

**Pre-Bid Clarification**

**Tender No** TPCODL/P&S/1000000081/2020-21

**Package Name** Rate contract for supply of 30kV 10kA Station class-III polymer lightning arresters

S. No.	Detailed Reference to Tata Power Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
1	2	3	4	5
1	ENG-HV-017 page 4 of 15 sr.no. 21	Max. cantilver strength - 325 KGM	For polymer surge arresters cantilever strength is 200kgf	It is 50 KGM (min)
2	ENG-HV-017 page 5 of 15 clause 5.1.4	MO resistor shall be near to 100mm	For class-3 ZnO block dia 62 ±1mm	Accepted
3	ENG-HV-017 page 7 of 15 clause 7.2.a	Insulation withstand test	This test comes under type test, report will be submitted for review.	Accepted, It is measuremnet of power frequency referece voltage test.
4	ENG-HV-017 page 7 of 15 clause 7.3.k	Dry & wet power frequency voltage test	For outdoor surge arrester dry power frequency withstand test not appliacbel as per IEC 60099-4 clause 8.2.2	Accepted,It is wet power frequency withstand test.
5	ENG-HV-017 page 7 of 15 caluse 8	type test validity 5 years	As per CEA Guidelines type test validity is 10 years, please consider the same.	Accepted upto 10 years but type test should have been carried out on 30 Kv,10kA,class- 3 Lightning Arrester.( As per TPCODL specification)
6	Clause no. 4 General Technical Requirement Sl. No. 21.		Cantilever strength of 325kgm specified is applicable for porcelain type LA. Since the requirement is for Polymer type LA, cantilever strength will be 50kgm (min)	Accepted.It is 50KGM(min).
7	Clause no. 5.1 – Assembly		5.1.4 MO resistor diameter shall be near to 100mm is not mandatory as it varies from different manufacturer. The requirement should be Class 3 and normally for this diameter of block will be around 58mm to 62mm. This need not be specified in the document	Accepted
8	Clause no. 5.2 – Surge Counter		5.2.1 Counter can have higher digit of 5 and above as some counters available in market have 6 digits. 5.2.4 Generally available insulated cable/conductor is 1100V (1.1kV) and hence the same will be supplied. Length of cable required for connection needs to clarified.	Accepted,It is 4kv ,13mtr insulated multi strand copper cable of minimum size 35 sq.mm.
9	Clause no. 7.2 – Acceptance Tests		a) Lightning Impulse Voltage test (Insulation withstand test) is a type test hence to be deleted. Only Power Frequency Reference Voltage test is applicable. All acceptance tests are on sample basis as per sampling plan specified in IS / IEC standard, hence requirement of 100% testing in acceptance test is to be removed.	Accepted.It is Power frequency reference voltage test.
10	Clause no. 7.3 – Type Test		n) Pressure relief test is now renamed as Short Circuit test which is already specified under sl. no. (g), hence to be deleted.	Accepted.
11	Clause no. 7.4 – Special Thermal Stability Test		This test is part of Operating Duty Test, hence not applicable as acceptance test.	Accepted.
12	Clause no. 8 – Type Test certificates		As per recent circular of Central Electricity Authority (CEA), type tests conducted within 10 years are valid, hence the requirement is to be revised accordingly.	Accepted upto 10 years but type test should have been carried out on 30 Kv,10kA,class- 3 Lightning Arrester.( As per TPCODL specification)

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13	Clause no. 11 – Guarantee		Latent defects clause shall not be applicable as this product is protective equipment against over-voltages and in the process it may sacrifice itself.	Bidder shall stand guarantee towards design, materials, workmanship & quality of process/manufacturing of items under the contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Company up to a period of 12 months from the date of commissioning or 18 months from the date of last supplies made under the contract, whichever is earlier, supplier shall be liable to undertake to replace/rectify such defects at his own costs within the mutually agreed timeframe, and to the entire satisfaction of the Company, failing which the Company will be at liberty to get it replaced/rectified at supplier's risks and costs and recover all such expenses plus the Company's own charges ( @ 20% of expenses incurred), from the supplier or from the "Security cum Performance Deposit" as the case may be.
14	General		Bird cap is not mentioned in the requirement, hence the same needs to be incorporated as is being used in 11kV System.	Accepted, It is not required.