

Bid Document

| Bid Details | |
|--|--|
| Bid End Date/Time | 25-07-2020 23:00:00 |
| Bid Opening Date/Time | 25-07-2020 23:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 30 (Days) |
| Ministry/State Name | Ministry Of Defence |
| Department Name | Department Of Defence |
| Organisation Name | Indian Army |
| Office Name | ***** |
| Total Quantity | 1 |
| Item Category | plasma air cutting machine |
| Experience Criteria | 1 Year (s) |
| MSE Exemption for Years of Experience and Turnover | No |
| Startup Exemption for Years of Experience and Turnover | No |
| Document required from seller | Experience Criteria,Past Performance,OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Past Performance | 50 % |
| Bid to RA enabled | No |
| Inspection Required | No |

EMD Detail

| | |
|----------|----|
| Required | No |
|----------|----|

ePBG Detail

| | |
|----------|----|
| Required | No |
|----------|----|

Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar

Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Plasma Air Cutting Machine (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|------------------------|---|--|--|
| Performance Parameters | Power Sources | IGBT Based | IGBT Based |
| | Type of metal which can be cut | All (MS, SS, Brass, Copper, Aluminium) | All (MS, SS, Brass, Copper, Aluminium) |
| | Material Removing rate (Kg/Hr) | 5 | 5 |
| | Current Range (in Amp) | 10-100 | 10-100 |
| | Max open circuit Voltage in (Volt) | 280-320 | * |
| | Current Rating of Power Source at 100% Duty cycle in ampere | 70 | 70.0 |
| | Current Rating of Power Source at 60% Duty cycle in ampere | 100 | 100.0 |
| | Current Rating of Cutting Torch at 100% Duty cycle in ampere | 70 | 70.0 |
| | Current Rating of Cutting Torch at 60% duty cycle in ampere | 100 | 100.0 |
| | Efficiency of Machine (%) | 85 | 85 |
| | Insulation Class | H | * |
| | Type of Air Compressor | Reciprocating Type | Reciprocating Type |
| | Make of Air Compressor | - | * |
| | Type of Gas Supply to Power Source | - | * |
| | Motor Power for Air Compressor (Single Phase) in HP | 2 | * |
| | Air Flow Rate ,Maximum (in kg/cm2) | - | * |
| | Type of Cooling | Forced Air | * |
| | Type of Torch | Hand Held Based | * |
| | Maximum Clean Cut Thickness (in mm) | 25 | 25 |
| | Output Current Range , DC Amp | 80-100 | 80-100 |
| | Rated input Range kVA | 15-20 | 15-20 |

| | | | |
|------------------------|---|--------------------------|------|
| | (KVA) | | |
| | Cutting speed in mm/minute | 50 | 50 |
| | Input Supply (V, Phase, & Hz) | "415V+/-10 ,3Ph,50/60Hz" | * |
| | Tank Capacity in Litres | 150 | * |
| | Pressure Kg/cm2 Bar (Must be in between 5-10 bar) | 5.8 | * |
| | Protection Class IP , Min | 23 | * |
| | The system components provide the electrical energy, ionization capability and process control to produce high quality cuts | Yes | * |
| | The plasma arc cutting system complete with a power supply, an arc starting circuit and a torch | Yes | * |
| | IGBT based plasma cutter having power factor more than 0.9 and high efficiency , light weight and portable to be used | Yes | * |
| | In Transformer based cutting machine,the transformer to be a heavy duty, sturdy, Copper- double wounded conventional type. | NA for IGBT | * |
| | The transformer based cutting machine to be supplied with trolley | NA for IGBT | * |
| | Input copper cable for connecting power source to main supply (01 No.) | - | * |
| | Length of Torch Cable (in mm) | 15 | 15.0 |
| | Warranty (Years) | 1 | 1 |
| Dimensional Parameters | Dimensions of the machine in (mm x mm x mm) | - | * |
| | Weight of the machine (kg) | 28 | * |
| Additional Accessories | Air hose with accessories -(01 No) to be supplied | yes | * |
| | Work connecting cable with earth clamp-01 No to be supplied | yes | * |
| | Air filter cum regulator 01 no to be supplied | Yes | * |
| | Consumable Spares: a) Electrodes & Tip = 25 set each to be supplied | Yes | * |
| | Consumable Spares: b).Outer Nozzle = 25 Nos. | Yes | * |
| | Machine shall comply with all electrical safety regulations for machine/operators | YES | * |

| | | | |
|---------|--|-----|-----|
| | Installation and Demonstartion | YES | * |
| | 1 set of Tool Box for day to day maintenance work for plasma cutting machine and air compressor to be supplied | Yes | * |
| | Black Glass Goggles Confirming to 4 DIN specially used for Plasma cutting machine (2 in nos) to be supplied | Yes | * |
| | Fire Proof Dress to be supplied | Yes | Yes |
| | Hand Gloves to be supplied | Yes | Yes |
| | CNC Interface to be supplied | No | No |
| | Storage Case for Torch and Cables to be supplied | Yes | * |
| | Operating and Instruction Manuals | Yes | * |
| | On/Off Switch on Torch | Yes | * |
| Reports | Availability of Type Test Report covering complete test parameters , from any ILAC/NABL accredited/Central Gov LAB | Yes | * |
| | Test certificate No | - | * |
| | Test Report Date | - | * |
| | Name and address of the Lab where test Conducted. | - | * |
| | Copies of certificates to be provided to buyer on demand at the time of supplies | Yes | * |

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|------------|----------|---------------|
| 1 | ***** | *****HISAR | 1 | 15 |

Bid Specific Additional Terms and Conditions

- 1.Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
- 2.Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone

No. for Service Support.

3. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---