

ANNEXURE-A



BHARAT HEAVY ELECTRICAL LIMITED

UNIT'S ADDRESS:

CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL /FROM

Enquiry No. :

Due Date :

Supplier Qtn.

Date :

SPECIFICATION CUM COMPLIANCE CERTIFICATE FOR
Wire flame spray galvanizing torch with feeders and accessories

NOTE:-

1. Vendor must submit complete information against clause no. 7. The offer meeting this clause would only be processed.
2. 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.
3. The offer and all documents enclosed with offer should be in English language only.

NAME & ADDRESS OF THE SUPPLIER :

TELEPHONE NOS.:

FAX NOS.:

E-MAIL ADDRESS :

SCOPE: SUPPLY AND COMMISSIONING OF WIRE FLAME SPRAY GALVANIZING TORCH AND ACCESSORIES AS PER BHEL TECHNICAL SPECIFICATIONS.

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
1	PURPOSE: Portable LPG fired Wire flame spray galvanizing is required for the galvanizing of large MS plates. The spray system shall be safe, rugged, reliable and suitable for continuous operation	Vendor to Confirm			
2	SPECIFICATION:				
2.1	Total thickness (DFT) of deposited Zinc layer required: 150-170 Microns	Vendor to Confirm			
2.2	Appearance of zinc coating shall be of uniform texture and free from lumps, coarse areas and loosely adherent material.	Vendor to Confirm			
2.3	Zinc wire shall confirm to grade 99.95 percent of IS 209:1979.	Vendor to Confirm			

(S. Engineer, FHM)

(S. DGM/FTM)

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
2.4	Wire roll feed mechanism required.	Vendor to Specify			
2.5	Spray gun shall have appropriate controls for wire feed control and flame	Vendor to Confirm			
2.6	DFT obtained per pass.	Vendor to Specify			
2.7	Weight of spray gun	Vendor to Specify			
3	The following recommended parameters must be informed by vendor to obtain good quality zinc coating				
3.1	Range of spray weight/min.	Vendor to Specify			
3.2	Consumption rate of LPG, O2 and compressed air wrt feed speed.	Vendor to Specify			
3.3	Parameters of required gases like pressure, volume, purity etc.	Vendor to Specify			
3.4	Wire feed mechanism and speed range	Vendor to Specify			
3.5	Surface condition required to obtain desired quality of zinc layer.	Vendor to Specify			
4	SUPPLY TERM:	Vendor to Specify			
4.1	Complete flame spray galvanizing system comprising following items: 1. Spray Gun. 2. Air control unit (consisting of 1 No pressure regulator, 1 No pressure gauge and two air filters). 3. Gas control unit (consisting of oxygen and LPG pressure regulators). 4. Gas flowmeter (3GF Type). 5. Hose unit for oxygen, LPG and Air (15 Meters each). 6. Trolley with wire roll stand. 7. Set of recommended spares (Nozzle-5No, Air Cap-2 No, drive rollers and gear set-1 Set etc. other recommended spares if required for hassle free operation of one year vendor shall provide). 8. Coating thickness gauge-dial type. 9. Consumable Zinc wire, Qty-75Kg (3.15 mm or suitable size). For proper working of spray system vendor has to supply additional (in addition to above-mentioned items) attachments/gauge/accessories etc., if required.	Vendor to specify and confirm			
5	SAFETY ARRANGEMENTS:				

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
5.1	Supplier/vendor shall mention safety measures incorporated in the system for safe operation and safety of the operator.	Vendor to Specify			
6	Commissioning of the system at BHEL works:				
6.1	Demonstration of all features of the spray gun and all accessories to the satisfaction of BHEL for their efficient and effective use.	Vendor to Confirm			
6.2	Demonstration by actual use of all supplied attachments and accessories to their full capacity.	Vendor to Confirm			
6.3	Demonstrate setting of all input parameters to obtain desired quality of deposited zinc layer.	Vendor to Confirm			
6.4	Training of BHEL machine operators in operation of complete machine & accessories etc by the supplier's experts / engineers during their stay at BHEL.	Vendor to Confirm			
6.5	Instruments (Flow /Pressure regulators etc) shall be calibrated, with validity of one year.	Vendor to Confirm			
6.6	For acceptance of supplied spray system at BHEL Bhopal, successful commissioning of all equipments/attachments/accessories is required.	Vendor to Confirm			
7	PRE QUALIFYING CONDITIONS :				
7.1	Vendor shall quote only those models of wire flame spray gun system (supporting equipments, accessories etc) which are working satisfactorily for spray galvanizing (Zinc) in rugged environment for continuous operation for minimum one year after commissioning.	Vendor to Confirm			
7.2	Performance certificate of the quoted wire flame spray gun system model from at least one customer/company regarding satisfactory performance of wire flame spray gun system supplied to them for duration of minimum one year. In addition to it, PO copy with price jacketed or other valid document certifying supply of offered machine shall be furnished.	Vendor to provide and confirm			
7.3	Name of the customer / company where quoted model is installed (With details of contact person-Designation, Mobile, Mail ID).	Vendor to specify			

Swati
(Sr. Engineer, FHM)

Pratik
(Sr. Engineer, FHM)
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Sham
(Sr. Manager, FTM)

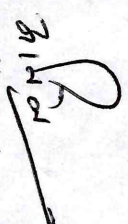
Shiv
(Sr. DGM/FTM)

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
8	GENERAL REQUIREMENTS:				
8.1	BHEL reserves right to visit vendor works before or after placement of purchase order.	Vendor to Confirm			
8.2	In case of quotation by authorised dealer/vendor following must also be ensured:				
8.2.1	For Agent/Dealers valid authorization letter from OEM shall be submitted with offer.	Vendor to Confirm			
8.2.2	All Technical correspondence and confirmation shall be done with their principal supplier (OEM).	Vendor to Confirm			
8.2.3	Contact details of principal(OEM) along with valid email ID & phone no. to be provided along with offer.	Vendor to Confirm			
8.2.4	All liabilities regarding performance and warranty shall be of principal(OEM) in the event of default by the authorized agent/dealer.	Vendor to Confirm			
9	DOCUMENTATION :				
9.1	Operation manual and detailed catalogue of the attached system shall be furnished with the System.	Vendor to Confirm			
10	PACKING:				
10.1	Strong & rigid packing for all items of complete machine to avoid transit damage.	Vendor to Confirm			


Sunil Vishwakarma
Sr. Engineer(FWM)


Sh. Kshitij Shrivastava
Sr. Engineer(FWM)


Sh. H C Gajbhiye
Sr. Manger(FTM)


Sh. Anil Markam
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