

WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA
WESCO

VOLUME- II

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

[Detail Scope of Supply]
ANNEXURE

Date: 11.09.2007

WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA
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**TENDER DOCUMENT FOR SUPPLY OF
GROUP- B ITEMS**

SPECIFICATION FOR GROUP-B ITEMS

11 KV 45 KN Disc Insulator (T & C) Type	Quantity
11 Kv Disc Insulator (T & C type) suitable for overhead power line as per REC construction standard Conforming to IS: 731/1971 (2 nd Revision), (Amendments - 6), Reaffirmed – 1991 & Guaranteed Technical Particulars. Rates for“JSI” make as well as other reputed make shall be quoted.	700 no.

11 KV Pin Insulator	Quantity
11 Kv Pin Insulator Conforming to IS: 731/1971 (2 nd Revision), (Amendments - 6), Reaffirmed – 1991 & Guaranteed Technical Particulars. Rates for“JSI” make as well as other reputed make shall be quoted.	800 no.

33 Kv Disc Insulator (B & S type)	Quantity
33 Kv Disc Insulator (B & S type) suitable for overhead power line Conforming to IS: 731/1971 (2 nd Revision), (Amendments - 6), Reaffirmed – 1991& Guaranteed Technical Particulars.	100 nos.

33 Kv Pin Insulator	Quantity
33 Kv Pin Insulator suitable for 232 mm ² AAAC Conforming to IS: 731/1971 (2 nd Revision), (Amendments - 6), Reaffirmed – 1991& Guaranteed Technical Particulars.	200 nos.

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12 Kv, 10 KA LIGHTENING ARRESTER	Quantity
<p>12 Kv, 10 KA rated Station class gapless type Class II Lightening Arrester suitable for 11 Kv, 3 – Phase, 50 C/s system, Pole mounting Conforming to IEC – 99-4 (1991) & relevant ISS & Amendments having the following technical parameters :</p> <p>a) Type : Station class b) No of Unit : One c) Rated Voltage : 12 Kv d) Normal Discharge Current in KA : 10 e) Reference Current in Ma : 2.25 f) Reference voltage in Kv r.m.s : 12 g) Protective Ratio : 1.83 h) Max. Continuous operative Voltage in Kv r.m.s : 12 Kv. i) High Current impulse withstand in KA : 100 j) Insulation withstand. i) Lightning Impulse (Kv Peak) : 75 ii) P.I dry / wet (Kv r.m.s) : 28 k) Total Creepage Distance (mm) : 300 l) Earthing Arrangement : To be provided m) Height of complete Unit : 370</p>	250 No.

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33 KV Lightening Arrestor	Quantity
30 Kv. 10 KA rated station class heavy duty gapless type discharge class II, Lightening Arrestor suitable for 33 Kv., 3 phase, 50 C/s system as per relevant ISS with amendments. a) Type : Station class b) No of Unit : One c) Rated Voltage : 30 Kv d) Normal Discharge Current in KA : 10 e) Reference Current in Ma : 2.25 f) Reference voltage in Kv r.m.s : 30 g) Protective Ratio : 3.33 h) Max. Continuous operative Voltage in Kv r.m.s : 25.5 Kv. i) High Current impulse withstand in KA : 100 j) Insulation withstand. i) Lightening Impulse (Kv Peak) : 170 ii) P.I dry / wet (Kv r.m.s) : 70 k) Total Creepage Distance (mm) : 900 l) Earthing Arrangement : To be provided	20 nos.