

 <p>MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd.</p>	<p align="center">MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED (CIN No. U40109MH2005SGC153646) Office of the Superintending Engineer, EHV O&M Circle, Pune Administrative Building, 3rd floor, Block No.404, Rasta Peth, Pune-411 011 Phone No. (O) 26131729 Mail: se6100@mahatransco.in</p>	
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No. SE/EHV/O&M/Circle/Pune/T/No.

Date: 29 JUL 2025

ENQUIRY

Subject: Enquiry for procurement of 3 Nos. of 25 Kg SF6 Gas Duly filled cylinder for utilization at various EHV S/stns under EHV O&M Circle, Pune.

Dear Sir,

Sealed & super scribed quotations are invited, so as to reach this office on or before dtd. 06.08.2025 up to 11:00 Hrs. for procurement of 3 Nos. of 25 Kg SF6 Gas Duly filled cylinder for utilization at various EHV S/stns under EHV O&M Circle, Pune on following Terms & Conditions and as per schedule "A" mentioned below.

The bidders are requested to go through the following instruction in case of any doubt, get them clarified in writing or in person from the office of the Executive Engineer, MSETCL, EHV O&M Circle, Pune in advance at least before three days.

TERMS AND CONDITIONS:

1. The offer should be submitted in two separate sealed envelopes contained in one main envelope super scribing the subject.

Separate envelopes shall be as follows:

- 1) **Envelop I: This contain documents mentioned below:**
 - a) Valid copy of Goods & Service Tax (GST) (if any)
 - b) Copy of PAN
 - c) Valid authorization certificate of dealership from manufacturer
 - d) Work Experience Certificate for similar nature of works in MSETCL/MSEDCL/any Power Utility or in Private Company in India.

If validity of any license/certificate expires during order period, contractor will have to renew the same & submit the copy to this office.

Above documents shall be verified by Technical & F&A Section.

- 2) **Envelop II: Price Bid Document.**

This should contain only price bid in given schedule "A", not in another format.

Above both "Envelope I & Envelope II" shall be enclosed in another big envelope in sealed & super scribed the subject of the work.

After verifying the full documents in envelope-I, if it is found that, the bidder fulfills the desired prerequisites; Envelope-II will be opened. If the same is not found meeting the

prerequisite, Envelope-II will not be opened.

Quotations with incomplete details or submitted without sealing or super scribing or not submitted in prescribed form etc. are liable to reject. **Offer on fax or E-Mail will not be accepted. This office will not be responsible in delay in postal transit.**

SPECIAL TERMS AND CONDITIONS OF THE ENQUIRY

- 1) **Value of work Order:** It is the bidder's responsibility to carry out the works under the work order value of Rs.94,960.50/-. If any Extra work carried out by the bidder against the said order, then it will be solely depending at their risk & cost and this company will not be responsible for that.
- 2) **Validity of Offer:** The offer shall be valid up to 180 days from the date of opening of the commercial Bid of tender.
- 3) **Agreement:** The contractor shall enter into an agreement on Non-Judicial Stamp paper amounting Rs. 800/- (As per estimated Amount) with the MSETCL within 07 days from the date of receipt of the LOI. The MSETCL will not be liable to pay, nor shall the contractor be entitled to claim amount due or payable under the contract until the agreement is executed. The necessary stamp duty for the agreement shall be borne by the contractor.
- 4) **Security Deposit:** Successful bidder will have to pay security 10% of total order amount within 7 days from the date of receipt of LOI at EHV O&M Circle, Pune. If you fail to do so, the SD will be recovered from your bills with interest. Also, you will have to apply for a refund of the SD within 6 months after completion of guarantee period as per work order. If you fail to apply within the stipulated period, your SD amount may liable for forfeit & the action will be taken as per MSETCL rules. SD will be refunded only after satisfactory completion of the guarantee period after adjustment of any amount payable by you to MSETCL and after receipt of NOC from concern authority. If PBG is submitted in the form of bank guarantee, proof of stamp duty paid as per Maharashtra Stamp act 2015 (Circular No. MSETCL/Director (Finance)/04567 Dtd. 30.04.2016) should be attached. BG may be ensured as per format enclosed. ***Please note that, the % of SD/PBG Clause of the work order may vary as per rules & guidelines issued by MSETCL / Govt from time to time. Same will be binding on you. For the offers received below the estimated cost of enquiry, the amount of Performance Bank Guarantee shall be applicable as under.***

Sr No	Offer Received	SD	ASD for offer up to 10% below	ASD for offer between 10% to 15% below	ASD for offer below 15% or more
		Works Including Supply			
1	At par or above	5%	—		
2	Up to 10% below	5%	1%		
3	between 10% & to 15% below	5%	1%	01% for every 01% or part thereof more than 10%	
4	Below 15% or more	5%	1%	5%	02% for every 01% or part thereof more than 15%

The termination of the Contract on account of 'Contractor's default' shall not entitle the Contractor to reduce the value of the Security Deposit / Performance Guarantee nor the time thereof. The Security Deposit / Performance Guarantee shall be valid for the full value and for the full period of Contract including 90 days after the end of guarantee period.

- 5) **Work Completion Period:** -The total work completion period is **30 days from the date of issue of LOI.**
- 6) **Delivery of Material:** The material shall be delivered at 400 kV Jejuri S/stn.
- 7) **Time is the essence of the Contract:** The time stipulated in the Contract for the completion of works shall be deemed to be the essence of the Contract. The Bidder shall so organize his resources and perform his work as to complete it not later than the date agreed to.
- 8) **Penalty/ Liquidated Damages:** If the Bidder fails to complete all the works within the stipulated time completion period, the Owner shall levy liquidated damages for breach of Contract without prejudice to any other rights and/or remedies provided for the Contract. The liquidated damages shall be levied at ½% (half percent) of the total Contract price per week of delay subject to maximum of 10% (Ten percent) of the Contract price for the entire scope of work delay. The Contract may be terminated by the Owner and the balance work shall be completed by the Owner at the risk and cost of the Bidder in case the progress is not to the satisfactory of the owner.
- 9) **Risk & Cost:** - In case the Bidder fail to complete the work entrusted partly or fully, the undersigned reserves the right to get the balance work carried out through another agency and the difference in cost will be recovered from the bill and S.D. If the balance remained to be recovered the same shall be recovered from the Bidder.
- 10) **Execution of the work:** The execution of work is to be planned in consultation with the Executive Engineer, 400 kV R.S. Dn. Jejuri.
- 11) **Supervision of the work:** The works shall be under overall supervision of Executive Engineer, 400 kV R.S. Dn. Jejuri and shall be subject to the approval from concerned Executive Engineer. If it is found that performance of work is unsatisfactory, the contract is liable for termination.
- 12) **Operating Authority:** This contract will be operated by the concerned Executive Engineer, 400 kV R.S. Dn. Jejuri or his designated representative.
- 13) **Price Variation:** - Price variation clause is not applicable for contract.
- 14) **Payment terms:**
 1. The bill will be paid against completion of total scope as per Annexure 'A'.
 2. The payment will be made at EHV O&M Circle, Pune.
 3. The tax invoice clearly indicating GST as applicable, advance stamp receipt, along with the certificate from the Engineer – in- charge for having completed the work satisfactorily must be submitted to EHV O&M Circle, Pune.
- 15) **GST:** GST Invoice to be submitted by the Bidder. GST will be paid as per prevailing rates by MSETCL.
- 16) **Submission of Tax invoice (bills):-**
 - a) Tax Invoice/ bill in triplicate on completion of work is to be submitted to the office of EHV O&M Circle, Pune. The payment of same will be normally made within a

reasonable period from the date of receipt of the bill.

- b) Tax Invoice submitted without proper and complete details, will not be admitted for payment and shall be returned at the risk and cost of the Bidder. The delay caused in processing the bills shall be to the Bidder's account. All original documents or certified Xerox copy shall be attached to bill.

- 17) **Insurance:** Fragile/costly material undergoing transportation, loading, unloading, shifting etc. against this order shall be insured by you at your cost. Transportation of the material along with packaging shall be arranged at your cost. Decision as to which material needs to be insured shall be taken by the Engineer In charge irrespective of whether the goods are insured or not, staff of Bidder must take due care while performing the work. In case the material is not insured and damaged on account of carelessness, improper T&P/Vehicles/equipment used/purposely made compensation will be recovered from the Bidder. This is applicable in the case of your owned or hired vehicle/crane as the case may be.
- 18) **Guarantee:** The successful Bidder will have to provide warranty / guarantee for the provided material for a period of 12 months from the date of delivery at concerned office of MSETCL. Any defects developed during the guarantee period of 12 months from the date of delivery at concerned office of MSETCL, shall be rectified or made good by you at your own cost.
- 19) **Interpretation:** If the Bidder has any doubt about the meaning of any portion of this Bid, He should at once seek clarification from the undersigned in writing, in any case, before at Least three days before the due date. Additions or alterations in Bid form / conditions etc. by the Bidder without the consent of the undersigned are not permissible. In case of any dispute whatsoever, regarding interpretation of the terms and conditions, or quality, the decision of the undersigned will be final and binding on the Bidder.
- 20) **Acceptance of Bid:** The MSETCL reserves the right to reject or place order for any of the items of work. There is no binding on the MSETCL to accept the lowest or any other Bids. There is also no binding on the MSETCL to disclose analysis or report or notes to the Bidder. The MSETCL reserves the right to reject any Bid which does not confirm to any of the conditions. The decision regarding the acceptance of the Bid shall be intimated by MSETCL within a period of 90 days from the opening of the Technical Bid & the Bidder shall be bound to complete the work when the acceptance is intimated at the Bidder address.
- 21) **Hindrance of work:** - If the work has to be suspended due to any reason, the MSETCL shall not pay any compensation / Damage to the contractor for items like labor, idle machinery, vehicles etc. However, in such case the contractor will be paid for the actual work executed by him under the supervision & measured by the concerned Executive Engineer. A separate register shall be maintained jointly by the in-charge and the agency.
- 22) **Quality:** The 25 Kg SF6 Gas duly filled cylinder should be supplied strictly confirming to our specification or as stated in the Schedule otherwise same will be rejected and you will have replace/repair the same at your own risk and cost only.

- 23) Quantities:** The quantities required are mentioned in the Annexure 'A'.
- 24) Damages to Persons and Property:** The Bidder shall indemnify MSETCL against any losses and claims regarding any injuries of damage to any persons, material or physical damage to any property whatsoever which may arise out of, or in consequence of the execution of the work. During execution of work any damage/loss to the Transmission Company's property occurs will be recovered from the Bidder.
- 25) Contractor's employees:** The Bidders shall employ and provide onsite only such employees who are skilled and experienced for execution and supervision of works. The Bidder shall provide housing accommodation to his employees. He shall also be responsible for any injury / accident to his employees, payment of compensations etc. as may be required to be paid eventually, shall be borne by the Bidder himself. The Bidder should ensure that his staff uses the requisite safety equipment. The employees should be duly insured against any such eventuality.
- 26) Sub-letting of Contract:** The contract, or any thereof shall not be assigned, transferred, or sublet without the prior written permission of the undersigned. Even if such permission is granted, it shall be the responsibility of the principal contractor to whom the work order was originally issued, to execute the works as per the terms of the contract.
- 27) Force Majeure:** The following clauses which substantially affect the performance of the Contract shall only be considered as force majeure conditions: Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics. Acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, quarantines, embargoes. Provided the party affected by the 'Force Majeure' shall within fifteen (15) days from the occurrence of such a clause, notify the other party in writing of such cause with sufficient documentary proof.
- 28) Income Tax, GST, TDS and Labour Cess:** Income Tax, GST, TDS and Labour cess as applicable will be deducted from the bills as per rules & regulations. All applicable taxes & levies are deducted (if applicable) at the time of payment.
- 29) Details Confidential:** The Contractor shall treat the Contract and everything contained therein as private and confidential. In particular the Contractor shall not publish any information, drawing or photograph concerning the works and shall not use the sites for the purpose of advertising except with the written consent of the Engineer and subject to such conditions as he may prescribed during the course of execution of contract you may receive information of the confidential nature or proprietary nature which is to be used only during the course of execution of work (whenever necessary). Such a type of information is not to be disclosed with another party. Hence at the time of the contract you will have to give an undertaking regarding nondisclosure of confidential information.
- 30) Disputes:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred

by the contractor to S.E. and the S.E. shall (within 120 days after receipt of the contractor's representative make and notify decisions of all matters to by the contractor in writing.

31) Termination of Contract: The undersigned reserves the right to cancel the contract, after giving due notice to the contractor, in the event of the breach of contract in any respect or undue delay in execution of work / starting of the work.

32) Applicability of General Conditions of Contract: Notwithstanding anything stated herein, the MSETCL's General Terms and Conditions of Contract shall be applicable to the contract, as far as they are applicable to this contract also.

33) Jurisdiction: Any disputes or differences, arising out of, if any, in connection with this contract, shall be subject to exclusive jurisdiction of the Pune District only.

34) The undersigned reserves the right to cancel the enquiry without assigning any reasons at any stage thereof.

Thanking you.

Encl.: Schedule 'A' & Detail specifications for 25 kg SF6 gas duly filled cylinder.

Yours faithfully,


(Vitthal D. Bhujbal)

Superintending Engineer
EHV O&M Circle, Pune

Copy to:

1. The Manager (F&A), EHV O&M Circle Pune.

Schedule 'A'

Subject: Enquiry for procurement of 3 Nos. of 25 Kg SF6 Gas Duly filled cylinder for utilization at various EHV S/stns under EHV O&M Circle, Pune.

Sr. No.	Particulars	Qty	Ex Rate	GST @ 18%	Unit Rate	Amt. in Rs.
1	Procurement of 25 Kg of SF6 Gas Duly Filled Cylinder.	3	26825.00	4828.50	31653.50	94960.50
Total Amount						94961/-
Amount in Words – Rs. Ninety Four Thousand Nine Hundred & Sixty One only.						

The contractors have to quote above/below/At par in % in respect of total Amount. The contractor should not quote above/below/At par of individual items, such Price bid will be rejected.

1. -----% Below (In words -----) of the above total estimated cost.
2. ----- At Par (In words -----) of the above total estimated cost.
3. -----% Above (In word-----) of the above total estimated cost.

The Terms & Conditions are as follows:

- 1) The rate should be quoted on a firm quotation basis.
- 2) The rates should be exclusive of all taxes. Taxes should be quoted extra.
- 3) Rates for transportations shall be quoted separately.

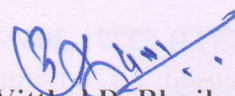
Thanking you,

Dated

Signature of Contractor with Seal

Name -----

Address-----


(Vitthal D. Bhujbal)
Superintending Engineer
EHV O&M Circle, Pune

Detail specifications for 25 kg SF6 gas duly filled cylinder.

1.0 SCOPE:-

- a) Providing 3 Nos of 25 kg SF6 gas duly filled cylinders with complete testing (all test report shall be submitted).
- b) Supply of SF6 Gas Cylinders at

It is not the intent to specify completely herein all the details of the manufacture of SF6 gas. However, the SF6 Gas shall conform in all respects to the technical specification as mentioned herein and shall be acceptable to the purchaser, who will interpret the meanings of specifications and shall have the power to reject any material which, in his judgment is not in accordance therewith. The offered SF6 Gas cylinder shall be complete with all components necessary for their effective and trouble-free use. Such components shall be deemed to be within the scope of supplier's supply irrespective of whether those are specifically brought out in this specification and/or the commercial order or not.

2.0 STANDARDS:-

The manufacture and performance of SF6 Gas shall comply with all currently applicable standards, regulations and safety codes in the locality where the SF6 Gas will be used. Unless otherwise specified, the SF6 Gas shall conform to the latest Indian Standards/IEC and in particular to the requirements as detailed below:

1. IEC 60376:2018 (Edition 3.0) & IS 13072:2021:

Purity levels, allowable impurities, and mixture compositions for SF6 and its blends before they are filled into equipment like switchgear.

2. IS 3224:2021:

Applies to new valve fittings used in refillable aluminium and steel cylinders, up to 1,000 L water capacity, for compressed gases (permanent, high- and low-pressure, liquefiable/dissolved). Includes valve types such as fire-fighting valves, CNG auto-gas valves, pressure relief devices (PRDs), and excess-flow valves.

3. IS 4379:2021:

Both steel and aluminum industrial gas cylinders, prescribing standardized marking and color-coding systems to clearly identify cylinder contents.

4. IEC/TR 62271-303:-2008:

Focused on environmental protection by mandating closed-cycle SF6 handling and prohibiting intentional emissions. Emphasized recovery and reclamation, enabling reuse on-site or return to gas suppliers for technical-grade SF6 production. Incorporated established SF6 handling techniques adapted from CIGRÉ brochure 276 (replacing older safety focus in IEC 61634)

PRINCIPAL TECHNICAL PARAMETERS OF SF6 GAS:

Physical properties	Colorless, odorless, nontoxic and non-flammable
Density at 0°C and 1 atm	6.17 kg/m ³
Dielectric strength	2.5 to 3 times higher than air at the same pressure and temperature.
Capability	Arc quenching (Rapid electron capture interrupts arcs) Chemical inertness (Stable, non-reactive, non-toxic) Thermal stability (Withstands high temperatures) Environmental impact (Very high Global Warming Potential)

3.0 TESTS:

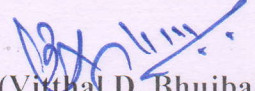
3 No SF6 Gas Cylinder shall be dispatched with testing. The testing report submitted.

4.0 TYPE TEST:

The SF6 Gas offered, shall be fully type tested as per relevant standards at laboratories which are accredited by National Accreditation Board of Testing and Calibration Laboratories (NABL), Government of India to prove that the equipment offered meets the requirements of the specification. In case SF6 Gas offered has already been type tested in NABL accredited laboratory, the bidder shall furnish two sets of type test reports. All the type tests should have been successfully carried out within 5 (five) years/ as per the latest CEA guidelines from the date of first bid submission. In case these type tests are conducted earlier than preceding five years all the type tests as per the relevant standards will have to be carried out by the manufacturer in the NABL Accredited Laboratories at his own cost before commencement of supply.

5.0 ROUTINE TEST:

- 1) All routine and acceptance tests as stipulated in the specified standards shall be submitted by the supplier to MSETCL's representative at bidder's cost. The acceptance tests, wherever possible, shall be performed on the SF6 Gas. The number of samples to be subjected to acceptance tests shall be decided by the purchaser at the time of actual testing.
- 2) The acceptance of any quantity of material shall in no way relieve the Contractor of any of his responsibilities for meeting all requirements of the specification and shall not prevent subsequent rejection, if such materials are later found to be defective.
- 3) Certificate of accreditation of the testing laboratory where the type tests are conducted shall be submitted.
- 4) Performance certificate for the SF6 gas cylinder offered for evaluation of qualifying requirements shall be submitted.
- 5) Type test reports duly sealed and signed on each page indicating the name of Laboratories addresses shall be submitted.
- 6) User's Performance where Certificate Type for SF6 Tests gas are cylinder conducted. Offered shall be submitted.
- 7) Statement of supplies executed in past shall be submitted.


(Vitthal D. Bhujbal)
Superintending Engineer
EHV O&M Circle, Pune