LIGHTING SYSTEM

ANNEXURE-I

BILL OF QUANTITY

Sr. No	Locations	Type & No of Lighting Fixture					Type of Fans
01.	**Control Room Building-TYPE-1 (550SQ.MT.)**						
		Lighting Fixture	**LAN Point**	**Telephone Socket**	**AC Socket with switch (6/16A, 240V), flush mounted**	**63A,415V Receptacle, flush mounted**	**Ceiling Fan- 1200MM, Exhaust fan- 300MM (industrial grade)**
(i)	Control Room	SSQ-I: 16 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	4	2	8	2	4 Nos. Ceiling Fan
(ii)	Station- In Charge Room	SSQ-I: 4 Nos. and SC-I : 2 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	1	1	4		1 No. Wall Mounted Fan
(iii)	Administrative Area	SSQ-I: 8 Nos. and SC-I : 2 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	6	6	8		2 Nos. Ceiling Fan & 4 Nos. Wall Mounted Fan
(iv)	Conference Room	SSQ-I: 6 Nos. and SC-I : 3 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	2	1	4		2 Nos. Ceiling Fan & 6 Nos. Wall Mounted Fans
(v)	Electronic test lab	SSQ-I: 4 Nos(Anti Glare)		1	2		1 No. Wall Mounted Fans
(vi)	ACDB/DCDB Room	SL-I: 18 Nos. (Anti Glare) & 8W, 220V DC – 1 no.			4	2	8 Nos. Ceiling Fan & 4 Nos. Exhaust fan
(vii)	Battery & Battery Charger Room	SL-I: 10 Nos. (Anti Glare) & 8W, 220V DC – 1 no.			2	2	4 Nos. Ceiling Fan
(viii)	Corridor	SC-I: 8 Nos. and SL 2 Nos. & 8W, 220V DC – 2 nos.			2		4 Nos. Ceiling Fan
(ix)	Reception	SL-I: 1 No. and SC-I: 4 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	1	1	2		2 Nos. Ceiling Fan
(x)	Toilets	SC-I: 4 Nos.			4		2 Nos. Exhaust Fans
(xi)	HC Toilets/ L. Toilet	SC-I: 3 Nos. (each)			2 (each)		1 No. Exhaust Fans (each)
(xii)	Pantry	SL-I: 1 Nos. and SC-I: 2 No. (Anti		1	2		1 No. Exhaust Fans

		Glare)					
(xiii)	Store	SL-I: 3 Nos.			2		--
(xiv)	Periphery of the Building	BL: 20 Nos.					--
(xv)	ACP	2 nos					
(xvi)	DCP	1 no.					
02.	**Control Room Building-TYPE-2 (700SQ.MT.)**						
		Lighting Fixture	**LAN Point**	**Telephone Socket**	**AC Socket with switch (6/16A, 240V), flush mounted**	**63A,415V Receptacle, flush mounted**	**Ceiling Fan- 1200MM, Exhaust fan- 300MM (industrial grade)**
(i)	Control Room	SSQ-I: 12 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	4	4	8	2	4 Nos. Ceiling Fan
(ii)	Station- In Charge Room	SSQ-I: 4 Nos. and SC-I : 3 No (Anti Glare) & 8W, 220V DC – 1 no.	1	1	4		1 No. Wall Mounted Fan
(iii)	Administrative Area	SSQ-I: 12 Nos. and SC-I : 2 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	6	6	8		4 Nos. Ceiling Fan & 8 Nos. Wall Mounted Fan
(iv)	Conference Room	SSQ-I: 9 Nos. and SC-I : 2 Nos (Anti Glare). & 8W, 220V DC – 1 no.	2	1	4		2 Nos. Ceiling Fan & 6 Nos. Wall Mounted Fans
(v)	Electronic Test Lab	SSQ-I: 6 Nos. (Anti Glare)		1	2		1 No. Wall Mounted Fans
(vi)	Telecommunication Room	SSQ-I: 4 Nos. and SC-1: 2 Nos. (Anti Glare)	1	1	4	1	2 Nos. Ceiling Fan
(vii)	ACDB/DCDB Room	SL-I: 24 Nos. (Anti Glare) & 8W, 220V DC – 1 no.			4	2	10 Nos. Ceiling Fan & 4 Nos. Exhaust fan
(ix)	Battery & Battery Charger Room	SL-I: 10 Nos. (Anti Glare) & 8W, 220V DC – 1 no.			2	2	4 Nos. Ceiling Fan
(x)	Store	SL-I: 3 Nos.			2		--
(xi)	Reception Area	SL-I: 1 Nos. and SC-I : 6 Nos. (Anti Glare) & 8W, 220V DC – 1 no.	1	1	2		2 Nos. Ceiling Fan
(xii)	Toilet	SC-I: 6 Nos.			4		2 Nos. Exhaust Fans
(xiii)	HC Toilets/ L. Toilet	SC-I: 3 Nos. (each)			2 (each)		1 No. Exhaust Fans (each)
(xv)	Pantry	SL-I: 2 Nos. and SC-I: 1 No. (Anti Glare)		1	2		1 No. Exhaust Fans
(xiv)	Corridors	SC-I: 18 Nos. and SL 2 Nos. & 8W, 220V DC – 2 nos.			2		--

(xv)	Periphery of the Building	BL: 30 Nos.					--
(xvi)	ACP (**flush mounted)**	2 nos					
(xvii)	DCP **(flush mounted)**	1 no					
03.	**GIS Building**						
(i)	765kV, 400kV & 220kV GIS Hall	IHB: As per LUX Calculation			4	2	--
(ii)	AHU Room	SL-1: : As per LUX Calculation (Anti Glare)			2	1	--
(iii)	C&R Room	SSQ-I: : As per LUX Calculation (Anti Glare)			2		--
04.	**Fire Fighting Pump House**						
(i)	FFPH Building	SL-1: 9 Nos. & 8W, 220V DC – 1 no.			2	2	2 No. Wall Mounted Fan
(ii)	Periphery of the Building	BL: 4 Nos.					--
05.	**Switchyard Panel Room (SPR) (9 meter)**	SSQ-I: 10 Nos.			2	2	--
06.	**Switchyard Panel Room (SPR) (6 meter)**	SSQ-I: 8 Nos.			2	2	--
07.	**Switchyard and Outdoor Substation Area**	FL-1 & FL-2: As per BPS					--
08.	**Street lighting roads**	SL-LI & SL-DI:As per BPS					--
09.	**Security Room**						
(i)	Security Building	SL-1: 2 Nos. & 8W, 220V DC – 1 no.	1	1	2		2 Nos. Ceiling Fan
(ii)	Periphery of the Building	BL: 4 Nos.					

Note: 1. All fixtures shall be provided along with complete wiring, conduits, modular switchboards, switches, sockets, and all necessary accessories/materials as required—such as junction boxes, GI boxes with modular base and modular plates (including modular blanking plates), cables/wires, and flexible conduits (wherever required). The work shall be executed in all respects to ensure complete and proper illumination of the building.

2. The location of the surface-mounted 8W, 220V DC circular LED downlighter has not been indicated in the drawing. The fixture shall be strategically installed at the designated exit locations to ensure adequate illumination during emergency conditions.

3. 25A, 240V AC modular flush mounted socket with switch shall be provided at strategic locations in GIS Halls, ACDB/Switchgear room.

4. Indoor Lighting panels shall be modular flush mounted and wall embedded of slim depth.