

Tech Specs for supply of oxygen gas at NTPC Solapur

SN	Tech Specs
1	"GAS,CHEMICAL TYPE : OXYGEN PURITY : 99.9% STANDARD : IS 309 RE-FILLING OF OXYGEN GAS, IN OXYGEN GAS CYLINDER OF 7/10 M3, MINIMUM PRESSURE RATING: 135 KG/CM2 FOR 7 M3 AND 150 KG/CM2 FOR 10 M3. THE PARTY HAS TO SUBMIT MANUFACTURER/NABL/GOVT. LAB TEST CERTIFICATE FOR PURITY OF GAS WITH EACH CONSIGNMENT"
2	Cylinder Valve
3	Cylinder Cap/Guard
4	Cylinder Spindle
5	Hydro Testing of Cylinder
6	Painting of Cylinder

Common Terms and Conditions applicable for all the line items.

1. Gas has to be supplied in NTPC Cylinders. However, in some cases the vendor may have to supply in his own cylinders, which will be returned while supplying the next consignment. NTPC will not pay any rent for the cylinders supplied by the party.

DELIVERY :

2. Delivery shall be made in a staggered manner, on as and when required basis. Validity of PO shall be 1 year from the date of PO or complete utilisation of quantity, whichever is earlier.
3. No. of Cylinders per trip shall be approx. 50 to 60 depending on the requirement at Station.
4. Transportation of Empty cylinders from NTPC to vendor's premises for refilling & transportation of filled cylinders to NTPC is in vendor scope. Loading and Unloading of empty & filled cylinders at NTPC end shall be under NTPC Scope. Loading and Unloading of empty & filled cylinders at Vendor's Work shall be under vendor scope.
5. Vendor has to collect empty cylinders and deliver back the filled cylinder within 7 days of intimation from NTPC STATION. In case of failure to supply the gases within the stipulated time frame, NTPC may arrange for gas supply from other sources at the risk and cost of the vendor.
6. NTPC will hand over the cylinders with caps, the vendor must return the cylinder with caps only, in case if vendor misplaces the caps and returns the cylinder without cap a penalty of Rs 500 per cap will be deducted from his bills.
7. While sending filled cylinders party must send the material gate pass copy which was issued while collecting the empty cylinders.

8. Transporter should report in first half of the day at our site for Collection and delivery of the cylinders. Vehicle must accompany helper, original driving license (hard copy of license only allowed by CISF) with all safety PPEs required for handling empty/filled compressed gas cylinders.
9. Vendor should inform the healthiness of cylinders to NTPC before filling. If any spares are required to be replaced, the same is to be intimated to NTPC and clearance of EIC is required before carrying out the same. Cylinder maintenance / spares charges are to be quoted. Quantity mentioned for cylinder maintenance / spares charges is indicative only.
10. In case of any irreparable damage/ loss of cylinder during transportation/filling vendor will have to supply new Cylinder of same size and capacity with hydro static stretch test Certificate (which will be compliant to all statutory requirements).

PAYMENT :

11. Payment : Payment will be released to the party only if all the necessary certificates are submitted along with the supply of filled cylinders.
12. The following documents shall also be submitted during delivery:
Original Invoice b) Test/Purity Certificate
13. Quantity variation – +/- 20 % for all items

INSURANCE :

14. Separate Transit Insurance has to be taken by Vendor to meet any Unforeseen event like accident to vehicle, persons and cylinders.
15. Vendor will be responsible for any damages (to third party) which might happen during transportation/ filling.
16. Cylinders are NTPC property. Approximately 60 cylinders will be lying with vendor at the time of supply. Value of 60 cylinders is worth of Rs. 6 Lakhs. Vendor has to submit indemnity bond of equivalent amount to NTPC before taking out the cylinders from the plant premises. Validity of the indemnity bond will cover the entire contract duration which will be returned after completion of supply of gases/cylinders on certification of EIC.
17. The empty and refilled cylinders sent for refilling under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to supplier, transportation, storage and delivery. For delivery of goods at the purchaser premises, the insurance shall be obtained by the Supplier in an amount equal to 100% of the value of the goods and cylinders from "Warehouse to warehouse" (final destinations) on "All Risks" basis including war Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after final dispatch. The vendor shall indemnify, protect and save NTPC Ltd. against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from execution of this contract.

SAFETY :

18. Vendors need to strictly follow all safety and statutory requirements during transportation of filled and empty cylinders.
19. As cylinders are old, hydro static stretch testing, flushing, cleaning and purging of cylinders, double coating painting, punching and cleaning of cylinder valve, spindle and caps to be carried out/replaced and test certificate to be provided as per gas cylinder rule 2016. Cylinders must only be filled if they have Hydrostatic Stretch

Test Certificate from PESO or from a PESO authorized testing facility.

20. The supplier shall ensure compliance of all safety and environmental rules for transportation, handling and storage of hazardous chemicals as per manufacturer, storage & import of hazardous chemicals rules 1989 including its amendment 1994 & 2000 (or latest) wherever applicable.
21. The party must ensure compliance of Gas Cylinders Rules 2016 (PESO).
22. THE BIDDERS MUST COMPLY WITH ALL THE PROVISIONS OF GAS CYLINDER RULES, 2016 IN RESPECT OF:
 - (a) FILLING, POSSESSION, IMPORT & TRANSPORT OF CYLINDER(RULE-3)
 - (b) RESTRICTION ON DELIVERY AND DISPATCH OF CYLINDER(RULE-10)
 - (c) LICENSE FOR FILLING AND POSSESSION (RULE-43)
 - (d) NO LICENSE FOR POSSESSION FOR IN CERTAIN CASES (RULE-44)
 - (e) ALL OTHER APPLICABLE RULES & SUB-RULES AGAINST ABOVE.

CERTIFICATION :

23. Vendor must submit Manufacturer Test Certificate of each lot of gas cylinder. Weight, Pressure and Purity will be checked with each consignment. However, cylinder shall be physically inspected on receipt at NTPC -STATION. Cylinder shall be rejected if the pressure is less than 140 - 150 KSC for 46-47 ltrs cylinder capacity. Vendor shall not supply by-product gases, and such gases will be rejected.
24. Vendor should have facility for carrying out the hydro static stretch testing of the cylinder if any cylinder hydro static stretch testing is required, it can be done by the vendor.
25. Waybill if applicable shall be arranged by Party.
26. Agency has to provide PESO certificate FOR STORAGE & FILLING OF GASES in the name of bidder or its principal manufacturer.
27. Vendor to submit TC, for Leakage Test, Capacity & Hydrostatic Stretch Pressure test, along with the material (applicable for all line items).