



BHARAT HEAVY ELECTRICALS LIMITED
CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093, INDIA

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ENQUIRY

Ref: 841902061

Date 04-12-2019

Enquiry for **Analyzers for H2S and NH3**

Enquiry No:841902061 Enquiry Date : 04-12-2019 Due Date: 19-12-2019 Indicative Delivery Date : 31-12-2019

Sl.No	Item Description	Unit	Qty
1	Supply of H2S Analyser	SET	1
2	Commissioning of the H2S Analyser	L.S.	1
3	Training in the operation and maintenance of the H2S Analyser	L.S.	1
4	Pre-Dispatch Inspection for the H2S Analyzer	L.S.	1
5	Supply of NH3 Analyser	SET	1
6	Commissioning of the NH3 Analyser	L.S.	1
7	Training in the operation and maintenance of the NH3 Analyser	L.S.	1
8	Pre-Dispatch Inspection for the NH3 Analyser	L.S.	1

Please submit your quotation for the above material in sealed cover superscribed with enquiry no, enquiry date and due date subject to our enclosed terms and conditions. The quotations shall reach us on or before the due date by 12 noon. The tenders can also be dropped in the tender box kept at the security gate,BHEL R&D. In case you are not in position to submit the offer,please send reply suitably specifying the reasons.

Sl.No	Description	Document Ref.
01	Enquiry, PQC, General Terms & Conditions, Commercial Terms & Conditions etc.	Volume - 1
02	Technical specifications, Scope of Supply etc.	Volume - 2

Ajay Kumar Muske
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	ENQUIRY & QUALIFYING CRITERIA	Volume - 1 Enquiry No 841902061
Analyzers for H2S and NH3		

1	Tendor inviting officer / Authority, Designation and Address	Additional General Manager(MM) BHEL R & D, Vikas Nagar (Near Balanagar), Hyderabad -500093
2	Item Description - Qty	1) Supply of H2S Analyser - 1 SET 2) Commissioning of the H2S Analyser - 1 L.S. 3) Training in the operation and maintenance of the H2S Analyser - 1 L.S. 4) Pre-Dispatch Inspection for the H2S Analyzer - 1 L.S. 5) Supply of NH3 Analyser - 1 SET 6) Commissioning of the NH3 Analyser - 1 L.S. 7) Training in the operation and maintenance of the NH3 Analyser - 1 L.S. 8) Pre-Dispatch Inspection for the NH3 Analyser - 1 L.S.
3	Enquiry Reference no.	841902061
4	Indicative Delivery Date	31-12-2019
5	Due date, Time and place for submission of tender	19-12-2019 upto 12 noon. Sealed Quotations shall be addressed to Additional General Manager(MM), BHEL R & D Division, Vikas Nagar (Near Balanagar), Hyderabad AP,India Pin - 500 093 Quotations can also be deposited in the Tender box located at Security Gate of BHEL R & D BHEL shall not be responsible for any postal/courier delay.
6	Place, Date and time of Tech.Bid opening	Tender Opening Cell (Sangam) BHEL R & D Office. 19-12-2019, 2 PM
		Please submit your offer in one common sealed cover containing two parts in separate sealed covers as detailed below. 1) First Cover shall contain: - Signed General Terms & Conditions (GTC) - Filled and Signed Commercial Terms & Conditions (CTC) - Filled and Signed Vendor Specifications against BHEL Specifications (Item wise) - Signed commercial bid - Copy of Price-bid with price(s) cells blank (un-priced price bid) as per annexure 2) Second cover shall contain Price Bid Containing Price quotes, applicable taxes, installation and/or commissioning charges shall be spelt out clearly taking into account total charges rather than quoting vaguely such as charges per man-day or charges per engineer per day etc as per annexure. If the price bid was found later to be different from the unpriced pricebid format in any way, the offer will be rejected summarily. The rates shall be quoted both in figures and in words.

7	Mode of Submission of Tender	The offers can also be submitted through e-mail and have to be sent in PDF format (files with PDF extension only). Files having extensions other than PDF like RAR, EXE, JPEG etc. and with external links will not be considered. They have to be sent to e-mail id: 'rnd-eoffers@bhel.in' only. Copies should not be marked to anyone. If the offers are marked to anyone other than to eoffers, their offer will not be considered. The e-mail offers should have two attachments. 1) One attachment shall contain - Signed General Terms & Conditions (GTC) - Filled and Signed Commercial Terms & Conditions (CTC) - Filled and Signed Vendor Specifications against BHEL Specifications (Item wise) - Signed commercial bid - Copy of Price-bid with price(s) cells blank (un-priced price bid), as per annexure 2) Second attachment shall contain Price Bid Containing Price quotes, applicable taxes, installation and/or commissioning charges shall be spelt out clearly taking into account total charges rather than quoting vaguely such as charges per man-day or charges per engineer per day etc as per annexure. The subject of the e-mail should contain Enquiry No, Enquiry Date and Due date.
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	PRE QUALIFYING CRITERIA(PQC)	Volume - 1 Enquiry No 841902061
Analyzers for H2S and NH3		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Presence in India	Vendor must have an established and operational after-sales and service office within India either directly or through an authorized agency for at least past three years from the date of enquiry. A proof of the same to be submitted along with the offer for evaluation. BHEL reserves the right for verification of the certificates provided.	
2	Certification	The analyzer being offered to BHEL should be certified by TUV/USEPA/MCERTS. Non-certified analyzers will not be considered for technically evaluation. A proof of the same to be submitted along with the offer for evaluation. BHEL reserves the right for verification of the certificates provided.	
3			
4			
	Relaxation of Norms for Startups	The condition of Prior Turnover and prior experience is relaxed for all startups whether Micro & Small Enterprises(MSEs) or otherwise subject to meeting of quality and technical specifications in accordance with the relevant provision of GFR,2005 and other DOE-PPD notifications for relaxation norms for startups issued from time to time.	

Signature of the bidder with Seal & Date

	GENERAL TERMS & CONDITIONS (GTC)	Volume - 1 Enquiry No 841902061
Analyzers for H2S and NH3		

SL.No.	Clause	BHEL REQUIREMENT
1	Preference to Make in India	For this procurement, Public Procurements (Preference to make in India), order 2017 dated 15.06.2017, 28.05.2018 & 29.05.2019 and subsequent orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO/ WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable.
2	Preferences to MSEs	The bidder may also be a Micro and Small Enterprises (MSE) vendor registered as per MSE act. As per the public procurement policy notified by the Central government. 25% of the tendered quantity is earmarked for MSE suppliers in this tender. Out of the 25% tendered quantity reserved for MSE suppliers, 6.25% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs. Also 3% shall be earmarked for procurement from MSE owned by women. The definition of MSEs owned by women Entrepreneurs is clarified as under: i. In case of proprietary MSE, Proprietor shall be woman ii. In case of partnership MSE, the women partners shall be holding at least 51% share in the unit. iii. In case of private limited companies, at least 51% shall be held by Women Promoters. (Such enterprise will have to submit relevant document for proof of women ownership during offer submission) In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately. "MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM, II) or valid NSIC certificate or EM II certificate with due validity or Udyog Aadhar Number along with attested copy of a CA certificate (where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. In case any improper / lack of documents is there vendor on their own interest may submit all the relevant documents as stated above, before tender opening. No benefit shall be applicable for this enquiry if any deficiencies in the above required documents are not submitted before tender opening. Documents should be notarized or attested by a Gazetted officer for consideration of MSE certificate. " Such Micro/Small Enterprises registered vendors must state the sub-category to which they belong and submit documentary proof for the same. The sub-categories: (a) Enterprises owned by Scheduled Castes.

		(b) Enterprises owned by Scheduled Tribes. (c) Enterprises owned by other than above two categories The enterprises under (a) & (b) means the proprietor in case of single owned firm and all partners in case of partnership firm and all directors in case of private/public limited must belong to SC/ST category (Such enterprise will have to submit relevant document for proof of SC/ST category during offer submission) (Note: vendor need to go through General note Of tender condition also for any special instruction & deviation from above.) If more than one valid MSE supplier stands with in rage of L1+15% range, 25% of quantity will be shared till quantity split is feasible & rest of 25% will be awarded to lowest quote of valid MSE supplier.
3	Late Tenders	Tenders received after due date/time(12:00hrs) will not be considered
4	Descerepancy in words and figures	(a) If, in the price structure quoted for the required goods/ Services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly. (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and (c). If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above. (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
5	Two Part bid clarifications	In the case of Two-part bid, the vendor should furnish technical and commercial clarifications, if any, within stipulated time mentioned, failing which, it will be construed that the vendor is not interested in the tender and BHEL shall not consider the offer for further evaluation.
6	Price Impacts	In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise their original bid, they have to submit the Price-Impact only. The Original price bid along with Price-Impact bid shall be opened during price bid opening. Unsolicited price impacts will not be considered.
7	Price bid evaluation	All offers in price bid opening or reverse auction shall be evaluated in Indian currency based on unit price, packing & forwarding, taxes/duties, freight charges if any, exchange rate. Loading due to non-acceptance of our standard commercial terms will be evaluated as per the LOADING FACTORS form as enclosed along with the enquiry. The exchange rate declared by State Bank of India under TT Selling rate on the technical bid open date shall be adopted for evaluating foreign currency bids.
8	Packing	The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit.
9	Withdrawal	In case the supplier withdraws their offer before placement of order, BHEL reserves the right not to send next enquiry(ies). In case the supplier withdraws the quotation after its acceptance by BHEL or fails to supply the goods as per the terms and conditions of contract, or at any time repudiated the contract wholly or in part, BHEL shall be at liberty to cancel the Purchase Order and to recover from the supplier the extra cost and other loss, incidentals due to the breach of contract on the part of the supplier through risk purchase.

10	Risk Purchase	In case of default/late delivery,BHEL reserves the right to make alternate arrangement for procurement at suppliers risk and cost.
11	Banned List	The offers of the bidders who are in the banned list and the offers of the bidders who engage the services of the banned firms, shall be rejected.The list of banned firms is available on BHEL website www.bhel.com . Guidelines for suspension of business dealings with suppliers/contractors are available on www.bhel.com under supplier registration page
12	Additional Information	Suppliers are requested to visit our web site regularly for any updates and additional information, "All corrigenda, addenda, amendments, time extensions clarifications, etc. to the tender will be hosted on BHEL website only". The corrigendum will not be published in news paper.
13	Arbitration	Subject to the jurisdiction of Hyderabad/Secunderabad,Andhra Pradesh,India in respect of any suit or other legal proceedings relating this contract.
14	Foreign Vendors	BHEL will deal directly with foreign vendors, where ever required, for procurement of goods.However, if the foreign principal desires to avail of services of an Indian agent,then foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement (as per *). * The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the agent, 3) Territory, 4) Agreement Period
15	Fraud Prevention Policy	The Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.
16	Signing & Stamping	Documents of BHEL's all Terms and conditions submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder

Documents submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder

Read and agreed for all the above general terms and conditions

Signature of the bidder with Seal & Date

	COMMERCIAL TERMS & CONDITIONS (CTC)	Volume - 1 Enquiry No 841902061
Analyzers for H2S and NH3		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Late Delivery Penalty Clause	Failure to supply the goods and/or Failure to carryout the services within the stipulated delivery date will attract a penalty of 0.5% per week or part thereof for the value of the undelivered portion of the purchase order subject to a maximum of 10% of the total order value. The Penalty amount determined based on the delay in supply/services along with applicable GST thereon shall be recovered. In case of non acceptance to this LD Clause, 10% of basic material cost will be loaded on the quoted prices while cost comparison.(Please refer the enclosed 'Loading Factors' sheet).	
2	Reverse Auction	BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com). The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute	

		the contract on thus awarded rates. If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).	
3	Validity of Offer	90 days from date of techno-commercial bid opening.	
4	Agency Agreement	Guidelines regarding dealing with Indian agents of foreign suppliers 1. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of services of an Indian agent, then the foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement. 2. It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of government of India, issued from time to time. 3. The agency agreement should specify the precise relationship between the foreign OEM and services to be rendered by Indian agent / associate, whether general in nature or in relation to the particular contract, must clearly be stated by the foreign supplier / Indian Agent. Any payment, which the Indian agent / associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee shall be brought out in record in the agreement and be made explicit in order to ensure compliance to the laws of the country. 4. Any agency commission to be paid by BHEL to the Indian agent shall be Indian currency. 5. When ever Indian agents are representing on behalf of their principals, the relevant authorization letter and agreement copy to be enclosed along with technical bid to consider the offer.	
5	Nature of Vendor submitting the Offer	OEM / Agent / Representative / Dealer / Distributor / Stockist / Trader / Reseller / Channel Partner/ System Integrator / Any Other (Pl. Specify)	
6	Foreign Suppliers without Indian Agent	To be quoted in Foreign Currency. Purchase Order will be placed on Foreign Supplier.	
		Foreign principal should ensure compliance to regulatory guidelines	

7	Foreign Principal availing services of an Indian Agent	which require mandatory submission of Agency agreement. (as per *) To be quoted in Foreign Currency. Purchase order will be placed on Foreign Supplier. Agency Commission will be paid to Indian Agent in Indian rupees. * The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the Agent, 3) Territory, 4) Agreement Period	
8	Indian Agent desirous of quoting imported Equipment	Any Indian Agent desirous of quoting imported Equipment, they should submit the quote in foreign currency along with copy of agency agreement (as per *). To be quoted in Foreign Currency. Purchase order will be placed on Foreign Supplier. Agency Commission will be paid to Indian Agent in Indian rupees. * The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the agent, 3) Territory, 4) Agreement Period	

Note : All the clauses of the above format should be filled and submitted with the Techno Commercial Bid (Part-1). The filled in BHEL Commercial terms & Conditions format submitted with technical bid, responding to all the clauses duly signed with seal **only shall be considered**. Any other Commercial terms & conditions of bidders entered else where in their offer shall not be considered and are liable for rejection.

Read and understood the above commercial terms and conditions

Signature of the bidder with Seal & Date

	OTHER TERMS & CONDITIONS	Volume - 1 Enquiry No 841902061
Analyzers for H2S and NH3		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Taxes and Duties	Vendor shall inform HSN/SAC code and the breakup of the applicable tariff/taxes (CGST/SGST/IGST/UGST) based on from and to locations with individual components in part 1 bid.	
2	Details Required	PAN Number: GSTIN Registration Status: GSTIN No: GSTIN No. Issuance Date : Provisional/ Final Registration : Name of the Contact Person : Contact Phone / Mobile : Email id for correspondence : Address with PIN code and State:	
3	Special Note	Taxes and duties to be governed by GST acts. Strict adherence to new provisions by the vendors like timely submission of invoices, tax payment, filing of returns- GSTR-I etc. will form base of new regime for release of payment from BHEL. Hence, any financial loss occurred due to non-compliance of the GST provisions would be endured at defaulters end	
4	Force Majeure clause	If at any time during the continuance of the contract the performance in whole or in part by either party of any obligations under the contract is prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) and notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof then neither party shall by reason of such events be entitled to terminate the contract. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of occurrence of such events, then claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser the particulars of the events, if required with supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries.	
		Concessional taxes/duties: We are registered with DSIR vide TUVRD/13/2017 dated 05-Feb-2018 as a research Institution, other than a Hospital,	

5	Concessional Taxes/Duties	for the purpose of availing Customs duty exemption in terms of Government Notification no.51/96 – Customs dated 23-Jul-1996,Notification No. 24/2007 - Customs dated 01-Mar-2007 and Notification No. 43/2017 – Customs dated 30-June-2017; 45/2017-Central tax (rate) & 47/2017-Integrated tax(rate) dated 14-11-2017, No. 9/2018-Central tax (Rate) dated 25-01-2018, State & Union Territory Tax(Rate) and 10/2018-Integrated tax(Rate) dated 25-01-2018 as amended from time to time. Hence all offers falling under the said notifications shall be evaluated at available concessional rates. Please confirm acceptance.	
6	Price Basis	The prices shall be firm for entire period of contract. The suppliers shall indicate packing and forwarding charges,if any, separately. All foreign suppliers shall quote the lowest prices on CIP Hyderabad Airport basis. In case if delivery term is quoted as FOB-Nearest International Gateway Airport, BHEL shall organize shipment through our authorized freight forwarder from gateway Airport. An amount of 2% on basic value towards freight and 1% on basic value towards insurance will be added for cost comparison. b) CFR-Mumbai/Nhava sheva seaport for sea consignments. An amount of Insurance @1% (Supplier's seaport to BHEL R&D Stores, Hyderabad)+ local transport charges (Mumbai/Nhavasheva Seaport to BHEL R&D Stores, Hyderabad) based on weight/dimensions furnished by the supplier in the tender shall be added for landed cost evaluation. All Indian suppliers shall quote the lowest prices on 'free delivery at BHEL Coal R&D Site, C/o IICT pilot plant complex, Road No. 07, Nacharam Industrial Area, Hyderabad or F.O.R destination' basis only.	
7	Procurement under Risk Purchase	This procurement is being carried out on 'Risk Purchase' basis arising out of supply default by M/s Fenix Process Technologies Pvt. Ltd., Pune under in sole proprietorship. The firm bidding shall confirm that they shall not have any ownership/partnership directly or indirectly with M/s Fenix Process Technologies Pvt. Ltd., Pune.	
		BHEL standard payment term : "90% of basic (Supply+PDI) value shall be released within 30 days through EFT/RTGS with bank charges if any to supplier's account from the date of receipt and acceptance of material at BHEL R&D Stores, Hyderabad". "Balance 10% of basic (supply+PDI) value and basic	

8	Payment Terms (Indian Suppliers)	Commissioning & Training charges through EFT/RTGS with bank charges if any to supplier's account within 30 days of completion of Commissioning and training". GST taxes subject to payment proof of GST taxes remittance to Govt. of India. Note: For other payment terms there will be a loading on the offer as mentioned in our 'Loading Factors" sheet which is enclosed to this enquiry.	
9	Payment Terms (Foreign Suppliers)	BHEL Standard payment term: "90% of basic (Supply+PDI) value by wire transfer within 30 days of receipt and acceptance of material at BHEL R&D Stores, Hyderabad. Balance 10% of basic (Supply+PDI and Commissioning & Training charges by wire transfer within 30 days of completion of Commissioning & Training". All bank charges inside India shall be to BHEL account and outside India shall be to supplier's account. Note:For other payment terms there will be a loading on the offer as mentioned in our 'Loading Factors" sheet which is enclosed to this enquiry.	

Signature of the bidder with Seal & Date

		ITEM SPECIFICATIONS		Volume - 2 Enquiry NO 841902061
Analyzers for H2S and NH3				
SL.No.	Item			
1	Supply of H2S Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Scope of supply	a. H2S Analyzer housed in flameproof housing for Group II C b. Sample Conditioning unit compatible to and suitable for the analyzer system housed in a dust and waterproof enclosure. c. ¼ inch SS 316 Sampling tube-50Meter d. Necessary fittings and accessories.	
	2	Make and model	Vendor to specify the make and model of each item which are being supplied	
	3	Measured parameter	H2S (Hydrogen Sulphide) Equipment will be used to measure the concentration of H2S in a process gas stream having Gas matrix composition mentioned in the following specifications.	
	4	Measurement	Range: 0-200 PPB of H2S Accuracy: +/-2 % of measured value Resolution: 1 PPB Response time/channel: 40 seconds or less (including instrument response and sampling time) for 90% variation. Type of analysis: Continuous monitoring Type of sampling: Automatic extraction through in-built pump Warm-up time: Vendor to specify (should be less than 10 minutes) Relays/Alarms: Vendor to specify (Minimum 2 user configurable) Instrument should perform Zero Calibration Automatically at instrument start up with fresh air sample (vendor to confirm this)	

5	Environmental condition	Pressure: Atmospheric pressure, Temperature: 5-50 °C Controlled Environment (AC) will not be provided for the instrument. The vendor has to make necessary provisions required for avoiding water and dust ingress in the instrument.	
6	Gas Matrix and other parameters	Gas Pressure: 1-5 bar Gas Temperature: 150-200 Degree Celsius Gas to be analysed also contains (in Vol%): CO: 25-30%; CO2: 40-50%; H2: 12-16%; CH4: 1-2%; H2O: 5-10%; N2: 2-5%; H2S: 0-0.2 PPM	
7	Controls	Suitable controls and indicators to be mounted on the equipment for monitoring the analysis and its proper functioning.	
8	Output Signal and display	Instrument output should be 4-20 mA (intrinsically safe) along with a display for showing current readings of the concentration of the measured component with units as mentioned in the detection range above.	
9	Sensors and Technology to be used for Measurement	Electrochemical sensor based.	
10	Interference	Measurements should not be affected by any interference caused due to the presence of other gases, dust and moisture in the gas being analysed or from the changes in gas temperature and pressure. Vendor to ensure this.	
11	Sample Conditioning for the Analyzer	A Sample Handling system compatible to the analyser should be supplied along with the analyzer. It should be able to condition the sample gas having, moisture: 5-10%, flow rate: 50-120 kg/hr (in the process line) and trace amounts of dust in it, to the inlet requirement of the analyzer.	
12	Process Connection	Taping for sample will be taken from a pipe/duct. Vendor to provide necessary	

		fittings to suit a ¼ inch NPT male port for drawing the sample to instrument.	
13	Construction	Instrument should be rugged for industrial use. Weight: vendor to specify Dimensions: Vendor to specify Enclosure: IP65 or better	
14	Installation and consumable accessories	The vendor should supply all items required for installation and other required accessories such as: Tubing and connectors, filters, control valves, etc. required for trouble free operation of the system.	
15	Certificates	1. Manufacturer's Test Certificate should be provided for the analyzer and for the sample conditioning unit at the time of Pre-dispatch inspection. 2. Calibration Certificate to be provided at the time of Pre-dispatch inspection (PDI).	
16	Power supply & Air	Power Supply available to the instrument will be: 220V, Single phase or 415V, 3 Phase, 50 HZ, AC. Instrument air if required will be provided by BHEL. The supply pressure will be 5 bar. Pressure reduction valve, if any, will be vendor scope.	
17	Documentation	1. Operating, technical and maintenance manuals to be supplied in English both in hardcopy (2 copies) and softcopy at the time of Pre-dispatch Inspection. 2. Calibration procedure to be clearly covered in the operation manual also mentioning the calibration frequency for the instrument under normal operation. 3. Vendor should provide the details of the working principles and ratings/ specifications of the components used in the system at the time of Pre-dispatch inspection.	
18	Warranty	All supplied items to be provided with warranty for 18 months from the date of dispatch or 12 months from	

			the date of receipt and acceptance at BHEL stores whichever is earlier.	
	19	Delivery Address and Delivery Period	The material is required to be delivered to: Stores In-charge, BHEL R&D C/o IICT Pilot Plant Complex Road No.-7, Nacharam Industrial Area Hyderabad, PIN- 500076 Phone: 040-2717-2027; 2388-2380 Instrument delivery period from the date of Purchase Order (PO) is: _____ weeks (Vendor to specify this).	
2	Commissioning of the H2S Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Commissioning at BHEL Site	a. Vendor should commission the system at BHEL Hyderabad. b. Vendor should indicate the requirements for commissioning, if any, to BHEL at the time of PDI (7 days before dispatch, whichever is earlier) to allow for the provisions to be ready. c. Vendor will have to make their own arrangements for travel and stay during this time.	
3	Training in the operation and maintenance of the H2S Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Training	During the commissioning visit, vendor has to train BHEL personnel in regular operation, Calibration and maintenance of the equipment.	
4	Pre-Dispatch Inspection for the H2S Analyzer			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
			Vendor should give 7 days' notice in advance for PDI visit to BHEL in case of Indian vendors. For PDI to be done outside India, vendor should give minimum 30 days' notice in advance for PDI visit to BHEL. Material will be considered accepted on successful completion PDI by BHEL at vendor works. Scope of PDI will include: 1. Inspection of the proper functioning of the items being	

	1	Pre-dispatch Inspection (PDI)	supplied to BHEL as per tender requirements/specifications to the satisfaction of BHEL representative. 2. Supply of gas sample to be measured during PDI, in the range as mentioned above in BHEL specifications with relevant certificates of its purity and traceability. 3. Calibration of the analyzer in the presence of BHEL representative along with submission of the certificate of purity of calibration gas mixture composition. 4. Submission of manuals and certificates.	
5	Supply of NH3 Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Scope of supply	a. NH3 Analyzer housed in flameproof housing for Group II C b. Sample Conditioning unit compatible to and suitable for the analyzer system housed in a dust and waterproof enclosure. c. ¼ inch SS 316 Sampling tube-50Meter d. Necessary fittings and accessories.	
	2	Make and model	Vendor to specify the make and model of each item which are being supplied	
	3	Measured parameter	NH3 (Ammonia) Equipment will be used to measure the concentration of NH3 in a process gas stream having Gas matrix composition mentioned in the following specifications.	
	4	Measurement	Range: 0-100 PPM of NH3 Accuracy: +/-2 % of measured value Resolution: 1 PPM Response time/channel: 40 seconds or less (including instrument response and sampling time) for 90% variation. Type of analysis: Continuous monitoring Type of sampling: Automatic extraction through in-built pump Warm-up time: Vendor to specify (should be less than 10 minutes)	

		Relays/Alarms: Vendor to specify (Minimum 2 user configurable) Instrument should perform Zero Calibration Automatically at instrument start up with fresh air sample (vendor to confirm this)	
5	Environmental condition	Pressure: Atmospheric pressure, Temperature: 5-50 °C Controlled Environment (AC) will not be provided for the instrument. The vendor has to make necessary provisions required for avoiding water and dust ingress in the instrument.	
6	Gas Matrix and other parameters	Gas Pressure: 1-2 bar Gas Temperature: 40-60 Degree Celsius Gas to be analyzed also contains (in Vol%): CO: 25-30%; CO2: 40-50%; H2: 12-16%; H2O: 14-16%; CH4: 1-2%; N2: 2-5%; H2S: 0.2-0.4%; COS: 0.02-0.03%; NH3: 0-100 ppm	
7	Controls	Suitable controls and indicators to be mounted on the equipment for monitoring the analysis and its proper functioning.	
8	Output Signal and display	Instrument output should be 4-20 mA (intrinsically safe) along with a display for showing current readings of the concentration of the measured component with units as mentioned in the detection range above.	
9	Sensors and Technology to be used for Measurement	Electrochemical sensor based.	
10	Interference	Measurements should not be affected by any interference caused due to the presence of other gases, dust and moisture in the gas being analyzed or from the changes in gas temperature and pressure. Vendor to ensure this.	
		A Sample Handling system compatible to the analyser should be supplied along with the analyzer. It should be able	

11	Sample Conditioning for the Analyzer	to condition the sample gas having, moisture: 10-20%, flow rate: 50-120 kg/hr (in the process line) and trace amounts of dust in it, to the inlet requirement of the analyzer.	
12	Process Connection	Taping for sample will be taken from a pipe/duct. Vendor to provide necessary fittings to suit a ¼ inch NPT male port for drawing the sample to instrument.	
13	Construction	Instrument should be rugged for industrial use. Weight: vendor to specify Dimensions: Vendor to specify Enclosure: IP65 or better	
14	Installation and consumable accessories	The vendor should supply all items required for installation and other required accessories such as: Tubing and connectors, filters, control valves, etc. required for trouble free operation of the system.	
15	Certificates	1. Manufacturer's Test Certificate should be provided for the analyzer and for the sample conditioning unit at the time of Pre-dispatch inspection. 2. Calibration Certificate to be provided at the time of Pre-dispatch inspection (PDI).	
16	Power supply & Air	Power Supply available to the instrument will be: 220V, Single phase or 415V, 3 Phase, 50 HZ, AC. Instrument air if required will be provided by BHEL. The supply pressure will be 5 bar. Pressure reduction valve, if any, will be vendor scope.	
17	Documentation	1. Operating, technical and maintenance manuals to be supplied in English both in hardcopy (2 copies) and softcopy at the time of Pre-dispatch Inspection. 2. Calibration procedure to be clearly covered in the operation manual also mentioning the calibration frequency for the instrument under normal operation. 3. Vendor should provide the details of the working	

			principles and ratings/ specifications of the components used in the system at the time of Pre- dispatch inspection.	
	18	Warranty	All supplied items to be provided with warranty for 18 months from the date of dispatch or 12 months from the date of receipt and acceptance at BHEL stores whichever is earlier.	
	19	Delivery Address and Delivery Period	The material is required to be delivered to: Stores In-charge, BHEL R&D C/o IICT Pilot Plant Complex Road No.-7, Nacharam Industrial Area Hyderabad, PIN- 500076 Phone: 040-2717-2027; 2388- 2380 Instrument delivery period from the date of Purchase Order (PO) is: _____ weeks (Vendor to specify this).	
6	Commissioning of the NH3 Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Commissioning at BHEL Site	a. Vendor should commission the system at BHEL Hyderabad. b. Vendor should indicate the requirements for commissioning, if any, to BHEL at the time of PDI (7 days before dispatch, whichever is earlier) to allow for the provisions to be ready. c. Vendor will have to make their own arrangements for travel and stay during this time.	
7	Training in the operation and maintenance of the NH3 Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Training	During the commissioning visit, vendor has to train BHEL personnel in regular operation, Calibration and maintenance of the equipment.	
8	Pre-Dispatch Inspection for the NH3 Analyser			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
			Vendor should give 7 days' notice in advance for PDI visit to BHEL in case of Indian vendors. For PDI to be done outside India, vendor	

	1	Pre-dispatch Inspection (PDI)	should give minimum 30 days' notice in advance for PDI visit to BHEL. Material will be considered accepted on successful completion PDI by BHEL at vendor works. Scope of PDI will include: 1. Inspection of the proper functioning of the items being supplied to BHEL as per tender requirements/specifications to the satisfaction of BHEL representative. 2. Supply of gas sample to be measured during PDI, in the range as mentioned above in BHEL specifications with relevant certificates of its purity and traceability. 3. Calibration of the analyzer in the presence of BHEL representative along with submission of the certificate of purity of calibration gas mixture composition. 4. Submission of manuals and certificates.	
G	General Specifications			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Un-priced and Price bid formats	Un-priced and Price bids should be submitted in the format given with the enquiry.	
	2	Delivery Period of services	For H2S Analyser: Time required (delivery period) for completion of services (Commissioning and training), at BHEL Site after material delivery, from the date of intimation from BHEL is _____ Days (Vendor to specify this duration.) For NH3 Analyser: Time required (delivery period) for completion of services (Commissioning and training), at BHEL Site after material delivery, from the date of intimation from BHEL is _____ Days (Vendor to specify this duration.)	
	3	Evaluation of Bids	Items being procured under this enquiry will be evaluated on item wise L1 basis and the items will be grouped together for evaluation as given below: Item 1: (Sl. No. 1 of the enquiry + Sl. No. 2 of the enquiry + Sl. No. 3 of the enquiry + Sl. No. 4 of the enquiry) Item 2: (Sl. No. 5 of the enquiry + Sl. No. 6 of the enquiry + Sl. No. 7 of the enquiry + Sl. No. 8 of the enquiry)	

* Vendors are advised to write specifications in detail and not to write like 'Complied/ Yes / No ' etc. in specifications.

Signature of the bidder with Seal & Date

LOADING FACTORS



NOTE : IN CASE OF DEVIATION TO BHEL TENDER SPECIFIED TERMS, LOADING FACTOR INDICATED IN FOLLOWING TABLE WILL BE APPLIED TO QUOTED PRICE WHILE EVALUATING THE LOWEST QUOTE

A. FOR INDIGENOUS PURCHASES					
SL.NO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
A.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R& D	SAME	NIL
				PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE TOTAL PO VALUE FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ ((SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT FOR ONE MONTH
A.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AND BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C.	SAME	NIL
				100% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF SUPPLIES AND E&C	NIL
				90% PAYMENT AGAINST PROFORMA INVOICE/ DESPATCH DOCUMENT AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C.	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON 90% OF THE VALUE OF PO FOR ONE MONTH
				90% PAYMENT AGAINST PROFORMA / DESPATCH DOCUMENT AND BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON TOTAL VALUE OF THE PO FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND (90 -X) % PAYMENT ON RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%)FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ ((SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE (90-X)% AMOUNT FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE (90 - X) % PAYMENT AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ ((SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%)FOR THE DELIVERY PERIOD (ROUNDED OFF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH

B. FOR FOREIGN PURCHASES (IMPORTED)					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT BY WIRE TRANSFER WITHIN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	SAME	NIL
				SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				LC PAYMENT AGAINST DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY (ROUNDED OFF TO NEAREST MONTH) + 1 MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
B.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT BY WIRE TRANSFER WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	SAME	NIL
				SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				90 PAYMENT BY WIRE TRANSFER /LC AGAINST DESPATCH DOCUMENTS BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% PAYMENT BY WIRE TRANSFER / LC AGAINST DESPATCH DOCUMENTS. BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% OF BASIC VALUE AS ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE (90-X)% FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH
C. PENALTY FOR DELAYED DELIVERY (COMMON FOR INDIGENOUS AND IMPORTS)					
SLNO	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS	
C	LD CLAUSE	IN THE EVENT OF DELAY IN AGREED CONTRACTUAL DELIVERY, PENALTY OF 0.5% (HALF PERCENT) PER WEEK BUT LIMITED TO A MAX OF 10% OF TOTAL ORDER VALUE WILL BE APPLICABLE	AGREED	NIL	
			IF NOT AGREED	LOADING @ 10% OF THE BASIC MATERIAL COST	
			IF AGREED FOR X%	LOADING @ (10-X)% OF THE BASIC MATERIAL COST	
D. GUARANTEE/WARRANTY PERIOD (COMMON FOR INDIGENOUS AND IMPORTS)					
SLNO	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS	
D	GUARANTEE/WARRANTY PERIOD	STIPULATED OR REQUIRED GUARANTEE/ WARRANTY PERIOD(X)	AGREED	NIL	
		MINIMUM ACCEPTABLE GUARANTEE / WARRANTY PERIOD(Y)	NOT AGREED FOR STIPULATED BUT AGREED FOR MINIMUM GUARANTEE/WARRANTY(Y)	LOADING @ 10 % OF THE ORDER VALUE PER ANNUM FOR THE REDUCED GUARANTEE PERIOD (X- Y)	

Terms & Conditions of Reverse Auction



Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit online sealed bid in the Reverse Auction. Non-submission of online sealed bid by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g. EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction?, which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

AUTHORISATION LETTER FOR E-PAYMENT/ NEFT / RTGS
(PLEASE FILL UP THE FORM COMPLETELY IN CAPITAL LETTERS ON YOUR COMPANY LETTERHEAD ONLY)

Vendor Code (to be filled by BHEL)	
------------------------------------	--

Type of Request (Tick one)	NEW	CHANGE
1 Company Name		
2 Address		
3 City with PIN Code		
4 State		
5 PAN Number		
6 TIN/ VAT No.		
7 CST No.		
8 Service Tax No.		
9 Name of Contact Person		
10 Mobile number		
11 Ph. no. with STD Code		
12 Fax No. with STD Code		
13 Email ID		
14 Website (URL)		

BANK DETAILS FOR EFT / RTGS

1 Bank Name	
2 Branch	
3 Branch Code	
4 Branch Address	
5 Branch Phone No	
6 Account No.	
7 Account Type: SB/ Current/ other (Specify)	
8 MICR Code	
9 IFSC Code	

I, as an authorized representative / owner of the above named company, hereby state as under:

1. Enclosed here with a cancelled cheque in support of our company's bank details.
2. Authorize BHEL R&D Hyderabad, to electronically make payments to the designated bank account with bank charges, if any, to our account.
3. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
4. I hereby certify that the particulars given above are true, complete and correct.
5. This authority remains in full force until BHEL receives and acknowledge written notification requesting change or cancellation.

Date :
Company
Seal

Authorised Signatory
Designation :



RD:MPX:F-13

Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

VENDOR REGISTRATION FORM

(Indigenous supplier)

[FORM TO BE SUBMITTED* BY THE BIDDER ALONG WITH TECHNICAL-BID]

Before filling, please refer to instructions on page-4

1.0 VENDOR PROFILE:

1.1 Name and address of the vendor:

Phone Nos.:Fax No.:Email: 1.

2.

1.2 Local representative name & address in Hyderabad/Secundrabad :

Phone Nos.:Fax No.:Email:Contact Person:Mobile No:

2.0 TYPE OF ORGANISATION:

PROPRIETORSHIP	Company:	Sister Concern (mention vendor registration number of main organization)	
Partnership	CORPORATION	Small Scale Industry	ANY OTHER(Please specify)

In case of SSI unit, copy of registration to be enclosed. It is requested that MSME registration certificate to be enclosed and tick the following:

Type of Major Activity: Manufacturing / Service

Category of Enterprise: Micro / Small / Medium

Social Category : GENERAL / SC / ST / OBC

Udyog Adhaar Number (UAN):_____

3.0 ANNUAL TURN OVER:

#	Year	Turn-Over, Rs.
1	Current Year(budgeted)	
2	Previous year (200 - 0)	
3	Prior Year (200 - 0)	

4.0 NAME AND ADDRESS OF THE BANKER:

4.1 Bank Name

4.2 Branch name

4.3 Account number

4.4 Account Type

4.5 MICR Code:

4.6 IFSC Code(RTGS/NEFT):

4.7 Bank Phone number(s),

Blank cheque, duly cancelled, to be enclosed.

Please note that all payments shall be made through Electronic clearance services to your above account against the orders executed, if any.

5.0 REGISTRATION PARTICULARS(relevant copies to be enclosed)

5.1 IT Permanent Account No.(PAN):

5.2 State Sales Tax/VAT Registration No:

5.3 Central Sales Tax Registration No:

5.4 ED Registration No:

5.5 Service Tax Registration No:

5.6 PF Account No:

5.7 Labour Licence No:

5.8 ESI Account No:

6.0 CONTACT PERSON: S/Sri:

Designation:

Phone / Mobile No:

7.0 TOTAL NUMBER OF EMPLOYEES:

Graduates (Engr/Scientists/Mgmt/Fin.)	Consultants	Workers		
		Sup./Skilled	Semiskilled	Unskilled

8.0 LIST OF PRODUCTS/ SERVICES OFFERED:

#	Products/ Services	Capacity
1		
2		
3		
4		
5		

9.0 REFERENCE LIST :

(Only recognized public and private sector companies, attach if printed copy available)

#	Customer	Volume / Year
1		
2		
3		
4		

5		
---	--	--

10.0 INFRASTRUCTURE / FACILITIES:

#	Facility (with specifications)	Age/ Year procured
1		
2		
3		
4		
5		

11.0 REGISTRATION WITH OTHER BHEL UNIT/UNITS:

#	Unit	Registration No	Year
1			
2			
3			
4			

12.0 ANY OTHER INFORMATION :**DECLARATION:**

The information furnished above is true and authentic.

(CEO / PROPRIETOR)

SEAL:

DATE:

Note:

1. Registered bidders, having BHEL (R&D) registration no. or have submitted this format for registration, need not furnish this information again.
2. The competent authority reserves the right to accept or reject the registration.
3. Vendors approved for registration will be informed by mail / email, as convenient. A separate communication will be sent in case of non-registration also, citing reasons thereof.
4. BHEL reserves the right to take penal action as deemed fit if any of the information provided by the vendor (s) is found to be incorrect.
5. AGM, Head (MM) may be contacted for clarification/additional information on registration.

Instructions

1. Fill all items. Please mention "N.A." for items/ clauses not applicable.
2. Use A4 sheets for this document and the enclosures. Use of additional sheets is permitted if space provided is not adequate.
3. Attach copies of latest documents in respect of items 5.0 (Registration no.s)
4. Photographs of registered office and the chief executive/proprietor shall be furnished.



RD:MPX:F-14

Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

SUPPLIER REGISTRATION FORM

(FOREIGN SUPPLIER)

ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR.WHEREVER IT IS NOT APPLICABLE PLEASE WRITE "NOT APPLICABLE".INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED.

1.0 GENERAL INFORMATION:

1.1 NAME OF COMPANY

1.2 DETAILS OF HEAD OFFICE:

ADDRESS :
TELEPHONE :
FAX :
EMAIL :
WEB SITE :

1.3 DETAILS OF FACTORY/WORKS:

ADDRESS :
TELEPHONE :
FAX :
EMAIL :
WEB SITE :

1.4 DETAILS OF MARKETING AGENT

ADDRESS :
TELEPHONE :
FAX :
EMAIL :
WEB SITE :

1.5 CHIEF EXECUTIVE

1.6 CONTACT PERSON(S) FOR PRODUCT OFFERED

NAME(S) :
OFFICIAL CPACITY :
ADDRESS :
TELEPHONE :
FAX :
EMAIL :

1.7 YEAR OF ESTABLISHMENT

1.8 PRODUCTION CAPACITY PER ANNUM**1.9 PARTICULARS OF PRODUCT INCLUDING
SPECIFICATION AND RANGE OFFERED
FOR REGISTRTION**
(Attach brouchers and catalogues)**1.10 NAME(S) OF BANKERS****1.11 BANKER'S CERTIFICATE****1.12 PORT OF LOADING****1.13 NEAREST AIRPORT****1.14 NAME OF THE INDIAN AGENT, IF ANY
WITH AUTHORIZATION LETTER****2.0 FINANCIAL INFORMATION:****2.1 TOTAL CAPACITY****2.2 ANNUAL TURN OVER FOR LAST 3 YEARS****2.3 WHEHER CREDIT LICENSE ACCEPTABLE YES/NO****3.0 QUALITY MANAGEMENT SYSTEMS**
ENCLOSED FORMAT PART-B**3.1 EXPERIENCE LIST FOR SAME/ SIMILAR ITEMS
TO BE ENCLOSED****4.0 FUTURE EXPANSION PLANS:**

(Give details)

5.0 LIST OF ENCLOSURES:

(Including brouchers, catalogues, technical literature etc)

6.0 ANY OTHER INFORMATION:

SIGNATURE OF SUPPLIER (Authorized signatory)

NAME :

DESIGNATION :

DATE :

OFFICIAL SEAL

 Note:

1. BHEL Reserves the right to take penal action as deemed fit if any of the information provided by the vendor is found to be incorrect.
2. Please attach separate sheets, if space found is inadequate



Bharat Heavy Electricals Limited

Corp. R&D DIVISION

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GUIDE LINES REGARDING DEALINGS WITH INDIAN AGENTS OF FOREIGN SUPPLIERS

- i. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of the services of an Indian agent, then the foreign principal should ensure compliance to regulatory guidelines - which require mandatory submission of an Agency Agreement.
- ii. It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.
- iii. The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/ associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/ Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.
- iv. Any agency commission to be paid by BHEL to the Indian agent shall be in Indian currency only.
- v. Whenever Indian agents are representing on behalf of their principals the relevant authorisation letter and agreement copy to be enclosed along with Technical bid to consider the offer.

