

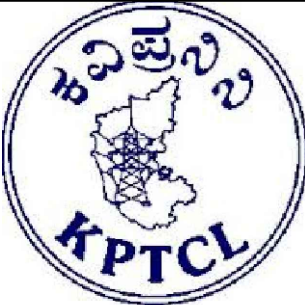
BILL OF MATERIAL									
ERRECTION MARK	DESCRIPTION	WIDTH IN MM	X	LENGTH IN MM	UNIT WEIGHT	WEIGH T PER PIECE	QTY	TOTAL WEIGHT IN KG	REMARKS
1	ISMC 150X75	5750	16.80	96.26	2	192.53			
2	ISMC 150X75	5750	16.80	96.26	4	385.06			
3	ISMC 100X50	5700	9.56	54.49	2	108.98			
4	ISMC 100X50	4750	9.56	45.41	2	90.82			
5	L 45X45X5	1140	3.40	3.88	6	23.26			
6	6X L 45X45X5	1634	3.40	5.56	12	66.67			
7	7X L 45X45X5	1567	3.40	5.33	6	31.97			
8	8X L 45X45X5	1563	3.40	5.31	6	31.88			
TOTAL WEIGHT OF STRUCTURE								931.17	
FOR M/S MECH BOX FIXING									
9	L 65X65X6	1300	5.80	7.54	2	15.08			
10	L 65X65X6	365	5.80	2.12	2	4.23			
10X	L 65X65X6	365	5.80	2.12	2	4.23			
TOTAL WEIGHT OF STRUCTURE INCLUDING M/S BOX								954.72	

LIST OF NUT & BOLTS, WASHERS & STEP BOLTS WITH 10% EXTRA						
SL.NO	DESCRIPTION	LENGTH IN MM	UNIT WT IN KG	QTY	TOTAL WEIGHT IN KGS	REMARKS
1	16.0 DIA BOLT & NUT	40	0.124	102	12.648	
2	16.0 DIA BOLT & NUT	45	0.132	80	10.560	
3	3.5 MM THK SPRING WASHER FOR 16.0 DIA		0.009	182	1.638	
4	3 MM THK PLAIN WASHER FOR 16.0 DIA		0.011	182	2.002	
5	6 MM THK PACK WASHERS FOR 16.0 DIA		0.045	13	0.585	
TOTAL WEIGHT OF NUT & BOLTS					27.433	

WEIGHT OF STRUCTURAL STEEL	954.716
WEIGHT OF NUT & BOLTS	27.433
TOTAL WEIGHT OF STRUCTURE	982.149

- NOTES:
- ALL DIMENSIONS ARE IN MM.
 - ALL HOLES ARE 17.5MM DIA. FOR 16MM DIA. BOLTS.
 - ALL STEEL SECTIONS SHALL CONFIRM TO IS: 2062.
 - ALL STEEL SECTIONS, BOLTS, NUTS & PACK WASHERS ARE TO BE HOT DIP GALVANIZED.
 - ALL BOLTS SHALL CONFORM TO IS:12427(2001), WITH MECHANICAL PROPERTIES CLASS 5.6 AND NUTS SHALL CONFORM TO IS: 1367(PART-VI) OF PROPERTIES CLASS-5.
 - DIMENSIONAL AND WEIGHT TOLERANCE $\pm 10\%$.
 - THE HEIGHT OF STRUCTURE SHALL BE ADJUSTED TO MATCH WITH LIVE POINT HEIGHT (LPH) AS PER APPROVED SECTIONAL DRAWING.
 - THE EQUIPMENT MOUNTING DETAILS SHALL BE MATCHED WITH APPROVED EQUIPMENT DRAWINGS.

EQUIPMENT MOUNTING STRUCTURE FOR
110KV ISOLATOR (LPH = 6350mm)
(FOR 110/11KV SUBSTATIONS ONLY)



KPTCL/P&C/TECH/110KV/ISO(6.35)	AEE	EE	SEE	CEE
DRAWING NO.	DRAWN/CHECKED	SUBMITTED	RECEIVED	APPROVED

Approval Ltr No.: CEE/P&C/SET/EE(TL)/AEE-9/2021-22/10039-49 Dtd:05.10.2021