



BHARAT HEAVY ELECTRICALS LIMITED

HEAVY POWER EQUIPMENT PLANT,
RAMACHANDRAPURAM,

HYDERABAD -502032

CONTACT PERSON'S NAME/DESIGN./PHONE No: K.V.Seshu Kumar,
DGM/Purchase-CG, Ph: 23182169.

E-MAIL (FROM PURCHASE DEPT.) : kvsk @bhelhyd.co.in.

Date : _____

Due Date : _____

Supplier Qtn. No.: _____

Date : _____

NOTE:-

1. The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications / requirements shall be treated as non-compliance.
2. The offer and all documents enclosed with offer should be in English language only.

ADDRESS OF THE SUPPLIER :

CONTACT PERSONS:

TELEPHONE NOS.:

CELL PHONE Nos:

FAX NOS.:

E-MAIL ADDRESS FOR COMMUNICATION :

Supply, Erection and Commissioning of Gas Leak Detector System.

PRE-QUALIFICATION FOR SUPPLIERS

| SL. NO. | DESCRIPTION FOR BHEL REQUIREMENT | OFFERED | DEVIATIONS | REMARKS |
|----------------|---|----------------|-------------------|----------------|
| 1 | The suppliers must have supplied Gas Leakage Detection equipment to any of the BHEL Units preferably. | | | |
| 2 | In case the above requirements is not fulfilled they must have at least supplied to State Government or Central Government Establishments | | | |
| 3 | Min one certificate from the users should be enclosed mentioning the satisfactory operation | | | |

SPECIFICATION FOR GAS DETECTOR SYSTEM FOR ACETYLENE AND BHARAT CUTTING GASES

| | | | | |
|---|--|--|--|--|
| 1 | The gas detectors shall be in flame proof housing and shall conform to IS-2148. | | | |
| 2 | The sensing method of the detectors shall be "CATALYTIC COM BUSTIBLE" | | | |
| 3 | The detectors shall be mountable on floor or wall | | | |
| 4 | The detectors shall be able to detect leakage at 10% of the lower explosion limit (LEL) | | | |
| 5 | The detectors operating voltage shall not be more than 2 volts | | | |
| 6 | The detectors shall be capable of detecting gas leakages for Acetylene and Bharat cutting gas | | | |
| 7 | The detectors signal strength should be such that an alarm bell is given at 100 meters distance from the leakage detection area. | | | |

| SL. NO. | DESCRIPTION FOR BHEL REQUIREMENT | OFFERED | DEVIATIONS | REMARKS |
|---|--|---------|------------|---------|
| 8 | Gas cylinders are stored in four rooms of size 100 x10mtrs as follows. Room 1: Acetylene - 240 kgs Room 2,3 and 4: Bharat Cutting Gas - 875 kgs The erection and Commissioning of the Gas leakage detection system shall be in the scope of supplier. The supplier shall quote accordingly. | | | |
| 9 | Vendor shall submit PESO approval for the subject equipments. | | | |
| | Note:- 1.All the above four rooms are by the side of each other in same RCC building. 2.The Controllers box shall be located on the wall of a building shade at a distance of 150 mtrs. 3.Vendor may visit the site before quoting. | | | |
| Bill of Materials/Price bid format | | | | |
| 1 | Acetylene detector units-2nos in room-1 | | | |
| 2 | Remote Acetylene control monitor - 1 No.Wall mounted | | | |
| 3 | LPG Detector Units - 6nos in 3 rooms two nos each room. | | | |
| 4 | Remote LPG Control Monitor - 1 no.Wall mounted. | | | |
| 5 | Cables etc.,:-3 core 1.5 sq.mm copper armoured cable etc, for 200 mtrs. | | | |
| 5A | Apprx distance between cylinders storage rooms and control unit location(nearby RCC building-200 mtrs. apart. Civil works are in BHEL scope. No cable trays required. Laying of cables on the surface is included in vendor's scope. | | | |

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|---------|---|---------|------------|---------|
| 6 | All Accessories like hooter cum flasher unit, calibration kit, UPS if required,battery,mounting stand with waterproof canopy,splash gaurds for sensors etc. | | | |
| 6A | Battery,horn,guards etc., | | | |
| 7 | Installation & Commissioning of entire system and training | | | |
| 7A | Any extra item required for the total system functioning is included in vendor's scope and cost. | | | |
| | Sub Total amount in Rupees | | | |
| | Applicable Taxes and other expenses in detail. | | | |
| | Final Amount in Rupees. | | | |

General Conditions :

1. The Vendor shall quote for all the items. The E&C is in the scope of the supplier.
2. The vendor shall indicate all the applicable Taxes like E.D.,Cess on ED, CST, VAT, Service Tax etc.. The charges for Packing & Forwarding, Insurance, Fright charges shall be clearly indicated in the price bid. Also vendor shall indicate the place of dispatch of the goods.
3. BHEL will not pay any Octroi, Entry tax, Exit Tax etc and same shall be borne by the supplier.
4. The supplier shall submit the **un-priced bid** along with Technical bid for reference.