day will be biodegradable.

**Table 5: Solid Wastes During Operation Phase**

Sr. No	Component	Occu pancy (Nos)	Criteria for Solid Waste Generation (Kg/Person/day)			Solid Waste Generated (Kgs / day)		
			Total	Dry	Wet	Dry	Wet	Total
<b>A</b>	<b>Main Building – Convention Centre</b>							
1	Main Auditorium	3182	0.1	60%	40%	190.92	127.28	318.2
2	Visitors of 1st Large banquet Hall	400	0.1	60%	40%	24	16	40
3	Visitors of 2nd Large banquet Hall	400	0.1	60%	40%	24	16	40
4	Visitors of Small Banquet Hall	200	0.1	60%	40%	12	8	20
5	Seminar Space of Main building	62	0.1	60%	40%	3.72	2.48	6.2
6	Office Staff	20	0.1	60%	40%	1.2	0.8	2
7	Office Visitors	2	0.1	60%	40%	0.12	0.08	0.2
<b>B</b>	<b>Small Auditorium 1</b>							
8	Visitors	400	0.1	60%	40%	24	16	40
<b>C</b>	<b>Small Auditorium 2</b>							
9	Visitors	400	0.1	60%	40%	24	16	40
<b>D</b>	<b>Annex Building - Hotel Block</b>							
10	Guests	206	0.6	30%	70%	37	87	124
11	Staff	52	0.1	60%	40%	3.09	2.06	5.15
<b>Total</b>						<b>344</b>	<b>292</b>	<b>636</b>

### **Power requirement:**

- Power Requirement during Operational Phase - 134 HP (for PHE only including STP)
- Source: NTECL
- DG Sets: 2 DG sets of capacity 1500 kVA each and 1 DG set of capacity 1010kVA