



PUDUCHERRY POWER CORPORATION LIMITED

(A GOVERNMENT OF PUDUCHERRY UNDERTAKING)

PROJECT OFFICE, T.R. PATTINAM 609 606, KARAİKAL.

Phone: 04368-233060

Email: ppclmmc@gmail.com

Telefax: 04368-233355

Ref.No.AB-028R/MMC/2024-25/ 1904 GSTIN No.34AAACP6507E1Z

Dt 21.01.2025

ENQUIRY

To

Sub: Inviting offer for Testing of SF6 & Vacuum Circuit Breakers - Reg.
QUOTATION TO BE:

Submitted on or before: - 06.02.2025 – 5 pm	Opened on: - 07.02.2025 – 12 pm
Kept valid for 3 months from the date of opening	Submitted in TWO parts.

Sealed quotation is invited for **Testing of SF6 and Vacuum Circuit Breakers** as tabulated below. **The scope of work and specification of Circuit Breakers** are enclosed and the terms & conditions are mentioned therein.

Sl.No.	Description	Unit	Qty
1	11KV SF6 Circuit Breakers (Substation)	No's	13
2	11KV Vacuum Circuit Breakers (Substation)	No's	02
3	11KV Vacuum Circuit Breakers (MCC)	No's	12
4	6.6KV Vacuum Circuit Breakers (MCC)	No's	14
Total			41

The Party should have previous work experience for testing 11Kv & 6.6 Kv Breakers and The supporting documents for testing of 11Kv/6.6Kv Breakers at any industries are to be submitted with the offer.

General Terms and conditions:

1. The rate quoted should be inclusive of providing manpower, transport charges, tools and tackles, etc. required for the works, all taxes and other charges as admissible.
2. Applicable other charges, if any should be clearly mentioned. If not mentioned, it will be presumed that the rate quoted is inclusive of all other charges.
3. The party shall be required to place the "PQR" and the "Tender" in two separate sealed envelopes marked "PQR" and "Tender" respectively. Both the envelopes shall then be placed in another sealed envelope and submitted to the tender inviting authority in the usual manner. The officer opening the tenders shall first open the envelope containing the "PQR". One week time will be given to the party for submitting the pre existing shortfall documents. If the PQR is found to be in order, only then the Officer shall proceed further with opening the Tender. Additional documents asked by TIA to be provided.
4. The rate has to be quoted in the prescribed tabular column format for work measurement. **The L1 rate shall be selected by considering the lowest of total offered value for all breakers. All items have to be quoted.**
5. The work should be carried out in PPCL site, T.R.Pattinam, Karaikal 609 606. **The specification of the SF6 & Vacuum Circuit Breakers and the scope of the work are enclosed.**
6. No Workshop facility is available inside PPCL campus and outside private workshops to be utilized by the party concerned at their own cost.



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7. Exact date for commencement of work will be intimated appropriately and the work has to be completed as per the directions of the Engineer-in-charge (approximately (05) five days work.
8. Necessary Gate pass should be obtained well before the commencement of work.
9. The party should ensure round the clock progress of work at site and should follow all safety rules and procedures strictly inside the plant.
10. In case of any faulty workmanship in the scope of work, the tenderer must rectify the same on free of Cost.
11. **PAYMENT: 80%** Payment will be made within 30 days from the date of receipt of your invoice after completion of work satisfactorily and approval of Engineer-in-charge and the balance **20%** Payment will be made after submission of ESI / EPF etc. documents.
12. **The bill in triplicate along with advance stamped receipt should be sent to the undersigned for effecting payment.**
13. **The bidder shall make payments for ESI & EPF in separate code number other than PPCL code. No permission shall be given for PPCL code.**
14. Party should obtain all permits and licenses under the laws or regulations applicable and in connection with the work carried out and shall comply with and discharge all statutory obligations/liabilities under the various laws such as Factory Act/Workmen's Compensation Act /Employee's State Insurance Act / Employee's Provident Fund Act / Payment of Wages Act / Contract Labour (Regulation & Abolition) Act / Minimum Wages Act Etc., or any modification thereof.
15. Sealed quotations should be superscripted as "**QUOTATION/ENQUIRY NO. AB-028 for Testing of 11KV & 6.6 KV Circuit Breakers**" and to be sent to **The Executive Engineer (Mech.), Puducherry Power Corporation Limited, T.R.Pattinam, Karaikal-609606.**
16. Our Tax payment Identification **GSTIN No.34AAACP6507E1ZS** is registered with Commercial Taxes Department, Puducherry. Bidder should furnish their GST details.
17. The undersigned reserves all rights to accept/reject any or all the quotations without assigning any reasons thereof.


21/01/2025
EXECUTIVE ENGINEER (MECH)-PLANT



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Scope of Work for Testing Vacuum Circuit Breakers:

The testing work for each & every circuit breakers includes cleaning, testing's, attending/rectification of problems and replacement of spares if required.

1. Checking Circuit Breaker Opening time in all 3poles.
2. Checking Circuit Breaker Closing time in all 3poles.
3. Measuring Contact Resistance in all 3poles.
4. Measurement of Insulation Resistance (IR value).
5. Checking of Healthiness of Closing Coil and Tripping Coil.
6. Checking Healthiness of Vacuum bottles, which impress a suitable high voltage & measure the leakage current.
7. While carrying out the breaker testing, if any abnormal values observed, the necessary pole adjustments & breaker settings have to be done by the contractor as directed by the Engineer -in-charge.
8. Any spares if required to be replaced during the breaker testing the contractor should replace the spares as directed by the Engineer -in-charge, spares will be supplied by PPCL.
9. The Contractor should bring all testing instruments and tools & tackles, consumables and etc required for testing and rectification of the breaker problem at PPCL site.
10. The Contractor should have valid calibration certificate for the testing instruments used at the site.
11. The Contractor should mobilize sufficient manpower to complete the job within the shutdown period.
12. The Contractor may visit the site for inspection of breakers, before submitting their offers.
13. After completion of testing work, the agency should furnish two sets of test reports.



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Specification of 11KV and 6.6KV Breakers- Make -ABB

11KV SF6 Circuit Breakers - 13 No's (Substation)		11KV Vacuum Circuit Breakers - 2 No's (Substation) Make : ABB, Year: 2023	
Model	HPA12/1640C & 12/2040C	Model	VD4-HPA 12.16.40
Standard	IEC56	Standard	IEC56
Rated voltage	12KV	Rated voltage	12KV
Insulation level	28/75KV	Insulation level	28/75KV Pk
Rated Frequency	50Hz	Rated Frequency	50Hz
Rated Current	1600A & 2000A	Rated Current	1600A
Breaking Current	40kA	Short Circuit Breaking Current	40kA rms
Making Capacity	100kA	Short Circuit Making Current	100kA Pk
Rated short time current 1/3S	40kA	Short circuit current duration	3 Sec
Year	1996	Operating Sequence	O-0 3s-00-3 Min-00
Auxiliary voltage		Auxiliary voltage	
Closing coil	110V DC	Closing coil	110V DC
Opening coil	110V DC	Opening coil	110V DC
Motor	110V DC	Motor	110V DC
SF6 pressure at 20°C 2-2.5 BAR (0.2-0.25 MPA) Sf6 Gas per pole 0.25kg		Operating Mechanism	EL3

11kV & 6.6kV Vacuum Circuit Breakers-Make:BHEL

Sl. No	Description	11KV Vacuum Circuit Breakers 12 No's	6.6KV Vacuum Circuit Breakers 14No's
1	Type	VM-12	VM-12
2	Rated Voltage	12kV	7.2kV
3	Rated Frequency	50Hz	50Hz
4	Normal Current	800A & 2000A	630A
5	Breaking Capacity	40kA	21.8kA
6	Short time Current	40kA	21.8kA
7	Duration	3 sec	1 sec
8	Making Capacity	102kAp	63kAP
9	P.F.withstand	28kV	21kV
10	Input withstand	75kVP	60kVP
11	Shut trip coil	110V DC	110V DC
12	Spring release coil	110V DC	110V DC
13	Interrupter	VS 10027	WL33379M3



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Sl. No.	Description	Qty No's	Rate per unit (Rs.)	Amount (Rs.)
1	11KV SF6 Circuit Breakers (Substation)	13		
2	11KV Vacuum Circuit Breakers (Substation)	02		
3	11KV Vacuum Circuit Breakers (MCC)	12		
4	6.6KV Vacuum Circuit Breakers (MCC)	14		
Sub-Total				
GST @ %				
Total Amount				

Commercial Terms and Condition:

Sl. No.	Details	Terms in Enquiry	Terms Accepted by the Party
1	Price Quoted	FOR Site, Inclusive of manpower, transport charges, GST and applicable taxes and other charges.	
2	Payment Terms	80% Payment within 30days after completion and balance 20% after submission of ESI & EPF documents	
3	Validity	90 Days from date of opening	
4	Delivery/ Completion Period	To be completed as per the directions of the Engineer-in-charge. Five days.	
5	Acceptance of All the Terms and Condition of the Enquiry	To be Accepted	
6	Supporting Documents for the previous experience	Should be enclosed	

Signature with Seal of the Party