

WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA
WESCO

VOLUME- II

(Tender Specification: WESCO/CEO/020)
GROUP-I

[Detail Scope of Supply]
ANNEXURE

Date: 06.11.2007

VOLUME-II DSS	Specification : WESCO/CEO/020, 07-08
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WESTERN ELECTRICITY SUPPLY COMPANY OF ORISSA
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TENDER DOCUMENT FOR
GROUP- I ITEMS

SPECIFICATION FOR GROUP- ITEMS

12 Kv, 10 KA LIGHTENING ARRESTER	Quantity
12 Kv, 10 KA rated Station class gapless type Class II Lightning 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 : 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	390 No.

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12 KV, 5 KA Lightning Arrestor	Quantity
<p>12 Kv, 5 KA rated Distribution class gapless type Lightning Arrestor 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 : Distribution class b) No of Unit : One c) Rated Voltage : 12 Kv d) Normal Discharge Current in KA : 5 e) Reference Current in Ma : 1 mA f) Reference voltage in Kv r.m.s : 12 g) Protective Ratio : 1.87 h) Max. Continuous operative Voltage in Kv r.m.s : 9.6 Kv i) High Current impulse withstand in KA : 65 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>	390 nos.

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33 KV, 10 KA Lightning Arrestor	Quantity
30 Kv. 10 KA rated station class heavy duty gapless type discharge class II, Lightning 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 withstands. i) Lightning 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	26 nos.

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