

Sl. No.	Buildings as per Plot Plan Rev-05	Dimension			No. of floors	False Ceiling	Air Changes	Spacing after Air changes	MSD (BFC)/On Ceiling	MSD (AFC)	Heat Detector	Response Indicator	Beam Detector	IR detector	MCP (Indoor)	MCP (Outdoor)	Flamepro of MCP	Hooter	2 I/P and 1 O/P Module for DV	2 I/P Module for DV	Exit
	PE-DG-427-100-M001 Rev05	Length	Breadth	Height																	
1	TG Building																				
	EI.0.0M																				10
	CABLE SPREADER ROOM	21.25	38.69	3.5			6	9	30	-		-			3			2	1	1	
	OIL ROOM	9.54	14.94	3.5			20	5.76	12	-		-			1			1			
	AC PLANT ROOM-1	10.25	13.19	5			20	5.76	6	-		-			1			1			
	AC PLANT ROOM-2	6.56	7.05	5			20	5.76	4	-		-			1			-			
	MCC ROOM	11.25	5.92	5			15	6.66	2	-		-			1			1			
	IO PANEL ROOM	4.7	7.05	5			15	6.66	2	-		-			1			1			
	GAS CYLINDER ROOM	9.77	3.34	3.5			15	6.66	4	-		-			1			1			
	ELECTRICAL/UNLOADING BAY	-					-		-	-		-			4			4			
	EI.3.5M																				3
	HT SWITCHGEAR ROOM	21.7	38.6	4.5			15	6.66	24	-		-			2			1			
	EI.5.0M																				
	CABLE VAULT	21.7	8.2	3			6	9	6	-		-			2			1			
	EI.8.0M																				7
	INDOOR UNIT OF PAC FOR VFD	11.2	8.2	4.5			15	6.66	4	-		-			1			-			
	CEP VFD	10.2	8.2	4.5			15	6.66	4	-		-			-			-			
	BATTERY ROOM	21.7	13.5	4.5			15	6.66	-	-	12	-			-			1			
	CABLE SPREADER ROOM	21.2	35.3	3.5			6	9	24	-		-			2			1	1	1	
	AIR WASHER ROOM	9.5	15	7.5			15	6.66	6	-		-			1			1			
	OTHER AREA	-					-		-	-		-			1			1			
	EI.9.0M																				
	SWAS ROOM	6.5	8.4	4.5			15	6.66	2	-		-			1			1			
	CHILLER	3	8.4	4.5			15	6.66	2	2		2			-			-			
	EI.11.5M																				2
	CCR/CER VAULT	10.7	7.1	4			6	9	4	-		-			-			-			
	LV SWGR ROOM-1	10.2	7.4	4			15	6.66	8	-		-			-			-			
	LV SWGR ROOM-2	21.2	31.3	4			15	6.66	40	-		-			1			1			
	EI.12.5M																				
	CCR/CER VAULT	22	21.7	3			6	9	18	-		-			2			1	1	1	
	EI.15.5M																				5
	UPS/ACDB/24V CH. ROOM	21.7	7	5.5			10	8.19	3	6		6			1			-			
	CER	21.7	15.5	5.5			10	8.19	6	12		12			-			1			
	CONTROL ROOM A/C	11.2	11	5.5			10	8.19	4	8		8			1			1			
	COMPUTER ROOM	11	6.8	5.5			10	8.19	2	4		4			-			-			
	C&I ENGG ROOM (A/C)	3	4.5	5.5			10	8.19	2	4		4			-			-			
	SHIFT INCHARGE ROOM (A/C)	3.5	4.5	5.5			10	8.19	2	4		4			-			-			
	PANTRY	3.3	2.4	5.5			10	8.19	-	-	2	-			-			-			
	CONFERENCE ROOM (A/C)	3.4	5.26	5.5			10	8.19	2	4		4			-			-			
	OTHER AREA	-					-		-	-		-			3			2			
	EI.21.0M																				4
	AIR WASHER ROOM	27.1	6.1	8			10	5.91	10	-		-			1			1			
	AHU ROOM	21.2	6.5	5.8			10	8.19	3	-		-			1			1			
	OTHER AREA	-					-		-	-		-			2			1			
	SOOT BLOWER MCC ROOM	11.5	13.6	6.5															1	1	
2	Transformer Yard																5		8		
3	GIS Switchyard(in TBG scope)																				
4	Boiler House																		1		
5	Mill Bay																				
6	ESP																				
7	Chimney																				
8	ESP Control room																				
	EI.0.0M																				2
	CABLE VAULT	32.5	9.6	3.7			6	9	8	-		-			2			2	1	1	
	EI.3.7M																				2
	MCC & SWITCHGEAR ROOM	32.5	9.6	5			15	6.66	10	-		-			2			2			
	EI.8.7M																				2
	CABLE VAULT	32.5	9.6	3.7			6	9	8	-		-			2			2	1	1	
	EI.12.4M																				3
	PANEL ROOM-1 (NON A/C AREA)	6.1	9.6	5.7			15	6.66	2	-		-			1			1			
	PANEL ROOM-2 (NON A/C AREA)	6.5	6.6	5.7			15	6.66	2	-		-			-			-			
	PANEL ROOM-1 (A/C AREA)	19.3	9.6	5.7		Y	15	6.66	6	6		6			1			1			
	PANEL ROOM-2 (A/C AREA)	6.5	2.8	5.7		Y	15	6.66	2	2		2			-			-			

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	PE-DG-427-100-M001 Rev05	Length	Breadth	Height																	
	El.18.1M																				2
	AHU ROOM-1	25.6	9.6	5.5			15	6.66	8	-		-			1			2			
	AHU ROOM-2	6.4	4.3	5.5			15	6.66	2	-		-			-			-			
	BATTERY ROOM	4.1	5.3	5.5			15	6.66	-	-	2	-			-			-			
	MACHINE ROOM	5.1	3.9	5.5			15	6.66	2	-		-			1			-			
9	New Administrative Building																				
	El. 0.0M																				5
	MCC ROOM	4.94	16.4	4.5					2	-		-			1			1			
	BATTERY ROOM	3.97	3	4.5					-	-	2	-			-			-			
	DCS PANEL ROOM	3.97	5.95	4.5		Y			2	2		2			-			-			
	EMPLOYEE HALL A/C	6.3	5.44	4.5		Y			2	2		2			-			-			
	RECEPTION/VISITORS WAITING AREA	7.44	5.45	4.5		Y			2	2		2			1			-			
	PANTRY	1.93	3.54	4.5					-	-	2	-			-			-			
	EXE OFFICER -1	2.35	3.07	4.5		Y			2	2		2			-			-			
	EXE OFFICER-2	2.35	3.07	4.5		Y			2	2		2			-			-			
	SECURITY ROOM A/C	2.16	3	4.5		Y			2	2		2			-			-			
	TELEPHONE EXCHANGE (EPABX) A/C	4.94	9.21	4.5		Y			2	2		2			-			-			
	AHU ROOM	8	5.27	4.5					2	-		-			-			-			
	AC PLANT ROOM	8	10.9	4.5					2	-		-			1			-			
	PASSAGE	17.3	1.5	4.5		Y			2	2		2			1			1			
	El. 4.5M																				2
	GM ROOM	5.07	5.57	4.5			10	8.19	2	2		2			-			-			
	DISCUSSION ROOM A/C	4.5	5.6	4.5			10	8.19	2	2		2			-			-			
	STORE UTILITY ROOM	1.9	5.3	4.5			10	8.19	2	-		-			-			-			
	CONFERENCE ROOM A/C	5.07	10.7	4.5			10	8.19	2	2		2			-			-			
	EXE OFFICER A/C-1	2.55	3.8	4.5			10	8.19	2	2		2			-			-			
	EXE OFFICER A/C-2	2.55	3.8	4.5			10	8.19	2	2		2			-			-			
	EXE OFFICER A/C-3	2.55	3.8	4.5			10	8.19	2	2		2			-			-			
	EXE OFFICER A/C-4	2.55	3.8	4.5			10	8.19	2	2		2			-			-			
	EMPLOYEES HALL A/C	12.1	5.27	4.5			10	8.19	2	2		2			-			1			
	AHU ROOM	4.94	9.21	4.5			10	8.19	2	-		-			-			-			
	PASSAGE-1	5.67	1.5	4.5			10	8.19	2	2		2			1			1			
	PASSAGE-2	17.3	1.5	4.5			10	8.19	2	2		2			1			-			
10	Intermediate Ash Silo															2					
11	Ash Slurry Pump House														6			6			6
12	Emergency DG Station	36	7										3		2			1			2
13	AHP Compressor cum Water Pump House																				
	Switchgear Room	10	35.4	5			15	6.66	12						2			1			2
	Panel Room	9.9	11	5		Y	15	6.66	4	4		4									
	Control room	8.1	11	5		Y	15	6.66	4	4		4			1			1			1
	Charger room	5.5	5.9	5			15	6.66	2												
	Battery room-1	5.5	4.8	5			20	5.76			2										
	Battery room-2	5.5	7.2	5			20	5.76			2										
	Ante room	2	2.7	5			15	6.66	2												
14	Cooling Tower																				
15	CWPH																				
	Control room	9.2	5.6	5			15	6.66	2									1			
	Battery room	3.22	5.6	5			15	6.66			2				1						1
	MCC room	16.5	4.5	5			15	6.66	3						2			1			2
	Pumps area	23	17.3	11.5			15	6.66	12						2			1			2
16	Clarified Water Storage Tank																				
17	STP (In DMP & CHP Area)	20	15				15	6.66	12						2			1			2
18	DM Storage tank & DM water transfer pumps	13.5	6				15	6.66	12						2			2			2
19	Coal Stock Pile														10						
20.a	CHP MCC-1																				
	Switchgear room	25.6	7.52	5			15	6.66	8						2			2			2
	Ventilation room	6	5.79	5			15	6.66	2												
	Battery room	6.5	5.79	5			20	5.76			4										
	DCS room	6.71	11.1	5		Y	15	6.66	4	4		4						1			

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	PE-DG-427-100-M001 Rev05	Length	Breadth	Height																	
20.b	CHP Control room (MCC-2)																				
	Switchgear room	51.2	9.96	5			15	6.66	16						2			2			2
	Control room	7.4	11	5		Y	15	6.66	4	4		4						1			
	DCS room	9.14	11	5		Y	15	6.66	4	4		4									
	Battery room-1	3.2	11	5			20	5.76			2										
	Ventilation room	6.14	6	5			15	6.66	2												
	Charger room	6.14	6	5			15	6.66	2												
	Battery room-2	7.2	6	5			20	5.76			4										
20.c	CHP MCC-3																				
	Switchgear room	25.6	7.52	5			15	6.66	8						2			2			2
	Ventilation room	6	5.79	5			15	6.66	2												
	Battery room	6.4	5.79	5			20	5.76			4										
	DCS room	6.71	11.1	5		Y	15	6.66	4	4		4						1			
21	Coal Settling Pond																				
22	Wagon Tippler	30	8													4					
23	Wagon Tippler Control room	30	10				15	6.66	10						2			1			2
24	ETP & Guard pond	40	40				15	6.66	12						2			1			2
25	Fire water pump house & Make up water pump house	55	9				15	6.66	18						4			2			4
26	FGD system facilities																				
	Crusher house	10	15				15	6.66	6						2			1			2
	Control room	13	26				15	6.66	8						2			1			2
	Limestone silo	5	5				15	6.66	2						2			1			2
	FGD control room	22	17.2				15	6.66	12						2			1			2
	Wet Ball Mill Building	12	12				15	6.66	4						2			1			2
	Gypsum dewatering building	17.5	12				15	6.66	6						2			1			2
	Gypsum storage building	25.5	28				15	6.66	20						2			1			2
27	Air Washer room(on roof of CW PH)								2						2			1			2
28	PT Plant	40	40				15	6.66	12						4			2			4
	PTP SG room	5	15				15	6.66	3						2			1			2
29	O&M Store																				
	EI.0.0M																				5
	GENERAL LIGHT MATERIAL STORE	13.2	26.7	4			15	6.66	10	-		-	-		1			1			
	SWGR ROOM	4.37	12.9	4.5			15	6.66	2	-		-	-		-			-			
	ELCTRONIC EQUIPMENT/INSTRUMENTATION STORE	8.75	8.75	4			15	6.66	4	-		-	-		-			-			
	LIGHT MATERIAL STORE	41	22.1	9.5			15	6.66	28	-		-	1		-			1			
	COVERED PASSAGE	46.9	4.3	4.15			15	6.66	8	-		-	-		2			-			
	RECEIPT ROOM-1	4.25	4.25	4.15			15	6.66	2	-		-	-		-			-			
	OFFICE	8.75	4.3	4.15			15	6.66	2	-		-	-		1			-			
	RECEIPT ROOM-2	4.25	4.25	4.15			15	6.66	2	-		-	-		-			-			
	INSPECTION ROOM-1	9	8.75	4.15			15	6.66	4	-		-	-		-			1			
	INSPECTION ROOM-2	9	8.75	4.15			15	6.66	4	-		-	-		-			-			
	PANTRY	1.7	3.4	4.15			15	6.66		-	2	-	-		-			-			
	HEAVY MATERIAL STORE	14.7	44.8	9.5			15	6.66	-	-		-	1		1			1			
	EI.4.0M																				1
	COLD STORAGE	4.2	4.2	4			15	6.66	2	-		-			-			-			
	HOT STORAGE	4.2	4.2	4			15	6.66	2	-		-			-			-			
	LIGHT MATERIAL STORE-1	8.9	8.6	4			15	6.66	4	-		-			-			-			
	LIGHT MATERIAL STORE-2	13.2	17.8	4			15	6.66	6	-		-			1			1			
30	Crusher House															6					
31	Deleted																				
32	Fly Ash silo, Decanting system & HCSD Pump house area																				
32.a	Fly Ash silo															5					
32.b	HCSD Pump house	31	12				15	6.66	10						2			1			2
32.c	MCC room	31	12				15	6.66	10						2			1			2
33	Service Building (Existing)																				
34	Construction Store																				

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	PE-DG-427-100-M001 Rev05	Length	Breadth	Height																	
35	CW Treatment plant	26	9				15	6.66	8						2			1			2
36	Chlorine dioxide dosing system	26	16				15	6.66	12						2			1			2
37	Deleted																				
38	Rain Water Harvesting Pond																				
39	Service Water tank & Pump house	10	7				15	6.66	4						2			1		2	
40	Deleted																				
41	CHP Material Storage yard																				
42	Stacker Reclaimer Material storage/Assembly yard																				
43	AHP Material Storage Yard																				
44	Plant Compressor room	13.5	22	7			15	6.66	12						1			1		1	
45	Central Lube oil building	15	10				15	6.66	6								1	1	1	1	
46.1	DSPH-1	34	12.6				15	6.66	12						2			1		2	
46.2	DSPH-2	34	12.6				15	6.66	12						2			1		2	
47	AC Plant & MCC (near Boiler)	23	14				15	6.66	12						2			1		2	
48	H2 gas cylinder shed	16	12				15	6.66									2	1			
49	River Water Intake Pump House																				
	Switchgear room	15	10.8	5			15	6.66													
	Control room	4.7	6	5		Y	15	6.66													
	Battery room	7.5	4.8	5			15	6.66													
	Security room	1.8	2.6	5			15	6.66													
50	Conveyors																				
	1A													2		1			1	1	
	1B													2		1					
	2A													2		5			11	11	
	2B													2		5					
	3A													2		1			1	1	
	3B													2		1					
	4A													2		5			1	1	
	4B													2		2			1	1	
	5A													2		1			1	1	
	5B													2		1					
	6A													2		4			7	7	
	6B													2		4					
	6C													2		1			1	1	
	7A													2		5			9	9	
	7B													2		5					
	8A													2		3			4	4	
	8B													2		3					
	8C													2		2			1	1	
	8D													2		2					
	9													2		2					
	10													2		2					
51.a	Reclaim Hopper-1															2					
51.b	Reclaim Hopper-2															2					
52	Transfer Points																				
52.a	TP-1															5					
52.b	TP-2															4					
52.c	TP-3															4					
52.d	TP-4															3					
52.e	TP-5															5					
	Cooling tower SG room	6	30				15	6.66	5						2			1			2

NOTE- THE NUMBER OF DEVICES/DETECTORS SHOWN ABOVE ARE MINIMUM & INDICATIVE ONLY. BIDDER SHALL PROVIDE ADEQUATE NO. OF DEVICES/DETECTORS AS PER ACTUAL SIZE OF BUILDING/ SYSTEM & SPECIFICATION REQUIREMENT.