

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 19:00:00
Bid Opening Date/Time	23-07-2020 19:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (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	3 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 *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
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### 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.

## Plasma Air Cutting Machine ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Performance Parameters	<b>Power Sources</b>	IGBT Based	IGBT Based
	<b>Type of metal which can be cut</b>	All (MS, SS, Brass, Copper, Aluminium)	All (MS, SS, Brass, Copper, Aluminium)
	<b>Material Removing rate (Kg/Hr)</b>	25	25
	<b>Current Range (in Amp)</b>	10-100	10-100
	Max open circuit Voltage in (Volt)	280-320	*
	<b>Current Rating of Power Source at 100% Duty cycle in ampere</b>	60	60.0
	<b>Current Rating of Power Source at 60% Duty cycle in ampere</b>	100	100.0
	<b>Current Rating of Cutting Torch at 100% Duty cycle in ampere</b>	60	60.0
	<b>Current Rating of Cutting Torch at 60% duty cycle in ampere</b>	100	100.0
	<b>Efficiency of Machine (%)</b>	85	85
	Insulation Class	H	*
	<b>Type of Air Compressor</b>	Reciprocating Type	Reciprocating Type
	Make of Air Compressor	-	*
	Type of Gas Supply to Power Source	-	*

Motor Power for Air Compressor (Single Phase ) in HP	3	*
Air Flow Rate ,Maximum (in kg/cm2)	-	*
Type of Cooling	Forced Air	*
Type of Torch	Hand Held Based	*
<b>Maximum Clean Cut Thickness (in mm)</b>	25	25
<b>Output Current Range , DC Amp</b>	80-100	80-100
<b>Rated input Range kVA (KVA)</b>	15-20	15-20
<b>Cutting speed in mm/minute</b>	200	200
Input Supply (V, Phase, & Hz)	"415V+/-10 ,3Ph,50/60Hz"	*
Tank Capacity in Litres	40	*
Pressure Kg/cm2 Bar (Must be in between 5-10 bar)	6	*
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 wound conventional type.	NA for IGBT	*
The transformer based cutting machine to be	NA for IGBT	*

	supplied with trolley		
	Input copper cable for connecting power source to main supply (01 No.)	-	*
	<b>Length of Torch Cable (in mm)</b>	900	900.0
	<b>Warranty (Years)</b>	1	1
Dimensional Parameters	Dimensions of the machine in (mm x mm x mm)	-	*
	Weight of the machine (kg)	40	*
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	*
	<b>Fire Proof Dress to be supplied</b>	No	No
	<b>Hand Gloves to be</b>	No	No

	<b>supplied</b>		
	<b>CNC Interface to be supplied</b>	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	*****	*****DIMAPUR	1	15

### Bid Specific Additional Terms and Conditions

1. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
2. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
3. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the

required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

4. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
5. Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope 2 (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)
6. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide Comprehensive Maintenance Service for next 2 years for the offered products at the rate not more than 1 % of contract price per annum. Buyer reserves the right to enter into a CMC agreement with the Successful Bidder / OEM after expiry of the Warranty period at above mentioned rate and the payment for the CMC charges would be made Annually after rendering of the CMC Services of the relevant CMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of 2000 (Upload the undertaking). The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 10% of total CMC value valid up to CMC period plus 2 months (if there is no other claim).
7. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide AMC Service for next 1 years for the offered products at the rate not more than 2 % of contract price per annum. Buyer reserves the right to enter into an AMC agreement ( covering preventive maintenance and servicing)with the Successful Bidder / OEM after expiry of the Warranty period at rate as mentioned above and the payment for the AMC charges would be made Annually after rendering of the AMC Services of the relevant AMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 2% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). (Undertaking of acceptance to be uploaded with bid).
8. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
9. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
10. 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.

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

**---Thank You---**

