

TECHNICAL SPECIFICATION FOR 33KV TOP CLEATS WITH CLAMPS

1. SCOPE:

The specification provides for the manufacture, packing forwarding supply and delivery at destination stores (FADS) 33KV Top cleats with clamps made from 100X50mm MS Channel, 50X6mm MS Flat and 65X65X6mm MS Angle as per the drawing enclosed and painted with double coat of best quality red oxide paint.

2. STANDARDS:

The 33KV Top cleats with clamps shall confirm in all respects to the Indian Standard IS-2062. All dimensions are in mm with tolerance as per IS 1852:1985,+5%,-3%..

3. PAINTING:

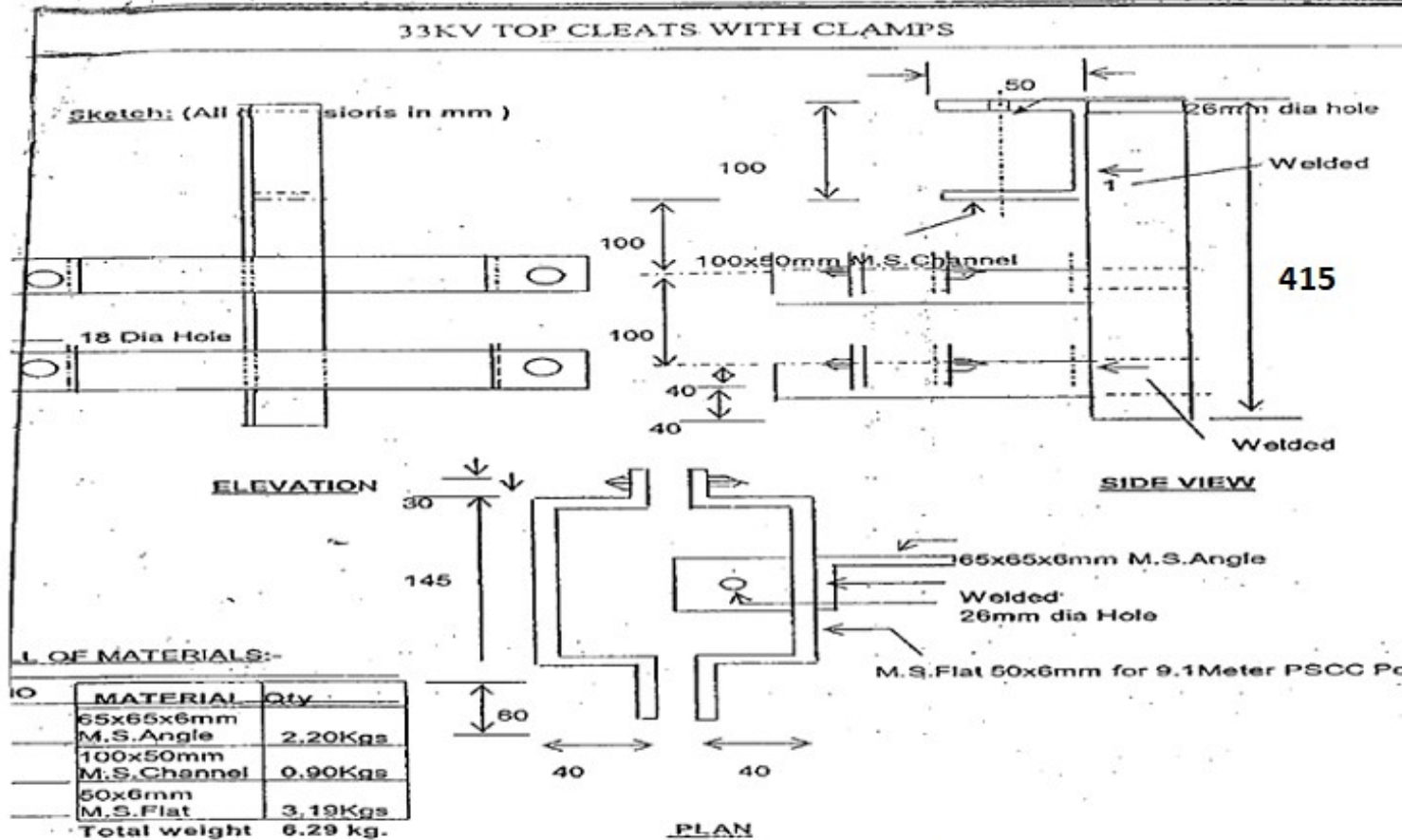
All MS parts shall be painted with two coats of best quality red oxide paint. The Red oxide premier shall be of reputed make such as Asian/ Berger/ Narolac confirming the ISO/DIS 12944:1998.

4. SAMPLES:

5 nos. samples shall be submitted after placing purchase order on the firm and got approved by the Chief General Manager (P&MM)/ EPDCL / Visakhapatnam before giving offer, otherwise the supplies will not be taken into stock at all the 5 District Stores.

33 KV TOP CLEATS WITH CLAMPS

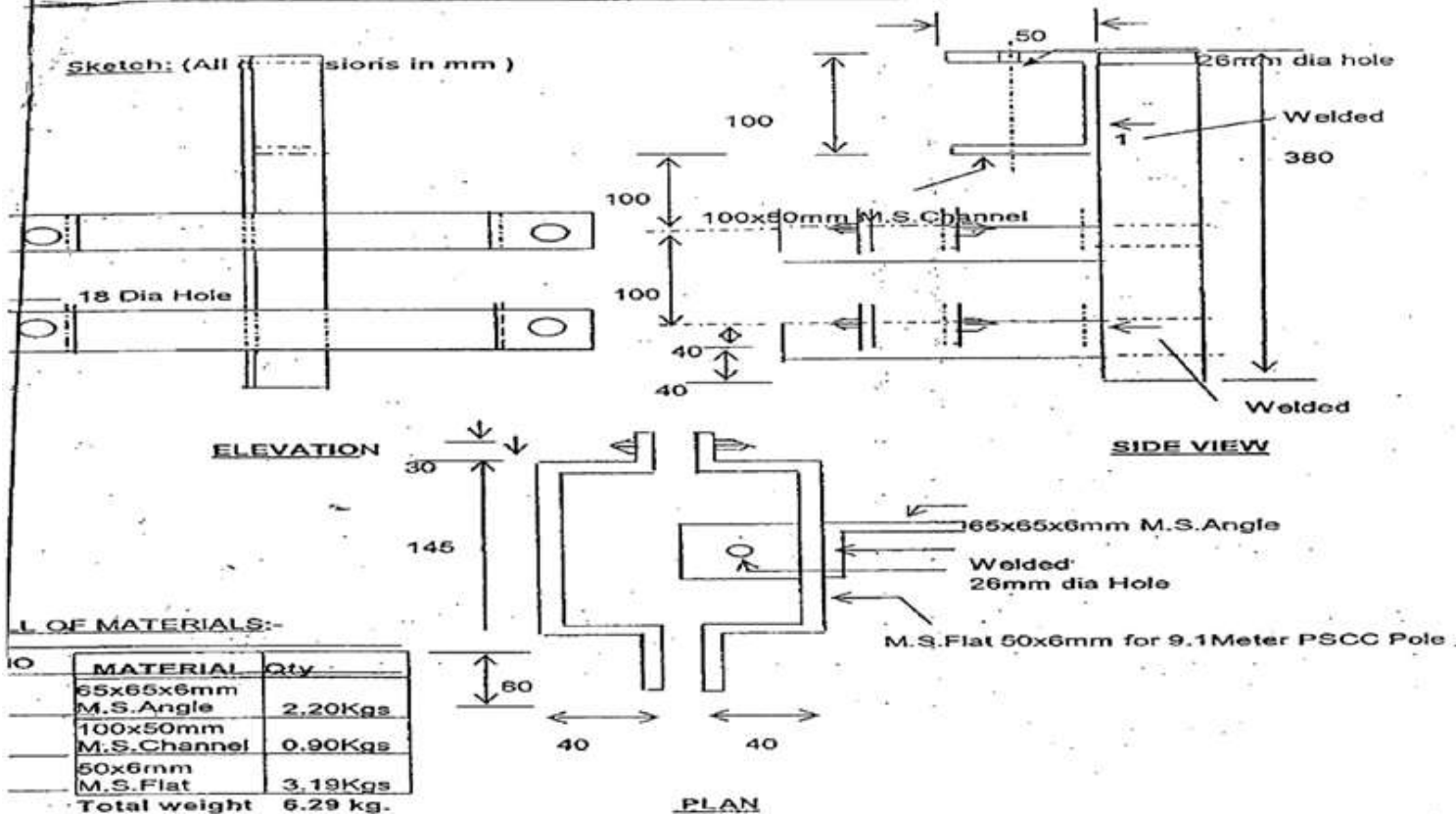
TECHNICAL SPECIFICATION FOR THE 33KV TOP CLEATS WITH CLAMPS



- Note:** 1) All M.S. Parts are to be painted with two coats of best quality red oxide paint. The Red Oxide premier shall be reputed make such as Asian / Berger / Narolac confirming the ISO/DIS 12944:1998.
- 2) All dimensions are in mm with tolerance as per IS 1852:1985, +5%, -3%
- 3) Material shall confirm to IS 2062
4. 4 Nos. M 18 hexagonal Bolts of size 4" with suitable nuts and washers
5. The net weight is excluding the weight of Bolts & Nuts.

CGM/P&MM/APEPDCL/V

33KV TOP CLEATS WITH CLAMPS



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CGM/P&MM/APEPDCL/VSP

33 KV TOP CLEATS WITH CLAMPS

No.& Date:P. O.NO.CGM/P&MM/EPDCL/VSP/P1/

Name of the firm:

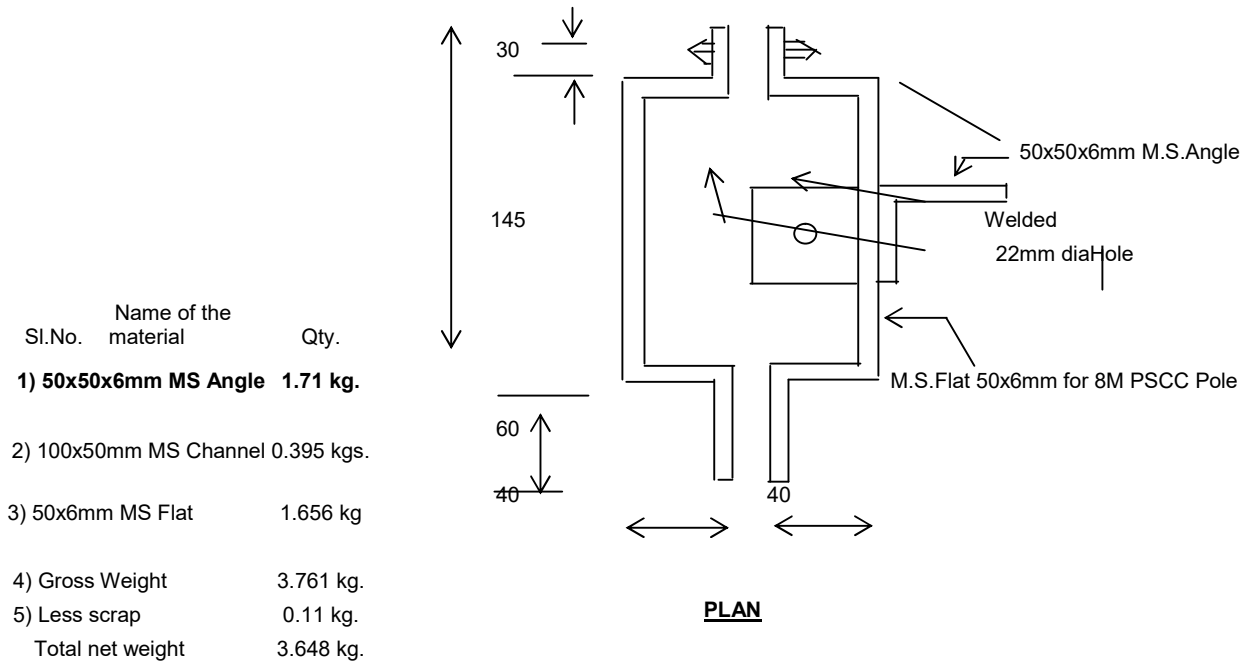
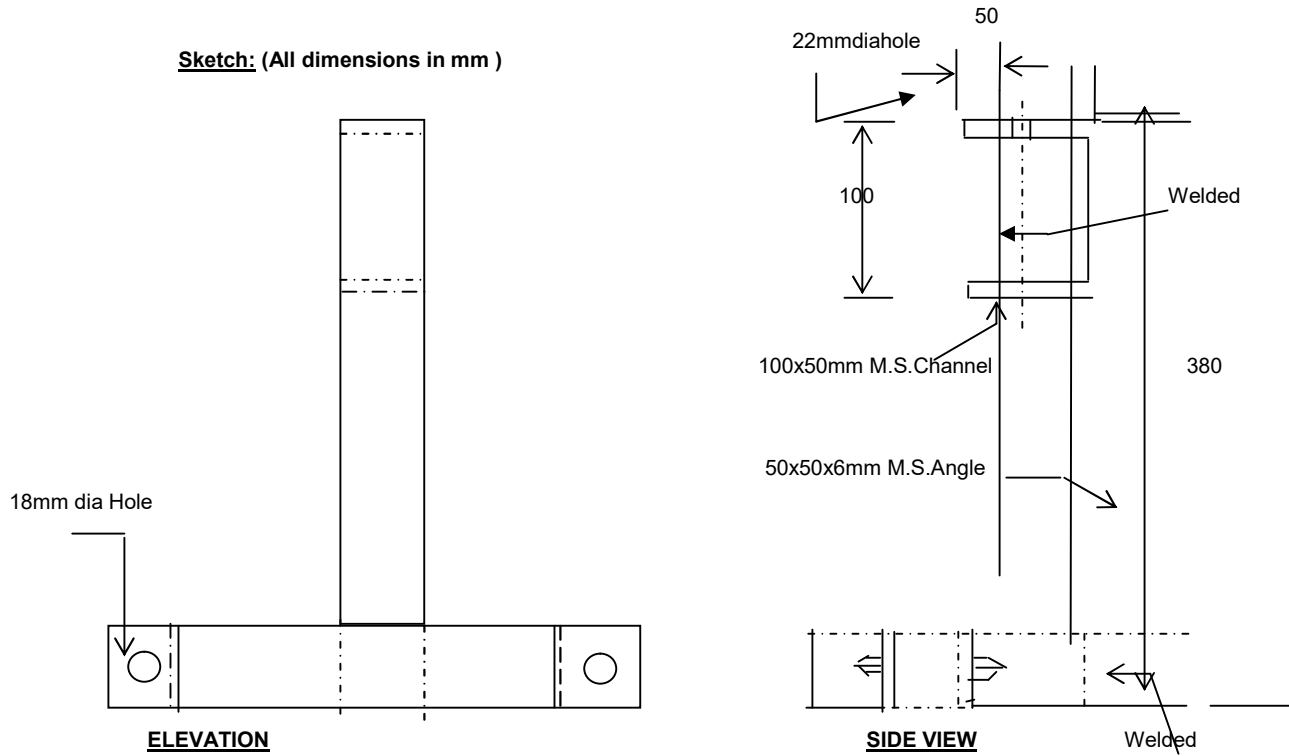
Sl. No	Parameter	UOM	Dimensions as per P.O.	Observations				
				Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	415					
3	MS Angle	mm	65 x 65 x 6					
5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	26					
Clamp								
7	Clam Dimensions	mm	145					
8	Clam Dimensions	mm	60					
9	Clam Dimensions	mm	40					
10	Hole Dia	mm	18					
11	Total Top cleats with clamp Weight	Kgs	6.29					

DEE/P1

EE/P2

11 KV TOP CLEATS WITH CLAMPS

Sketch: (All dimensions in mm)



- Note:**
- 1) All M.S. Parts are to be painted with two coats of best quality red oxide paint.
 - 2) All dimensions are in mm with tolerance $\pm 5\%$

PO No.& Date:P. O.NO.CGM/P&MM/EPDCL/VSP/P1/ CEMPT - 100/14-15/PM-4261/15, Dt:07.07.15

Name of the firm: M/s CS Engineering Works,Hyderabad

Sl. No	Parameter	UOM	Dimensions as per P.O.	Observations				
				Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	380					
3	MS Angle	mm	50 x 50 x 6					
5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	22					
7	Clam Dimensions	mm	145 x 60 x 40					
8	Hole Dia	mm	18					
9	Total Top cleats with clamp Weight	Kgs	3.648					

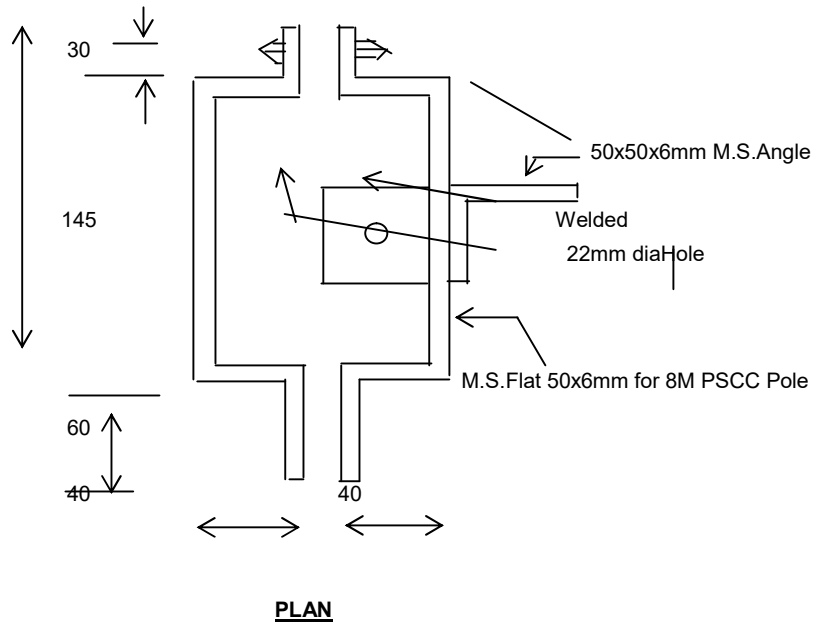
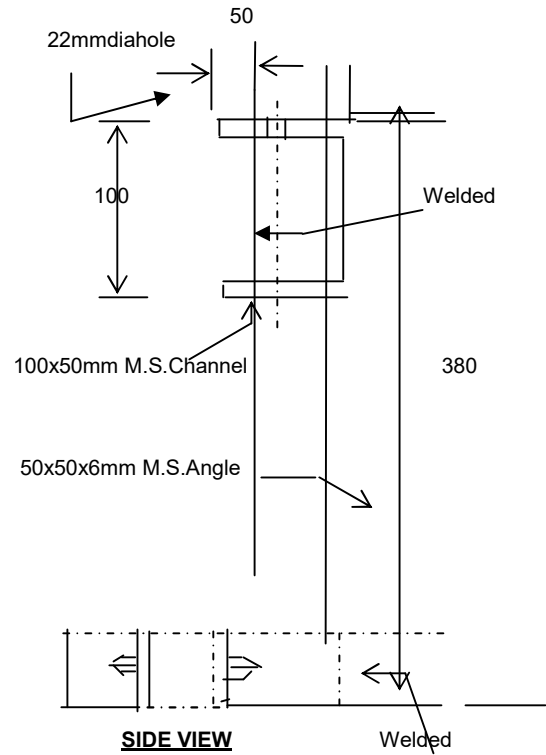
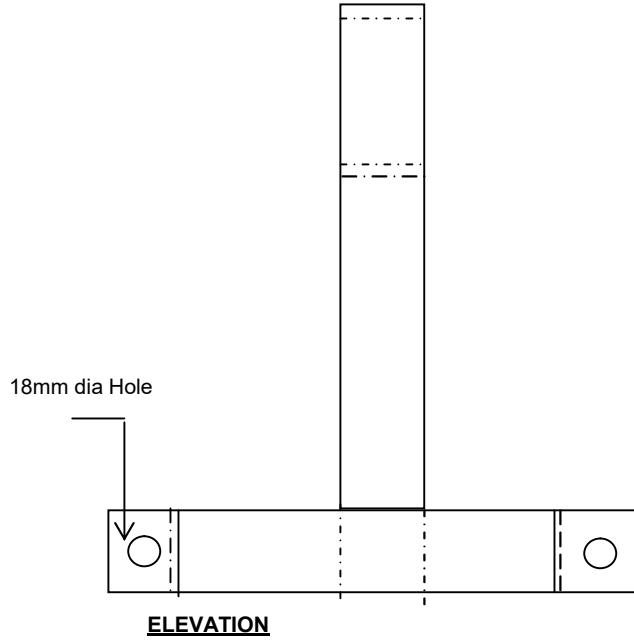
AE/P1

ADE/P1

DE/P2

11 KV TOP CLEATS WITH CLAMPS

Sketch: (All dimensions in mm)



Sl.No.	Name of the material	Qty.
1)	50x50x6mm MS Angle	1.71 kg.
2)	100x50mm MS Channel	0.395 kgs.
3)	50x6mm MS Flat	1.656 kg
4)	Gross Weight	3.761 kg.
5)	Less scrap	0.11 kg.
	Total net weight	3.648 kg.

- Note:**
- 1)All M.S.Parts are to be painted with two coats of best quality red oxide paint.
 - 2) All dimensions are in mm with tolerance +/- 5%

PO No.& Date:P. O.NO.CGM/P&MM/EPDCL/VSP/P1/ CEMPT - 100/14-15/PM-4260/15, Dt:07.07.15

Name of the firm: M/s Koneru Achyuta Rao Engineers & Fab, Hyderabad

Sl.	Parameter	UOM	Dimensions as	Observations
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No			per P.O.	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	380					
3	MS Angle	mm	50 x 50 x 6					
5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	22					
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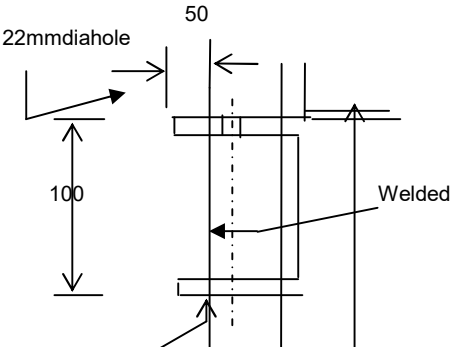
AE/P1

ADE/P1

DE/P2

11 KV TOP CLEATS WITH CLAMPS

Sketch: (All dimensions in mm)

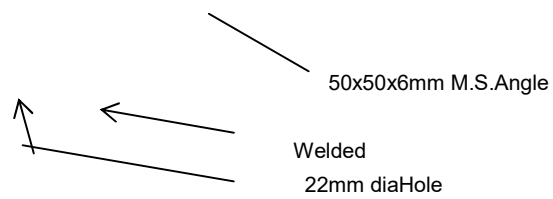
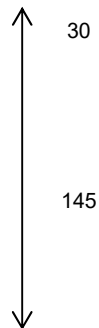


50x50x6mm M.S.Angle

18mm dia Hole

ELEVATION**SIDE VIEW**

Welded



Sl.No.	Name of the material	Qty.
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4)	Gross Weight	3.761 kg.
5)	Less scrap	0.11 kg.
	Total net weight	3.648 kg.

M.S.Flat 50x6mm for 8M PSSC Pole

PLAN

- Note:**
- 1) All M.S. Parts are to be painted with two coats of best quality red oxide paint.
 - 2) All dimensions are in mm with tolerance +/- 5%

PO No.& Date: P. O.NO.CGM/P&MM/EPDCL/VSP/P1/ CEMPT - 31/14-15/PM-3730/14, Dt:06.09.14

Name of the firm: M/s Sri Someswara Engg.& Electricals, Hyderabad

Sl. No	Parameter	UOM	Dimensions as per P.O.	Observations				
				Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	380					
3	MS Angle	mm	50 x 50 x 6					

5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	22					
7	Clam Dimensions	mm	145 x 60 x 40					
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9	Total Top cleats with clamp Weight	Kgs	3.648					

AE/P1

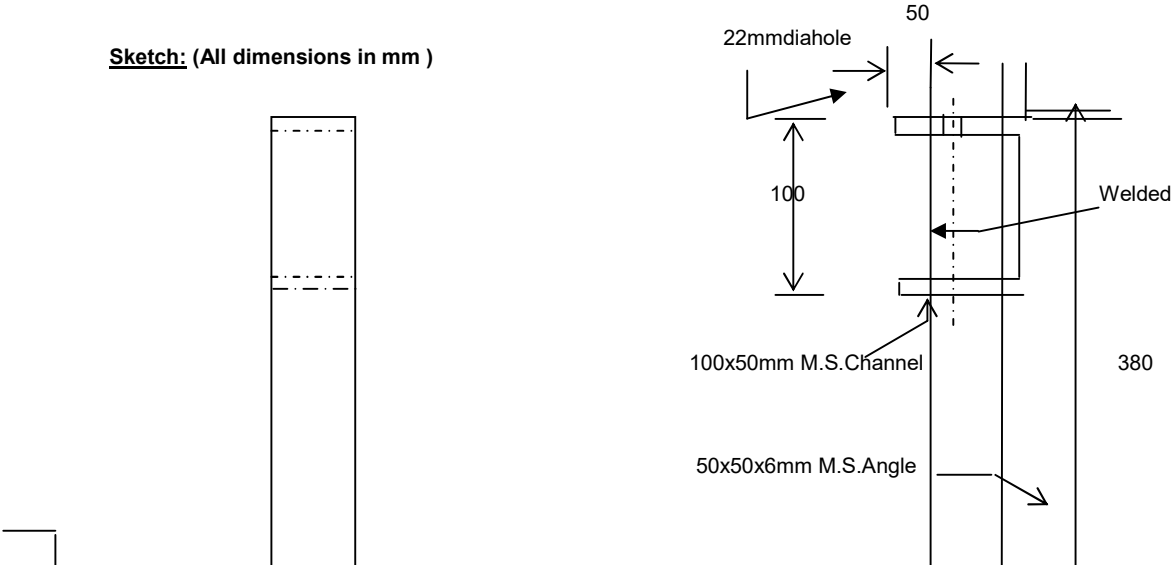
ADE/P1

DE/P2

GM/M

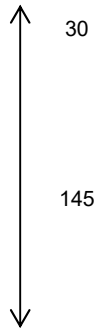
11 KV TOP CLEATS WITH CLAMPS

Sketch: (All dimensions in mm)



ELEVATION**SIDE VIEW**

Welded



M.S.Flat 50x6mm for 8M PSSC Pole

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1)	50x50x6mm MS Angle	1.71 kg.
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PLAN

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PO No.& Date: P. O.NO.CGM/P&MM/EPDCL/VSP/P1/ CEMPT - 31/14-15/PM-3729/14, Dt:06.09.14

Name of the firm: M/s. Koneru Achyuta Rao Engineers & Fab.HYDERABAD

Sl. No	Parameter	UOM	Dimensions as per P.O.	Observations				
				Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	380					
3	MS Angle	mm	50 x 50 x 6					
5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	22					
7	Clam Dimensions	mm	145 x 60 x 40					
8	Hole Dia	mm	18					

PO No.& Date:P. O.NO.CGM/P&MM/EPDCL/VSP/P1/CEMPT-97/13-14/ PM-3563/14,Dt:24.05.2014

Name of the firm: M/s OM Tej Switchgear, Hyderabad

Sl. No	Parameter	UOM	Dimensions as per P.O.	Observations				
				Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
1	Total Height	mm	380					
3	MS Angle	mm	50 x 50 x 6					
5	MS Channel	mm	100 x 50					
6	Hole Dia	mm	22					
7	Clam Dimensions	mm	145 x 60 x 40					
8	Hole Dia	mm	18					
9	Total Top cleats with clamp Weight	Kgs	3.70					

AE/P1
GM/Materials

ADE/P1

DE/P2