



TELEFAX :0091-40-27263021

TELEPHONE :0091-40-27260071

e-mail: puremsd@ecil.co.in

ENQUIRY No.EC/EMSD/PUR/2900/4418/1117

DATE: 17.10.2014

DUE DATE: 17.11.2014

ELECTRONICS CORPORATION OF INDIA LIMITED
(A Govt. of India Enterprise)
Electronic Manufacturing Services Division
Industrial Development Area, Phase-II,
Cherlapally,
HYDERABAD – 500 051

PLEASE SUBMIT YOUR QUOTE IN SEALED ENVELOPE SUPERSCRIBING RFQ ENQUIRY & DUE DATE BY POST / COURIER TO THE UNDERSIGNED. QUOTE YOUR BEST PRICE ETC., FOR THE FOLLOWING ITEM/S SO AS TO REACH US ON OR BEFORE DUE DATE AND TIME.

NOTE: QUOTATIONS RECEIVED THROUGH EMAIL / FAX WILL NOT BE CONSIDERED

-
- | | |
|---|-----------------|
| 01. “MECHANICAL DEBURRING MACHINE (LATEST VERSION)”
(TECHNICAL SPECIFICATIONS AS PER ANNEXURE-I) | - 01 NOS |
|---|-----------------|
-

GENERAL TERMS AND CONDITIONS:

THE QUOTE IS TO BE SUBMITTED BY HAND/POST/COURIER DULY SUPERSCRIBING OUR REFERENCE OF OUR “REQUEST FOR QUOTATION”.

THE BID SHALL BE IN TWO- PARTS:

TECHNICAL BID AND PRICE BID ENCLOSED IN SEPARATE SEALED ENVELOPES EACH SUPERSCRIBED WITH THE REFERENCE OF REQUEST FOR QUOTATION. THESE TWO PARTS SHOULD BE TOGETHER PUT IN A SINGLE SEALED ENVELOPE SUPERSCRIBED WITH REFERENCE OF REQUEST FOR QUOTATION AND SUBMITTED. THE PRICE BIDS WILL BE CONSIDERED FOR ONLY THOSE OFFERS WHICH QUALIFY IN TECHNO-COMMERCIAL BID EVALUATION.

OPENING OF TENDER:

TECHNICAL BIDS WILL BE OPENED ON 18TH NOVEMBER 2014, THE TUESDAY AT 10 AM BEFORE THE BIDDERS PRESENT.

ANNEXURE -I			
TECHNICAL SPECIFICATIONS FOR MECHANICAL DEBURRING MACHINE			
S No	PARAMETER		Specifications Required
A	Basic specifications		
1.1	Power Supply		Three Phase, 400/415 V, AC, 50Hz
1.2	Dimension		Should be compact and modular with a maximum size of 6m length and 2m width
1.3	Base Material		FR4, PTFE
1.4	Minimum Panel Width		50mm
1.5	Maximum Panel Width		650mm
1.6	Minimum Panel Length		230mm
1.7	Minimum Board Thickness (Including Copper Thickness)		0.1mm
1.8	Maximum Board Thickness		5mm
1.9	Transport Direction		Left to Right
2.0	Process Sequence		Input Conveyor→ Chemical Spray rinse Module → Brush Section→ Rinse → High Pressure Section→ Rinse → Drier→ Output Conveyor
2.1	Input Conveyor		Free loading Length- 660mm with board sensors
2.2	Chemical Spray Rinse Module		The material of construction shall be in Polypropelene. Suitable material to withstand an acidic chemical shall be used for parts like shaft, Rollers, Spray nozzles etc. Spray pressure is approx. 1.5 to 2 bar One separate digital pressure gauge for upper and lower manifolds. Cartridge filter 150 micron on pump outlet
2.3	Brush Section	2.3.1	One upper and one lower oscillating brushes with billy Rollers.
		2.3.2	The brush shall be activated / de-activated according to necessity
		2.3.3	Automatic brush pressure adjustments for correct working pressure.
		2.3.4	Board thickness measurement
		2.3.5	Board Jam Alarm
		2.3.6	Board width sensor
		2.3.7	Suitable brush material for both FR4 & PTFE (pl. specify the material type)
2.4	Rinse Chambers		Squeegee Rollers at inlet & output to be provided to minimize drag out. Spray pressure shall be approx. 1.5bar with 150 micron filter on pump outlet.
2.5	High Pressure Section		For hole cleaning by means of Jets of water at high pressure using two piston pumps with water filtered by catridge filters. The spray water pressure shall be approx. 100 psi.
2.6	Dryer		Two ring blowers with catridge filter at air intake and heated by thermostatically controlled heaters to get a max. temperature of 90°C for lint free drying.
2.7	Output Conveyor		660mm Length conveyor for free unloading

S No	TERMS & CONDITIONS	Clause		Complied
3	QUALIFICATION DOCUMENTS	3.1	Bidders must be the original equipment manufacturers or their authorised agents only.	
		3.2	Only one bid must be submitted either by the manufacturer or their authorised agent.	
		3.3	The authorised agent should submit documentary evidence to that effect along with the bid.	
		3.4	In case multiple bids are submitted by manufacturer or their authorised agents, the bids would be liable for rejection.	
		3.5	The bid must be accompanied by documentary evidence of similar equipment having been supplied to customers in India in the last 3 years along with the performance certificates from the users. In case such equipment has not been supplied to Indian customers, details of customers in other countries to whom such equipment has been supplied, in the last three years, should be provided along with the performance certificates from such users.	
		3.6	The manufacturer should have their authorised service agent in India. Service engineer training & experience certificate form OEM should also be enclosed.	
4	BID DOCUMENTS	4.1	The bid must be submitted in two parts.	
		4.2	The first part, marked "Techno-commercial" should contain all technical, commercial and qualification documents except the price. The commercial terms and conditions should also be part of the Techno-commercial bid.	
		4.3	The second part, marked "Price Bid" should contain the unit rate and total price. No other information should be included in the price bid.	
		4.4	Price should not be mentioned anywhere in the techno-commercial bid. Failure to comply with this requirement would render the bid liable for rejection.	

S No	TERMS & CONDITIONS	Clause		Complied
4	CONTINUED.. BID DOCUMENTS	4.5	Clause-wise compliance statement of technical specifications	
		4.6	Clause-wise compliance of commercial conditions	
		4.7	Deviations from technical specifications and commercial conditions, if any	
		4.8	Technical data and catalogues	
		4.9	a) List of international standards to which the equipment conforms along with documentary evidence. b) Machine should comply with CE / UL certification	
		4.10	List of customers to whom similar equipment has been supplied in the last 3 years	
		4.11	Performance certificates from the customers	
		4.12	The list of tools, accessories, calibration and preventive maintenance kits that will be supplied along with the equipment.	
		4.13	Copy of the price bid with the values replaced with "xxx"	
5	SPARE PARTS	5.1	List of basic spare parts and consumables kit required for operation and maintenance of the equipment up to the warranty period	
		5.2	List of spares recommended for 5 years operation after the warranty period which should include all parts prone to wear-and-tear, all printed circuit boards and consumables.	
		5.3	Confirmation of availability of spares and service for a period of 10 years beyond the warranty period.	
6	GENERAL TERMS	6.1	Prices should be quoted CIF Hyderabad, India.	
		6.2	The bids should be valid for a period of 120 days from the due date of the tender.	
		6.3	The equipment quoted should be brand new.	
		6.4	The price bids of only technically qualified bidders would be opened and considered for placement of order.	

S No	TERMS & CONDITIONS	Clause		Complied
7	INSTALLATION AND COMMISSIONING	7.1	Special requirements for installation and commissioning including power, civil works, clean room, air-conditioning and ventilation.	
		7.2	Installation and commissioning of the equipment at ECIL should be carried out by the supplier at no additional cost . The supplier should demonstrate the full capabilities of the equipment during commissioning.	
		7.3	The supplier's representative should visit the site and indicate the works to be carried out to make the site ready for the installation and commissioning of the equipment	
		7.4	In case of delay in supply and/or installation and commissioning of the equipment beyond the agreed schedule, penalty would be levied at 0.5% of the equipment value per week or part thereof, subject to a maximum of 10% of the order value.	
8	TRANING	One week training on operation, maintenance, programming and basic troubleshooting to be provided to ECIL engineers at the time of commissioning.		
9	MANUALS	9.1	Two sets (each set comprising of one hard copy and one soft copy) of operation, programming and maintenance to be supplied with machine	
		9.2	Machine drawings should contain Mechanical assembly details, Electrical drawings (including schematic & wire drawings) and Spare part list (including mechanical & electrical parts) for the model offered.	
10	DELIVERY	The equipment should be delivered preferably within 12 weeks of the release of order.		
11	COC	Certificate of conformance along with test results should be furnished along with invitation for pre-despatch inspection.		

S No	TERMS & CONDITIONS	Clause		Complied
12	INSPECTION	12.1	List of tests that would be conducted during pre-despatch inspection.	
		12.2	The travel and living expenses for pre-despatch inspection would be borne by ECIL.	
		12.3	The equipment should be despatched only after satisfactory completion of pre-despatch inspection at manufacturer’s site for the full range of operations and to be witnessed by ECIL	
13	SOFTWARE UPGRADATION	All software updates should be sent at free of cost		
14	PAYMENT TERMS	Payment terms would be as follows: a. 80% of the supply value through irrevocable letter of credit with a usance of 60 days. b. Balance 20% upon acceptance of the equipment post installation and commissioning at ECIL. However, all bank charges inside India will be borne by ECIL and outside India to your account only.		
15	BANK GUARANTEE	The successful bidder should submit a performance bank guarantee equivalent to 10% of the order value before the final 20% payment is released. The performance bank guarantee should be valid till the end of the warranty period and should have a claim period of 1 month		
16	WARRANTY	16.1	Availability of warranty and post-warranty support	
		16.2	Confirmation of availability of AMC for a period of 5 years post-warranty, the prices for which should be included in the price bid.	
		16.3	The equipment warranty should be for a period of 42 months from the date of supply or 3 years from the date of commissioning whichever is earlier. The warranty should be comprehensive on-site warranty inclusive of all charges towards spares, labour, freight, insurance, taxes and levies. Preventive maintenance should be carried out as per schedule during the warranty period. The preventive maintenance schedule should be detailed in the techno-commercial bid.	

S No	TERMS & CONDITIONS	Clause	Complied
17	SERVICE SUPPORT	17.1	Breakdown calls should be attended to and the equipment restored to running condition within 48 hours of intimation during warranty and AMC. Any delay would result in a penalty of 0.1% of the equipment value per day or part thereof.
		17.2	Details of their authorised service agent who should be contacted for service requirements.
18	LIQUIDATED DAMAGES		In the event of any delay in supply beyond the stipulated delivery schedule, Liquidated damages will be recovered at the rate 0.5% per week of delay subject to maximum of 10% of the value of the order.
19	RISK PURCHASE		In case of failure to deliver the goods within the delivery date stipulated in the purchase order, unless prior extension of delivery period is obtained, ECIL will be at liberty to obtain such items as necessary from other sources and recover the additional costs incurred from the supplier
20	ORDER CANCELLATION	20.1	ECIL will be at liberty to cancel the order if the equipment is not delivered within the delivery date specified in the order including any extensions granted.
		20.2	ECIL has the right to close the tender without placing the order without assigning any reasons.

1. Please provide point-wise compliance to all our above terms and conditions/notes.
2. All further clarifications regarding this tender and all communications including e-mails and letters and minutes of meeting shall be treated as part of the tender.
3. For any clarifications, please contact Shri. K.P Reddy, Senior Manager, EMSD, and ECIL, e-mail: puremsd@ecil.co.in , Phone: 9949079313/040-27260071.