



9th July 2021

Expression of Interest

The Tata Power Company Limited, Mumbai T&D Division, seeks response from Interested Business Associates for supply of certain Electrical items. Any reputed Indian manufacturer who is interested to get associated with us can send e-mail to us as detailed below. We will then share requisite details to take the said case forward.

e-mail to be sent to mrpatel@tatapower.com and vivek.mittal@tatapower.com

The email shall clearly mention name and reference number of the equipment as per the table below. The subject line of the email shall be as below,

“Interested Business Associate for __ (put name of equipment)_Reference Number _(Put reference number)”

It is to be noted that,

1. The mentioned requirement is not for any firm or confirmed requirement. Showing interest does not guarantee selection, confirmed participation in future tenders
2. Tata Power reserves the right to pursue the application forward or keep it in database for future use.
3. Acceptance of the business associate for future participation will be subject to various factors like past performance, Factory Acceptance etc.
4. General Requirement: Type test for equipment not older than 5 years is mandatory

Reference Number	Equipment	Key technical requirement
DC 001	Battery Banks up to 220V DC	110V, 220V, 48V Battery Bank Ranging from 300Ah to 1200Ah. Type : 1. Lead Acid (Plante / Tubular) 2. Nickel cadmium
DC 002	DC Charger System (SMPS based)	SMPS Based automatic Float cum Boost charger for 220 V, 110 V, 48 V Batteries with rating ranging from 300AH to 1200AH
DC 003	UPS System	Type-Parallel redundant with Servo Control Voltage stabilizer with Static by-pass Static type, basically composed of static rectifier chargers, static inverters, static switches, for added protection and transfer of loads with no break during under voltage condition to the healthy inverter or to standby Servo / Static regulated supply

Reference Number	Equipment	Key technical requirement
CB 001	Capacitor Bank	<p>22kV, 10 MVAR and 33kV, 15MVAR, Double Star Capacitor bank along with all accessories (including Reactors, NCT, LA, PT etc)</p> <p>NCT: Out-door/Indoor,22/33 kV, 20/1 Amps, PS Class, Oil filled, 100 times rated current</p> <p>SERIES REACTORS: Out-door/Indoor, Dry Type, Resin Impregnated, Air Core, Outdoor, AN Cooled, 0.2% of each 10 and 15 Mvar step. Continuous over voltage rating 110%.</p> <p>Polymer LA: Out-door/Indoor, 22 / 33 kV, Outdoor, Gapless, 10 kA Heavy duty, Class – 3 (Station Medium duty)</p> <p>DISCHARGE PT: Outdoor, oil filled, hermetically filled, dead tank, Class A</p>
SW EQP 001	EHV Outdoor Circuit Breaker	<p>a. (kV) Max. System voltage : 145kV/245kV/420kV</p> <p>b. Current rating : 3150 Amp</p> <p>c. One minute 50 Hz Power frequency withstand voltage : 275kV/460 kV/630 kV (Dry & wet)</p> <p>d. Short time thermal Current : 40/50/63 kA (rms) for 1 sec</p> <p>e. Dynamic withstand current : 100/100/125 kA (peak)</p> <p>f. Minimum creepage distance : 31mm/kV</p>
SW EQP 002	220/110 KV Outdoor Oil filled Current Transformer (Live Tank with Polymer Insulator)	<p>a. (kV) Max. System voltage : 145kV/245kV/420kV</p> <p>b. One minute 50 Hz Power frequency withstand voltage : 275kV/460 kV/630 kV (Dry & wet)</p> <p>c. Short time thermal Current : 40/50/50 kA (rms) for 1 sec</p> <p>d. Dynamic withstand current : 100/100/125 kA (peak)</p> <p>e. Minimum creepage distance : 31mm/kV</p>
SW EQP 003	EHV Outdoor SF6 Current Transformer (Live Tank with Polymer Insulator)	<p>a. (kV) Max. System voltage : 245kV/420kV</p> <p>b. One minute 50 Hz Power frequency : 460 kV/630 kV (Dry & wet)</p> <p>c. Short time thermal Current : 50 kA (rms) for 1 sec</p> <p>d. Dynamic withstand current : 125 kA (peak)</p> <p>e. Minimum creepage distance : 31mm/kV</p>

Reference Number	Equipment	Key technical requirement
SW EQP 004	EHV Outdoor Potential Transformer SF6 filled (Live Tank with Polymer Insulation)	a. (kV) Max. System voltage : 145kV/245kV/420kV b. One minute 50 Hz Power frequency withstand voltage : 275kV/460 kV/630 kV c. Rated Short circuit capacity : 40/50/50 kA (rms) d. Minimum creepage distance : 31mm/kV
SW EQP 005	EHV Outdoor Isolator (Double break design for 400KV Class Isolator)	a. Max. System voltage : 145kV/245kV/420kV Current rating : upto 2500 Amp b. One minute Power frequency withstand voltage c. Across the isolating distance: 315kV/530 kV/630 kV d. To earth and between poles: 275kV/460kV/520 kV e. Rated Short circuit capacity : 40/50/63 kA (rms) for 3 sec f. Minimum creepage distance : 31mm/kV
SW EQP 006	EHV Outdoor Lightning Arrestor (with Polymer Insulator)	a. Reference voltage : 96/198/360 kV b. Rated Short circuit capacity : 40/50/50 kA (rms) for 0.2S c. Minimum creepage distance : 31mm/kV d. Class - III / IV
SW EQP 007	Bus Post Insulator (BPI) with RTV Silicon Coating	a. Voltage class: 145/245/420 kV b. Lightning impulse voltage : 650/1050/1425 kVp c. Minimum creepage distance : 31mm/kV
SW EQP 008	Transmission Line Arrestor (TLA) - NGLA - with surge counter	a. Suitable for 110kV / 220 kV lines b. Rated Short circuit capacity : 40/50 kA (rms) for 0.2 sec c. Minimum creepage distance : 31mm/kV d. Class – II
SW EQP 009	Transmission Line Arrestor (TLA) - EGLA - with surge counter	a. Suitable for 110kV / 220 kV lines b. Rated Short circuit capacity : 40/50 kA (rms) for 0.2 sec c. Minimum creepage distance : 31mm/kV d. Class – II