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LEGEND	
SLNO	DESCRIPTION
1	DG SET
2	VACUUM CIRCUIT BREAKER (DRAW OUT TYPE)
3	AIR CIRCUIT BREAKER (MDO)
4	AIR CIRCUIT BREAKER (EDO)
5	DISTRIBUTION TRANSFORMER
6	3PH-AIR INSULATED DRAW OUT TYPE PT
7	MINIATURE CIRCUIT BREAKER
8	MOULDED CASE CIRCUIT BREAKER (MCCB)
9	CONTROL FUSE (HRC)
10	ELECTRONIC ENERGY METERING
11	VOLTMETER SELECTOR SWITCH
12	LOCAL CONTROL PANEL
13	ELECTRONIC TRIVECTOR METER
14	POWER CONTACTOR
15	INDICATION LAMP
16	DETUNED HARMONIC FILTER
17	VARIABLE FREQUENCY DRIVE
18	LOAD BREAK SWITCH
19	AUTOMANUAL SELECTOR SWITCH
20	GROUNDING
21	SINGLE PHASE PREVENTOR
22	START DELTA STARTER

23	CAPACITOR BANK
24	AUTOMATIC POWER FACTOR CORRECTION RELAY
25	INSTANTANEOUS OVER CURRENT RELAY
26	INSTANTANEOUS EARTH FAULT RELAY
27	IDMT OVERCURRENT RELAY
28	IDMT EARTH FAULT RELAY
29	MASTER TRIP RELAY
30	AUXILIARY RELAY
31	OVERVOLTAGE RELAY
32	UNDER VOLTAGE RELAY
33	TRIP CIRCUIT SUPERVISION RELAY
34	RESTRICTED EARTH FAULT RELAY
35	DIGITAL VOLTMETER
36	PHASE-SEQUENCE VOLTAGE RELAY
37	DIRECTIONAL POWER RELAY
38	EARTH LEAKAGE
39	AMMETER SELECTOR SWITCH
40	DIRECT ONLINE STARTER
41	BUILDING MANAGEMENT SYSTEM
42	TRI VECTOR METER
43	MOTOR
44	MULTI FUNCTION METER
45	ISOLATOR
46	CURRENT TRANSFORMER
47	BUSDUCT
48	LIGHTING DISTRIBUTION BOARD
49	EMERGENCY LIGHTING DISTRIBUTION BOARD
50	POWER DISTRIBUTION BOARD
51	UPS DISTRIBUTION BOARD

- NOTES:
1. MAIN LT PANEL SHOULD FULFILL THE REQUIREMENTS OF CEIG/RELEVANT SPECIFICATIONS.
 2. CONTROL CIRCUIT VOLTAGE SHALL BE 230V AC UNLESS SPECIFIED.
 3. NEUTRAL EARTHING SHALL BE OF ADEQUATE SIZE OF Cu. FLAT/ STRIP AND BODY EARTHING SHALL BE OF ADEQUATE SIZE OF GL GLAT/STRIP.
 4. ALL EQUIPMENTS & PANELS ARE DOUBLE EARTHED WITH ADEQUATE SIZE OF GL STRIPS(BODY EARTHING).
 5. ALL ACB'S SHALL BE WITH MICROPROCESSOR BASED IN-BUILT RELEASE.
 6. ALL POWER CABLES ARE ARMoured CABLES UNLESS OTHERWISE SPECIFIED.
 7. ALL THE FEEDERS SHALL BE LABELLED WITH FEEDER IDENTIFICATION.
 8. THIS SLD SHOULD BE READ IN CONJUNCTION WITH RELEVANT TECHNICAL SPECIFICATION, BOQ & OTHER SLD.
 9. EARTHING SHALL BE CARRIED OUT AS PER IS 3043.
 10. FOR EARTHING PLEASE REFER THE RESPECTIVE EARTHING SCHEMATIC DRAWING.
 11. ALL PANELS ARE WITH ALUMINIUM BUSBAR.
 12. MCCBs RATED UP TO AND INCLUDING 250A SHALL BE THERMAL MAGNETIC RELEASE AND ABOVE 250A UP TO 800A SHALL BE MICROPROCESSOR RELEASE.
 13. DOL STARTERS SHALL BE USED FOR MOTORS HAVING RATING UP TO 7.5kW AND ABOVE SHALL BE STAR DELTA STARTER. THESE SHALL BE AS PER TYPE-2 CO-ORDINATION BASED ON MCCB MCCB AND CONTACTOR. THE FINAL RATING IS DESIGNED BASED ON SELECTED VENDOR CO-ORDINATION CHART & FINAL EQUIPMENT RATING.

REFERENCE DRAWINGS (LATEST REVISION)

ELECTRICAL	
019035 - E - HP - 06 - 1L - 0001	TEZPUR MASTER SINGLE LINE DIAGRAM (SHEET 1 OF 2)

- INDICATES VFD

0	RELEASED AS GOOD FOR CONSTRUCTION	HK	06.12.2019	SVM	06.12.2019	RS	09.12.2019	RG	09.12.2019
B	REVISED AS PER CLIENT'S COMMENTED DATED : 30.10.19	HK	14.11.2019	SVM	14.11.2019	RS	15.11.2019	RG	15.11.2019
A	RELEASED FOR APPROVAL	HK	17.10.2019	SVM/RS	17.10.2019	RS	18.10.2019	RG	18.10.2019
REV/NO.	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED				

CLIENT : ASSAM CANCER CARE FOUNDATION		REVISIONS		O19035-E-HP-06-1L-0002, REV.0	
PROJECT : Proposed Cancer Centre At 18 Locations In Assam For Assam Cancer Care Foundation & M/s. Tata Trusts		PROJECT CONSULTANT : Engineering Design and Research Center (EDRC), L&T Construction - Buildings & Factories.		CONCEPT ARCHITECT : Engineering Design and Research Center (EDRC), L&T Construction - Buildings & Factories.	
SUPPLIER/CONTRACTOR :		TITLE : TEZPUR HOSPITAL BLOCK & LINAC BLOCK MASTER SINGLE LINE DIAGRAM		SECTION/ELEVATION MARKING	
JOB No : O19035		NAME		SIGN	
DSGN		HK		DATE	
DRWN		SVM		17.10.2019	
CHKD		RS		18.10.2019	
APPD		RG		18.10.2019	
DRAWING No. O19035-E-HP-06-1L-0002		PROJECTION		SCALE	
RELEASED FOR		PRELIMINARY		TENDER	
		INFORMATION		APPROVAL	
		CONSTRUCTION			

