

WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA  
**WESCO**

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VOLUME- II

(Tender Specification: WESCO/CEO/019)  
GROUP-A

[Detail Scope of Supply]  
ANNEXURE

Date: 11.09.2007

VOLUME-II DSS	Specification : WESCO/CEO/019, 07-08
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**TENDER DOCUMENT FOR SUPPLY OF**  
**GROUP- A ITEMS**

**SPECIFICATION FOR GROUP- A ITEMS**

11 KV 'V' Crossarm	Quantity
11 Kv 'V' Crossarm made out of 75 x 40 mm M.S. Channel as per REC Standard A6. The crossarm shall be fabricated out of 75 x 40 mm size Channel having 6.8 kg/mtr. with 50 mm x 6 mm flat as per drawing on top & bottom flange of the channel where the Insulator pin is to be mounted. After fabrication the crossarm shall be painted with two coats of Red Oxide primer, conforming to REC construction standard & drawing provided.	219 no

Back Clamp for 11 kv 'V' Crossarm	Quantity
Back clamp for 11 Kv ' V' crossarm on line made out of 50 mm x 8 mm M.S Flat with two coats of red-oxide primer to suit HT PSC Pole confirming to REC construction standard & drawing provided.	225 no.

11 KV PSC Pole Top Bracket ('F' Clamp)	Quantity
HT PSC Pole top bracket (F-Clamp) made out of 50mm x 8 mm M.S Flat with two coats of red-oxide primer confirming to REC construction standard & drawing provided.	225 no.

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<b>3 ph 4W LT Cross arm</b>	<b>Quantity</b>
L.T 3-phase, 4- wire Crossarm made out of 75 mm x 40 mm channel. The crossarm shall be fabricated out of 75 x 40 mm size Channel with 50 mm x 6 mm cleats as per drawing on top & bottom flange of the channel where the Insulator pin is to be mounted, conforming to REC construction standard & GTP provided.	<b>45 nos</b>

<b>1 ph 2W LT Cross arm</b>	<b>Quantity</b>
L.T 1-phase, 2- wire Crossarm made out of 75 mm x 40 mm channel. The crossarm shall be fabricated out of 75 x 40 mm size Channel. with 50 mm x 6 mm cleats as per drawing on top & bottom flange of the channel where the Insulator pin is to be mounted, conforming to REC construction standard & GTP provided.	<b>100 no.</b>

<b>3 ph 5W LT Cross arm</b>	<b>Quantity</b>
L.T 3-phase, 5- wire Crossarm made out of 75 mm x 40 mm channel. The crossarm shall be fabricated out of 75 x 40 mm size M.S Channel with 50 mm x 6 mm cleats on top & bottom flange of the channel where the Insulator pin is to be mounted, conforming to REC construction standard & GTP provided.	<b>100 no.</b>

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<b>Single Pole Transformer Mounting Bracket (As per Drawing &amp; GTP no. P-001)</b>	<b>Quantity</b>
<p>Single pole Mounting Bracket with cantilever suitable for mounting 11/0.23 Kv, 10 KVA / 16 KVA transformer with all required M.S materials of "Single Pole S/s" as per approved drawing such as :</p> <ul style="list-style-type: none"><li>a) Transformer Mounting Channel = (100mmx50mmx6mm) : 2 Nos</li><li>b) Transformer Belting Channel = (100mm x 50mm x 6mm.) : 2 Nos.</li><li>c) Cantilever Supporting Angle = (35mm x 35mm x 6mm.) : 2 Nos.</li><li>d) H.G Fuse Mounting Channel = (100mm x 50mm x 6mm) : 2 Nos.</li><li>e) A.B Switch Mounting Channel = (75mm x 40mm x 6mm) : 2 Nos.</li><li>f) A.B Switch Cantilever Channel = (75mm x 40mm x 6mm) : 2 Nos.</li><li>g) Cantilever Angle = (35mm x 35mm x 5mm) : 2 Nos.</li><li>h) Transformer Hook Clamp suitably as per pole size.</li><li>i) A.B Switch Operating pipe supporting Channel=(100mmx50mmx6mm):1 No.</li><li>j) Top Cut Point Channel = (100mm x 50mm x 6mm) : 2 Nos.,</li></ul> <p style="text-align: center;">as per drawing. REC Standard is to be followed. The structures will be painted with two coats of red-oxide paints. Rates shall be quoted separately for both the drawings of 'Single Pole Transformer Mounting Bracket'.</p>	<b>30 nos.</b>

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<b>Back Clamp for 'LT' Crossarm</b>	<b>Quantity</b>
Back clamp for LT Crossarm on line made out of 50 mm x 8 mm M.S Flat with two coats of red-oxide primer to suit HT PSC Pole confirming to REC construction standard & drawing provided.	<b>95 Nos</b>

<b>Side Stay Clamp for HT PSC Pole</b>	<b>Quantity</b>
Side Stay Clamp for HT PSC Pole made out of 50mm x 8 mm M.S Flat with two coats of red-oxide primer confirming to REC construction standard	<b>232 pairs</b>

<b>Line Stay Clamp for HT PSC Pole</b>	<b>Quantity</b>
Line Stay Clamp for HT PSC Pole made out of 50mm x 8 mm M.S Flat with two coats of red-oxide primer confirming to REC construction standard	<b>100 pairs.</b>

<b>Back Clamp for HT PSC Pole</b>	<b>Quantity</b>
Back clamp for HT PSC Pole made out of 50 mm x 8 mm M.S Flat with two coats of red-oxide primer to suit HT PSC Pole confirming to REC construction standard.	<b>50 nos.</b>

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Service connection Distribution Box with Kit Kat Fuse (6 way)	Quantity
Service connection Distribution boxes with 32 Amp. Kit-Kat Fuse. <b>6 way</b> (330 x 310 x 120) mm with 1.6 mm thick M.S Sheet duely acid treated. The 32 Amp. Kitkats will be spaciouly arranged inside the box strictly as per the Drawing. Cable entry to be given from bottom with well-sized glands so that possible water entry is prevented. High class painting to be done. Steel materials & other parts used in the box shall be conforming to the relevant & uptodate IS Specification.	200 nos.

L.T Line Spacers 3-phase 4-wire	Quantity
L.T Line Spacers 3-phase 4-wire crossarm	600 no.

11 KV G.I Pin	Quantity
11 Kv G.I Pin Conforming to as per REC construction standard & IS: 2486 (Part - 1)/1993, 2 <sup>nd</sup> Revision with its relevant latest amendments & as per drawing provided.	1725 No.

Aluminum Binding Wire	Quantity
Aluminum Binding wire as per relevant ISS & up to date amendments. Size : No.6 SWG Size : No.8 SWG	125 kg. 125 kg.

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Earthing of Support Coil Type	Quantity
Coil Earthing made out of 8 SWG G.I Wire as per REC Specification Standard – J <sub>1</sub> Dimensional drawing of the item shall be provided with the tender.	100 no.

Suspension Fittings for AB Cable	Quantity
<b>Suspension Fittings for AB Cable</b> as per REC Construction standard & Drawing provided of following sizes of cable. Cable size : i) 35 mm <sup>2</sup> ii) 50 mm <sup>2</sup> iii) 95 mm <sup>2</sup>	480 no.

Façade Hook for AB Cable	Quantity
Façade Hook as per REC Construction Standard for AB Cable. Cable size : i) 35 mm <sup>2</sup> ii) 50 mm <sup>2</sup> iii) 95 mm <sup>2</sup>	300 nos

Pole Clamp with hook for AB Conductor	Quantity
Pole clamp with hook for AB Conductor confirming to REC construction standard & drawing provided. Drawing enclosed for reference. N.B : Rates to be quoted separately for "Pole clamp" & "Hook"	480 nos

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Piercing Connector	Quantity
Piercing Connector as per REC Construction standard suitable for : Sizes - 35 mm <sup>2</sup> 50 mm <sup>2</sup> 95 mm <sup>2</sup>	325 no.