



SECTION - II

TECHNICAL SPECIFICATIONS

- 1 Delivery point : 132/33KV Grid sub-station,Rayagada
2 Material : One No.of outdoor floor mounted 33KV field
BMK(ACDB) for automation works at 132/33KV Grid sub-station,Rayagada.

Technical specification-The outdoor floor mounted ACDB shall be fabricated with 3mm thick of CR sheet steel of size 1700mm(H)X1750mm(W)X450mm(Depth),dust and vermin proof painted with powder coated siemens grey colour with 2 Nos.of 75X40X8 mm GI channel welded at the bottom and suitable size of detachable gland plates provided at bottom for entry -exit of cables. Panels must have both front and rear doors(hinged,gasketise & locking arrangement to be provided) with two nos.of eye bolt to be provided on top for lifting the panel.30X5 mm GI strip to be provided as earth bus bar with extension of minimum 50mm from the panel.The bus bar(copper)should not be less than 30X10mm to be mounted on DMC insulator and to be covered with heat shirnvable PVC colour sleeving.i.e Red,Yellow,Blue and Black for nuetral.All wirings to be made of 32A-10sqmm & of 16A-4sqmm PVC copper flexible wire(Finolex/Havells with ISI mark).Following materials should be mounted on the panel and completely factory wired.

SL No.	DESCRIPTION	QUANTITY	UNIT
1	200A TPN MCCB with Spreader(Make ABB/Havells/B-type with ISI mark)	3	No.
2	30X10mm copper BUSBAR	5	No.
3	32A TPN MCB(Make-ABB/HAVELLS with ISI mark)	34	No.
4	16A 2P MCB (Make-ABB/HAVELLS with ISI mark)	15	No.
5	Sheet steel powder paint	15	Sq Mtr.
6	3-Phs 440Volt AC voltmeter with selector switch	1	No.
7	Bus bar insulator	8	No.
8	Bus bar sleeve	8	No.
9	Wire and shocket	40	No.
10	Door hinges with Lock and Key(Make-Godreg)	LS	LS
11	Door Gasket	22	Mtr
12	Wiring Charges	LS	LS
13	2.5sqmm T.B ISI mark with nut and bolt type	188	No.
14	Base channel(GI)	1	No.
15	Indication Lamp(R-Y-B)	2	SET
16	400mmX16mm Foundation bolt(GI)	4	No.

Abell
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Dy. GENERAL MANAGER, (Elect.)
EHT (O&M), DIVISION, THERUBALI.