

BOKARO POWER SUPPLY CO. (P) LTD.

**HALL NO:- M-01, OLD ADMINISTRATIVE BUILDING,
ISPAT BHAVAN, BOKARO STEEL CITY – 827001**

TENDER NOTICE NO. BPSCL/CEO/P&C/10-11/PUR-199/NIT-249/7069

Dated 13.11.2010

TENDER DOCUMENT

**SUBJECT: PROCUREMENT OF HYDROGEN GAS FOR
COOLING OF TURBO GENERATORS**

**COST: Rs. 1000/-
(Rupees One Thousand Only)**

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Bokaro Power Supply Company (P) Limited
(A Joint Venture of SAIL & DVC)
Hall No. M-01, Old Administrative Building
Ispat Bhawan, Bokaro Steel City 827 001

NOTICE INVITING TENDER

No. BPSCL/CEO/P&C/10-11/ PUR-199/NIT-249/7069

Date: 13.11.2010

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD (BPSCL), sealed tenders in four parts, i.e. Cost of Tender Document along with proof of qualifying requirements (Part A), EMD (Part B), Techno-commercial bid (Part-C) and Price bid (Part D) are invited by the undersigned from reputed manufacturers or their authorised representative for supply of “HYDROGEN GAS FOR COOLING OF TURBO GENERATORS” as per the details given in **Description of Material (Section-IV)**.

Material Details:	
Item	HYDROGEN GAS FOR COOLING OF TURBO GENERATORS
Quantity	AS GIVEN IN DESCRIPTION OF MATERIAL (Section-IV)
Material Specification	AS PER SECTION-IV.
Qualifying requirements: -	
i) The bidder must submit a self attested copy of recent Purchase order (P.O.) (s), (issued within last three years) as proof of supply of Hydrogen Gas, supplied to a PSU, Central / State Government Organization, or, Joint Venture / Regulated Company thereof, or Reputed Private organization. The value of such Purchase order (s) should be not less than:-	
a. Rs. 7, 20,000.00 (Rupees Seven Lakh Twenty Thousand only, excluding taxes) for a single P.O.	
OR	
b. Rs. 3, 60,000.00 (Rupees Three Lakhs Sixty Thousand only, excluding taxes) for each of two or more PO's.	
ii) The bidder should be either of the following:-	
a. An Original Equipment Manufacturer of Hydrogen Gas, manufactured by Electrolysis Process of Pure water.	
OR.	
b. An authorized representative of the Original Manufacturer of Hydrogen Gas, manufactured by Electrolysis Process of Pure water.	
Proof of the same (together with certificates of authorization from OEM, in case of authorized representative) along with proof of process of manufacture of Hydrogen Gas, which should be Electrolysis Process of Pure Water, must be submitted along with the bid.	
iii) The bidder (or its Principal company, in case the bidder being authorized representative of the same) should be manufacturers of the subject item (as described in Point No. 2 above) having valid ISO – 9001 certification duly issued by competent authority. Proof of the same should be submitted.	
iv) a. The average annual turnover of the bidder during last three financial years should not be less than Rupees 15 (Fifteen) lakhs (INR).	
b. The bidder shall submit self attested copies of audited balance sheet / profit & loss account for last three (03) consecutive financial years.	
v) The bidder shall furnish self attested copy of up to date IT return.	
vi) The bidder will have to submit authenticated (signature with seal of the company) copy of documentary evidence of Sl. No. i to v	
along with the tender, failing which the bid will be summarily rejected. The original documents are to be produced on demand.	
vii) The bidder shall submit a declaration (duly signed by the representative of bidder with seal of the company) that he / it/they is / are NOT debarred by any central / State Government agencies or by any PSU company under any sort of blacklist / holiday list.	
Other information: -	
Cost of Tender Paper (non refundable)	Rs. 1000.00 (Rupees One Thousand only)
Last date & time for submission of tender	20.12.2010 up to 15.00 Hours
Bid Opening date & time (Part – A, B & C)	20.12.2010 at 15.30 Hours

General Terms & Conditions:

- i) Tenderers should obtain the tender documents from Company's website www.bpscl.in and submit the duly filled documents along with the cost of tender documents of **Rs. 1000/=** by way of demand draft drawn on any nationalized bank/scheduled commercial bank, drawn in favour of Bokaro Power Supply Co (P) Ltd, payable at Bokaro Steel City, in the office of the undersigned on any working day during office hours. However Govt. organization, small scale industries registered with NSIC, need not submit the cost of tender document subject to production of the documentary evidence like valid Registration Certificate of the same item or group of item from appropriate Govt. Authority.
- ii) Tender shall be enclosed with **EMD of Rs. 32,800/- (Rupees Thirty Two Thousand Eight Hundred only)** in shape of DD/Bank Guarantee drawn on any Nationalised Bank / Scheduled Commercial Bank in favour of Bokaro Power Supply Company (P) Ltd., payable at Bokaro Steel City. EMD exemption, wherever applicable, may be availed of by Government organisations/NSIC units against entitlement documents.
- iii) The undersigned reserves the right to either reject any / all tenders without assigning any reason thereof and also reserve the right to alter the qualifying requirements.
- iv) **Any corrigendum/addendum/extension of bid opening date will be published through our website www.bpscl.in only and not through news paper.**

For and on behalf
Bokaro Power Supply Co (P) Ltd.
Sd/-

Section – I

1.00 Conditions & Rules to be observed in submitting Tenders

1.1 Manner of Submission of the Tender

The tender shall be divided into **04 parts** as follows:-

- a) **Part A:** This part Comprises Proof of Qualifying Requirements along with an **authenticated copy** of latest Income Tax return Certificate and latest Sales Tax Registration Certificate, copy of purchase orders, marked with (Part-A) ‘Qualifying Requirements’, NIT No. & date.
- b) **Part B:** This part comprises the Earnest Money Deposit in the manner as stated in the tender which shall be in one envelope marked with (Part-B) ‘EMD’, NIT No. & date.
- c) **Part C:** This part Comprises Technical and Commercial details executed, consent on special terms & conditions framed under Section – II etc. marked with (Part-C) Techno-Commercial Bid, NIT No. & Date.
- d) **Part D:** This part shall contain only the price schedule comprising the rates filled in figures and words as per the instruction given elsewhere in this tender. This should be kept in a sealed cover marked Price Bid (Part -D), NIT No. and Date.

1.1.1 Each part should be sealed in separate envelopes, clearly superscribing on the top of each envelope the relevant part number and description along with NIT reference and date of opening and submit all the parts simultaneously in another sealed envelope clearly superscribing NIT reference and date of opening.

1.2 Tender Validity Period

The tender shall be valid atleast for **120** (One Hundred Twenty) days from the date of opening.

1.3 General

- i) The bidder shall complete the Bid Proposal in all respect by inserting correct applicable ‘data’ in the ‘blank box’ against each item/Sl. No. positively.
- ii) The tender rates shall be written in English, in ink both words and figures. In the case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In the case of discrepancy in the Unit Rate and Amount, Unit Rate will govern. Erasures, changes, and corrections of whatever type/nature shall be attested by the tenderer. The rates amount shall be written in Rupees and Paise only. The rates in words shall be written in one single line only without admitting any interpolations.
- iii) **All pages of the tender documents, conditions, specifications, enclosures, drawings etc. shall be initialed at the lower left hand corner and signed by the tenderer before submission of the tender.**

- iv) If the intending tenderer is a Firm or Company, then they shall, in the forwarding letter, mention the number and names of all the partners shall sign before submitting the same unless the Power of Attorney holder has specifically been authorized in this respect.
- v) If any tenderer withdraws his tender before its acceptance or refuses within a reasonable time without giving any satisfactory and acceptable explanation thereof, the tenderer shall be disqualified for making any tender of the BPSCL for a minimum period of one year and the Earnest Money will be forfeited.
- vi) Proprietary Article Certificate (PAC) and Price Reasonable Certificate (PRC) stating that the prices charged are reasonable and the same being charged to all the Govt. /Semi govt. organisations/ PSUs including D.G.S. & D. where applicable. Where agent commission is involved, the same in percentage invariably be indicated.
- vii) **Handling of Earnest Money:**
 - a) Earnest Money will be refunded to the un-successful tenderer after finalisation of tender and no interest will be paid for the same.
 - b) The amount of Earnest money will be adjusted against Security Deposit only in case of successful Tenderer.
- viii) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at same time.
- ix) **Any conditional offer or offer having deviations from our specification & instruction sheets is liable to be rejected.**
- x) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

Section – II

2.00 General Terms and Conditions

- 2.1 Specification, quantity, unit rate, taxes, duties, freight, insurance, packaging, forwarding etc. should be mentioned separately and clearly.
- 2.2 Offer is to either type written or handwritten and in no case partly type written and partly hand written. No corrections, overtyping shall be permitted. If so, the same shall be summarily rejected.
- 2.3 The Tenderer shall quote the unit rate in figures as well as in words. The rates quoted shall be inclusive of, in all cases, costs, taxes etc. It should be in the format given in PART 'B'
- 2.4 Tenders shall be accompanied by an authenticated copy of latest IT Return submitted, Sales Tax registration no. of the Individual/Party/Firm submitting the tender.
- 2.5 Bank details mentioning account number, bank name, city, branch name and branch code should be mentioned in the offer.
- 2.6 Paying authority – AGM (F&A), BPSCL but bill in triplicate duly receipted on the revenue stamp with a copy of TC, GC, Packing list etc. be submitted to Consignee: In-Charge (Stores), Power Plant, Bokaro Power Supply Company (P) Limited for processing of the same.
- 2.7 Tenderers shall quote their firm rates and no negotiations will be held except with the lowest tenderer, if required.
- 2.8 Supplies must be strictly in accordance with material specifications. Suppliers will be responsible for deviation whatsoever.
- 2.9
 - a) The supplier will be held responsible for the stores not being sufficiently and properly packed at his expenses for the transport by rail, road and sea; so as to ensure them being free from loss or injury at their destination. This will apply Ex-Godown office also.
 - b) Each bale or package delivered under our order shall at the expense of the supplier be distinctly marked with description and quantity of contents with the consignee's name and address with gross weight with the name of supplier and with a distinctive number or mark which is also to be shown for the purpose of identification of the suppliers packing account.
 - c) Each bale or package shall contain a packing note quoting the number and date of our order showing its contents in detail.
- 2.10 In accepting the order you are understood to accept to all responsibilities for and infringement in registered design, trademark, patent rights etc.
- 2.11 **Arrangements for insurance wherever is necessary will be made by supplier only & the cost of insurance will be borne by BPSCL at actual.**
- 2.12 Where a claim of Sales Tax is preferred and admitted, the supplier must satisfy that he is a registered dealer under Sales Tax Act and Possesses a Certificate of Registration in the firms name in which the supply is made and shall in proof thereof, while submitting bills for payment, furnish the number date and other particulars of such Certificate.

- 2.13 **Security cum performance Deposit:** The successful tenderer will have to deposit as security, for satisfactory execution of the order, an amount equivalent to **10%** of Purchase order value keeping validity covering delivery period and guarantee period thereafter in any form - Bank Guarantee (as per BPSCL format), Bank Draft/ Bankers Cheque in Favour of Bokaro Power Supply Company (P) Ltd., B.S. City.

The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and the guarantees stipulated in the contract. In default at satisfactory execution of the order the security deposit shall be forfeited to the BPSCL.

Any penalty for which the successful tenderer shall be found liable or any liquidated damages which shall be payable to the BPSCL in terms of the Purchase Order/ Contract, shall also be recoverable by the BPSCL from the Security deposit. If such security deposit will not be adequate for the purpose of liquidating the amount of penalty and/or damages as contemplated, the amount in excess thereof shall be deducted from any sum or sums which may be due or may become due to the successful tenderer from the BPSCL on any account whatsoever.

Notwithstanding what has been stated above if the successful tenderer shall have duly performed all his obligation under and the guarantees stipulated in the purchase order / contract and observe all the terms and conditions thereof and no penalty shall have been recoverable from him and / or the BPSCL shall not have suffered any damages whatsoever, then security deposit shall be refunded, on receipt of a certificate from the consignee that there is no claim against the Successful tenderer under the Purchase Order / Contract.

- i) The Parties should clearly indicate their prices firm in all respects till execution of the order and on door delivery basis by Bank approved road transport to BPSCL Stores.
- ii) In case of asking any variation on any account whether raw materials or sales tax or excise duty or transportation etc. will not be treated as firm price on that account and hence parties should state everything clearly.

- 2.14 **Delivery Required:** Within **six (06)** months after placement of purchase order. However earliest possible delivery date may please be quoted.

Note : Without any specific mention regarding Sales Tax, packing and forwarding charges, they would be taken as included in the quoted prices and no claim for these would be entertained latter.

Maker's name brand, if any and Country of Origin should be quoted, otherwise tender will be rejected.

Special Instruction: Tenders must signify their willingness to submit security deposit. Tender will be opened **20.12.2010 at 03.30 PM.** If it is declared a holiday by BPSCL then in the next working day in the presence of Tenderer's Authorized Representatives, who wish to be present.

3.00 Instruction Sheet

- 3.1 Test & Guarantee certificates for the subject item should be provided by the agency at the time of delivery.
- 3.2 Test certificates should clearly out-line the actual material composition of the “Hydrogen Gas for Cooling of Turbo Generators”, as well as other relevant parameters (please refer the specification given in description of material **Section – IV**).
- 3.3 The Guarantee period should be at least twelve (12) months from the date of commissioning or eighteen (18) months after delivery of the material, whichever is earlier.
- 3.4 For any manufacturing defect discovered during the guarantee period under normal operation, the defective items must be replaced free of costs.
- 3.5 Tenderer must agree with despatch of materials after duly stamped by inspecting authority.
- 3.6 Acceptance of materials is subject to testing / inspection and fitment in our existing systems.
- 3.7 Tenderer must agree with Price Basis as **F.O.R. BPSCL Stores**.
- 3.8 Tenderer must agree with Payment terms of **100% against GRN**. In case of payment to be made through dispatch documents all Bank Charges shall be borne by Supplier.

3.09 Delivery:-

- a) Timely delivery is the essence of the contract.
- b) In the event of supply not being effected within the contractual delivery schedule given in the order, liquidated damages @ ½ % of the value of the materials with taxes and duties, per week of delay or part thereof, subject to a maximum of 05% is recoverable from the supplier without prejudice to the right of BPSCL to procure the balance material at the risk & cost of the supplier.
- c) In the event of failure to supply the goods, or part thereof, within the scheduled delivery period, BPSCL reserves the right to cancel the contract part thereof, and if so desired, to purchase the goods from alternate source at the risk and cost of the defaulting supplier.

4.0 Description of Material

Sl. No.	ITEM DESCRIPTION	QUANTITY
01	<p>A. Cat. No. 00001360200 Hydrogen Gas in returnable cylinder, as per IS: 1090-1983 (Second Edition), in BPSCL Cylinder. Compressed Gas shall be colourless & Odorless, consisting essentially of Hydrogen with minimum purity 99.994%, Manufactured by Electrolysis process of pure water, Pressured of Gas in Cylinder and packing & Transportation shall be in accordance with the Gas cylinder rule, 2004, of Govt. of India, with such modifications as may be ordered from time to time by the chief control of explosives Govt. of India, or other duly constituted authority. The Composition of the Hydrogen Gas should be as given below: Hydrogen Purity: 99.994% minimum Oxygen Content: 1PPM maximum, CO2 Content: 0.5 PPM maximum Moisture: 2 PPM maximum Carbon Monoxide: 0.2 PPM maximum Mercury: Nil, Hydrocarbon: 0.2 PPM maximum No traces of Ammonia & SO2 Dew point of each refilled Hydrogen Cylinder < -40°C (Less than - 40°C at NTP)</p>	20000 M ³
	<p>B. Same Item as described above In supplier's Cylinder</p>	20000 M ³

- Note:**
- 50% of the total quantity shall be supplied in BSL / BPSCL Cylinders & 50% in suppliers Cylinder.
 - In case the cylinders belong to BPSCL require to be repaired, the actual defects list along with the offer to repair with quote price (As per the standard rate chart of the bidder), should be sent to BPSCL for approval. The bidder should repair it and submit the bill only if the said offer is approved by BPSCL & an order for repair is placed on the bidder.
 - Pressure of Gas in cylinders and packing & Transportation will have to be as per the Gas cylinder rule, 2004, Government of India.
 - The bidder should have all the requisite valid licences issued by authorities like chief controller of explosives, Government of India, for manufacturing, storing & filling, etc of compressed Hydrogen Gas. Properly authenticated copies of all these licences should be submitted while bidding.
 - Properly authenticated proof that process of manufacturing Hydrogen Gas is by electrolysis of water, should be submitted along with the bid. No other method of manufacturing of Hydrogen Gas, like By-Product method, etc will be accepted, and the bid will be rejected in case of such an undesirable method of manufacturing. The representative of BPSCL may visit the manufacturing plant of the bidder to ensure the method of manufacturing.
 - The Hydrogen Gas should be supplied as per IS: 1090 – 1983 (Second Edition).
 - As the item is very important of operation of Turbo Generators, the agency is to supply the Hydrogen Gas promptly as & when required. The transport of material will have to be planned &

8. Proper authenticated test certificate as per the required composition is to be provided by the agency alongwith the supply.

Bokaro Power Supply Company (Pvt.) Limited
(A Joint Venture of SAIL & DVC)
PART 'C'

TECHNO-COMMERCIAL BID

NIT No. BPSCL/CEO/P&C/10-11/ PUR-199/NIT-249/7069

Date: 13.11.2010

Sl. No.	ITEM DESCRIPTION	QUANTITY
01	<p>A. Cat. No. 00001360200 Hydrogen Gas in returnable cylinder, as per IS: 1090-1983 (Second Edition), in BPSCL Cylinder. Compressed Gas shall be colourless & Odorless, consisting essentially of Hydrogen with minimum purity 99.994%, Manufactured by Electrolysis process of pure water, Pressured of Gas in Cylinder and packing & Transportation shall be in accordance with the Gas cylinder rule, 2004, of Govt. of India, with such modifications as may be ordered from time to time by the chief control of explosives Govt. of India, or other duly constituted authority. The Composition of the Hydrogen Gas should be as given below: Hydrogen Purity: 99.994% minimum Oxygen Content: 1PPM maximum CO2 Content: 0.5 PPM maximum Moisture: 2 PPM maximum Carbon Monoxide: 0.2 PPM maximum Mercury: Nil Hydrocarbon: 0.2 PPM maximum No traces of Ammonia & SO2 Dew point of each refilled Hydrogen Cylinder < -40°C (Less than - 40°C at NTP)</p>	20000 M ³
	<p>B. Same Item as described above In supplier's Cylinder</p>	20000 M ³

Commercial Terms & Conditions:

Manufacturer/ Make of the item(s):

1. Price Basis:
2. Packing & Forwarding:
3. Excise Duty:
4. Sales Tax/VAT:
5. Freight:
6. Insurance:
7. Delivery Schedule:
8. Payment Terms:
9. Consignee: Stores In-charge, Power Plant, Bokaro Power Supply Co (P) Ltd, B S City.

10. Inspection: Final inspection will be done at our stores after receipt of material. However, stage-wise inspection, if asked for, shall be done at manufacturer's works by **BPSCL/Third Party**.
11. Material Test, Fitment & Guarantee Certificate, must be supplied along with the material.
12. Registered with
 ('01' NSIC/ '02' SSI/ '03' NSIC & SSI/ '04' DGS&D/ '05' None)
 Proof for '01' to '04' attached: YES / NO
13. To be furnished
- (a) Drawing within days of date of the P.O.
- (b) Sample within days of date of the P.O.
14. Testing: At
 ('01' Consignee's Site / '2' Works / '03' Govt. Test House/ '04' Govt. Approved Test House/
 '5' Specify if any other)
15. Guaranteed Period:
- a) months from date of dispatch **OR**
 months from the date of commissioning whichever is earlier.
- b) of running hours.
16. Security Deposit: 10% of value of P.O. in the form of
 ('01' BG '02' Bank Draft/ '03' Bankers Cheque / '04' Retention from Bill)
17. Security Deposit cum performance Guarantee: 10%
 of value of P.O. in the form of
 ('01' BG '02' Bank Draft/ '03' Bankers Cheque / '04' Retention from Bill)
18. Liquidated Damage: 1/2 % per week subject to maximum
 05% of undelivered value.
19. Validity of offer up to: Day Month Year
 (Minimum for a period of **120 days** from the date of opening)

Bokaro Power Supply Company (Pvt.) Limited
(A Joint Venture of SAIL & DVC)
PART 'D'
PRICE BID

NIT No. BPSCL/CEO/P&C/10-11/ PUR-199/NIT-249/7069

Date: 13.11.2010

Price:

Sl No	Item Description	Qty	Rate / Unit	Excise Duty	Sales Tax	Amount after Rebate/ Discount (Rs.)
01	A. Cat. No. 00001360200 Hydrogen Gas in returnable cylinder, as per IS: 1090-1983 (Second Edition), in BPSCL Cylinder. Compressed Gas shall be colourless & Odorless, consisting essentially of Hydrogen with minimum purity 99.994%, Manufactured by Electrolysis process of pure water, Pressured of Gas in Cylinder and packing & Transportation shall be in accordance with the Gas cylinder rule, 2004, of Govt. of India, with such modifications as may be ordered from time to time by the chief control of explosives Govt. of India, or other duly constituted authority. The Composition of the Hydrogen Gas should be as given below: Hydrogen Purity: 99.994% minimum Oxygen Content: 1PPM maximum CO2 Content: 0.5 PPM maximum Moisture: 2 PPM maximum Carbon Monoxide: 0.2 PPM maximum Mercury: Nil Hydrocarbon: 0.2 PPM maximum No traces of Ammonia & SO2 Dew point of each refilled Hydrogen Cylinder < -40°C (Less than - 40°C at NTP)	20000 M ³				
	B. Same Item as described above In supplier's Cylinder	20000 M ³				