

To: M/s _____
Subj: **Tender Inquiry**

1. You are requested to please forward your offer for the following:-

Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks
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Indent no 85 dated 09 Oct 2024 Shop-4 Maint Br

Upgradation of Box Type Elect Resistance Furnace Tag No: A8-3A

Specification of Machine

<u>Country of Origin</u> <u>China or Equivalent origin.</u>	Nos	01	IT-206	China or Equivalent
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1.	<u>Description of Machines</u>			
	S/no	Tag no and Nomenclature of existing Furnace	Tag no and Nomenclature of Upgraded Furnace	Remarks
	a.	A8-3A Box Type Elect Resistance Furnace	A8-3A Box Type Elect Resistance Furnace	

Scope of Upgradation

- | | |
|----|---|
| a. | Furnace Working Area 1500 x 1000 x 750mm. |
| b. | PID Based Temp Controller. |
| c. | Spring Type Elect Heating Element. |
| d. | Heat Resistance base plate alongwith new energy efficient lining. |
| e. | Precise temperature controller and Thyristor controller for smooth power regulation. |
| f. | Fast heating temperature up to 1000C°. |
| g. | Auto Shutdown sensor for main door and electrical vertical lift door. |
| h. | Temperature uniformities within Furnace ± 5 °C. |
| i. | Painting work of the furnace will be carried out by the firm. |
| j. | Installation & commissioning with the existing system will be carried out by the firm. |
| k. | Hard and Soft copy of Operation & Maintenance manual will be provided by the firm. |
| l. | Operation & Maintenance Training to 3 indls for 1 week at hit site will be provided by the firm. |
| m. | Any other electric and mechanical item req for integration and function of complete system. |
| n. | Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period. |

Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks
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Indent no 87 dated 09 Oct 2024 Shop-4 Maint Br

Upgradation of Box Type Elect Resistance Furnace Tag No: A8-79

Specification of Machine

<u>Country of Origin</u> China or Equivalent origin.		Nos	01	IT-207	China or Equivalent
2.	Description of Machines				
	S/no	Tag no and Nomenclature of existing Furnace	Tag no and Nomenclature of Upgraded Furnace	Remarks	
	a.	A8-79 Box Type Elect Resistance Furnace	A8-79 Box Type Elect Resistance Furnace		
	Scope of Upgradation				
	a.	Furnace Working Area 2500 x 1350 x 1100mm.			
	b.	PID Based Temp Controller.			
	c.	Spring Type Elect Heating Element.			
	d.	Heat Resistant base plate alongwith new energy efficient lining.			
	e.	Precise temperature controller and Thyristor controller for smooth power regulation.			
	f.	Fast heating temperature up to 1000C°.			
	g.	Auto Shutdown sensor for main door and electrical vertical lift door.			
	h.	Temperature uniformities within Furnace ± 5 °C.			
	i.	Painting work of the furnace will be carried out by the firm.			
	j.	Installation & commissioning with the existing system will be carried out by the firm.			
	k.	Hard and Soft copy of Operation & Maintenance manual will be provided by the firm.			
	l.	Operation & Maintenance Training to 3 indls for 1 week at hit site will be provided by the firm.			
	m.	Any other electric and mechanical item req for integration and function of complete system.			
	n.	Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period.			

Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks
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Indent no 54 dated 01 Oct 2024 Shop-4 Maint Br

Upgradation of DC Elect Generator Rectifier A6-47B To Chrome Plating Rectifier 3000A

Specification of Machine

<u>Country of Origin</u> China or Equivalent origin.		Nos	01	IT-208	China or Equivalent
3.	Description of Machines				
	S/no	Tag no and Nomenclature of existing Plant	Tag no and Nomenclature of Upgraded Plant	Remarks	
	a.	A6-47A Elect DC Generator Rectifier	A6-47A Chrome Plating Rectifier 3000A		
	Scope of Upgradation				
	a.	Input voltage 380V 50Hz.			
	b.	Output voltage 0~18V Adjustable.			

c.	Output current 0~3000A Adjustable.				
d.	Range 0 to 100% in current and 0 to 100% in voltage.				
e.	0 to 100% continuously adjustable.				
f.	High Frequency switching mode PWM pulse control.				
g.	Air cooled and insulation resistance of 5MΩ or more.				
h.	Remote control box.				
i.	Protection of overheating, over current, over voltage, overload phase missing and input over / low voltage.				
j.	Firm will carry out any other electrical and mechanical work if required.				
k.	Installation & commissioning of complete system will be carried out by the firm.				
l.	Necessary safety alarms should be available in rectifier.				
m.	Firm will provide 03x days rectifier training to 02 x indl's at HIT site.				
n.	Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period.				

Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks
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Indent no 94 dated 14 Oct 2024 Shop-4 Maint Br

Upgradation of Tag No: A4-5-3 Mono Rail Crane Elect Block To Mobile Vacuum Sheet Picker

Specification of Machine

<u>Country of Origin</u> <u>China or Equivalent origin.</u>		Nos	01	IT-209	China or Equivalent
4.	<u>Description of Machines</u>				
	S/no	Tag no and Nomenclature of existing Crane	Tag no and Nomenclature of Upgraded Crane	Remarks	
	a.	A4-5-3 Mono Rail Crane Elect Block	A4-5-3 Mobile Vacuum Sheet Picker		
	<u>Scope of Upgradation</u>				
	a.	Electrically reverse/fwd & Up/down.			
	b.	Battery Powered.			
	c.	Supply Voltage 48V.			
	d.	Rated Load 600 Kg.			
	e.	Firm will provide 06 x suction CUPS alongwith Picker.			
	f.	Firm will provide Vacuum Pump alongwith Picker.			
	g.	Installation & Commissioning including civil work will be carried out by the Firm.			
	h.	Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period.			

Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks
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Indent no 96 dated 14 Oct 2024 Shop-4 Maint Br

Upgradation of Tag No: A8-53 Brinell Hardness Tester

Specification of Machine

<u>Country of Origin</u> <u>China or Equivalent origin.</u>		Nos	01	IT-210	China or Equivalent
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5.	Description of Machines							
	S/no	Tag no and Nomenclature of existing M/c	Tag no and Nomenclature of Upgraded M/c	Remarks				
	a.	A8-53 Brinell Hardness Tester	A8-53 Digital Brinell Hardness Tester					
	Scope of Upgradation							
	a.	Hardness Tester DHBRV-187.5DTE						
	b.	Initial Force 98N						
	c.	Total Force Brinell(N) 153.2(15.625Kgf), 306(31.25Kg), 613(62.5Kg), 1226(125Kgf), 1839(187.5Kg)						
	d.	Testing Range: 8-650 HB						
	e.	Hardness Scale :HBW2.5/15.625 HBW2.5/31.25 HBW2.5/62.5 HBW5/62.5 HBW5/125 HBW2.5/187.5						
	f.	Min Testing Unit 0.004mm						
	g.	Max Testing Height 165mm						
	h.	Max Testing Depth 170mm						
	i.	Displaying Mode Touch Screen						
	j.	Brinell Indenter Dia 1.5875, 2.5, 5mm Alloy Ball Indenter						
	k.	Firm will carry out any other electrical and mechanical work if required.						
l.	Installation & commissioning of complete system will be carried out by the firm.							
m.	Firm will provide 01 x week training to 02 x indl's at HIT site.							
n.	Hard and Soft copy of Operation & Maintenance manual will be provided by the firm.							
o.	Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period.							
Ser	Particular	A/U	Qty reqd to be Up gradation	IT No	Remarks			

Indent no 97 dated 15 Oct 2024 Shop-4 Maint Br

Upgradation of Well Type Gas Carburizing & Soft Nitriding Resistance Furnace Tag No: A8-80

Specification of Machine

Country of Origin

China or Equivalent origin.

Nos

01

IT-211

China or Equivalent

6.	Description of Machines							
	S/no	Tag no and Nomenclature of existing Furnace	Tag no and Nomenclature of Upgraded Furnace	Remarks				
	a.	A8-80 Well Type Gas Carburizing & Soft Nitriding Resistance Furnace	A8-80 Well Type Gas Carburizing & Soft Nitriding Resistance Furnace					
	Scope of Upgradation							
	a.	Carburizing system and Nitriding system upgradation.						
	b.	Hydraulic system upgradation.						
	c.	Temp Monitoring and control sys upgradation.						
	d.	New Lining of existing furnace						
	e.	Separate Top and Bottom temp control system.						
	f.	Thyristor based power regulation circuit.						
	g.	Installation & commissioning with the existing system will be carried out by the firm.						
	h.	Hard and Soft copy of Operation & Maintenance manual will be provided by the firm.						

	i.	Operation & Maintenance training to 02 x indl's For 1 week at hit site will be provided by the Firm.						
	j.	Any other electric and mechanical item req for integration and function of complete system.						
	k.	Firm to support the Machine with backup spares (on Payment) for 10 x Years after expiry of warranty period.						
Ser	Indent No & date	Shop	Ser	Items	A/U	Qty	IT No	Country of Origin
7.	Indent no 58 dt 01 Oct 24	Shop-4 Maint	1	Arc Welding Plant 250 A <u>Tag no & Nomenclature of upgraded machine</u> ING-MMA2508 Inverter MMA Welding Machine Input voltage:220-240/380-400V ~ 50/60Hz Output current (A):20-250 Duty cycle (%):250A @60% Welding Screen 20 Ft Welding cable with electrode Holder Electrode Diameter 1.6 ~ 5.0 mm	Nos	03	IT-212	Ingco/ Equivalent
			2	Arc Welding Plant 500 A <u>Tag no & Nomenclature of upgraded machine</u> ING-MMA5008 Inverter MMA Welding Machine Input voltage:380-400V ~ 50/60Hz Output current (A):20-500 Duty cycle (%):5000A @60% Welding Screen 20 Ft Welding cable with electrode Holder Electrode Diameter 2.5 ~ 6.0 mm	Nos	03		
8.	Indent no 90 dt 10 Oct 24	Shop-4 Maint	1	AC Contactor 3 Pole NXC-40-380V-50Hz 40A	Nos	50	IT-213	China/ Equivalent
9.	Indent no 91 dt 10 Oct 24	Shop-4 Maint	1	AC Contactor 4 Pole NXC-25-M/-22-110V-50Hz 25A 2NO & 2NC	Nos	10	IT-214	China/ Equivalent
			2	5 Core Cable (3x4mm ²) & (2x1mm ²)	Mtr	180		
			3	Metallic DP 20"x12"x6"	Nos	10		
10.	Indent no 92 dt 10 Oct 24	Shop-4 Maint	1	MS Pipe ID 1.5 Inch Wall Thickness 4mm	Ft	460	IT-215	China/ Equivalent
			2	MS Barrel Nipple 1.5 Inch	Nos	08		
			3	MS Bend ID 1.5 Inch Wall Thickness 4mm	Nos	24		
			4	MS Union 1.5 Inch	Nos	04		
			5	SS Ball Valve 1.5 Inch	Nos	08		
			6	SS Ball Valve 1.5 Inch	Nos	06		
			7	SS Socket 1.5 Inch	Nos	06		
			8	Teflon Tape	Nos	50		
			9	Bolt M12x65mm	Nos	24		
			10	Nut M12	Nos	24		
			11	Sufaida	Gram	500		
			12	Gas Regulator 0~20 Bar	Nos	01		
			13	Gas Filter WF3040/1DN40 Pressure 4 Bar	Nos	01		
			14	Gate Valve Flange Type Kitz 2 Inch	Nos	02		

11.	Indent no 03 dt 01 Oct 24	Ancy Shop	1	Arc Welding Plant 0-500A & 0-250 A	Nos	01	IT-216	Europe/ Equivalent
12.	Indent no 10 dt 04 Oct 24	Shop-4 TM Br	1	Molybdenum Wire Ø 0.18mm	Nos	20	IT-217	China/ Equivalent
13.	Indent no 11 dt 04 Oct 24	Shop-4 TM Br	1	EDM Molybdenum Wire Ø0.007 inch	Nos	20	IT-218	China/ Equivalent
14.	Indent no 89 dt 10 Oct 24	Shop-4 Maint	1	Induction Coil 500 Kg	Nos	01	IT-219	Paktherm/ Equivalent
15.	Indent no 95 dt 14 Oct 24	Shop-4 Maint	1	Oscilating Knife Gasket Cutter <ul style="list-style-type: none"> • Working Area 1300x1300x200mm • High Precision Screw Drive with working speed 0-20000mm/min • Vacuum pump 5.5 KW with vacuum table • Power AC 220V 50-60Hz • Oscillation tangential knife • Red cross positioning function • Safe Anti-collision protection • Aluminum vacuum plateform • Infrared ray protection • Linear square guide & gear rack transmission • Standard tools and cutter will be provided by the Firm. 	Nos	01	IT-220	China/ Equivalent
16.	Indent no 20 dt 08 Oct 24	Store-II	1	A-2590 Pig Iron Z-20 GB7 18-65 C-3,9-4%,Si=2.5%,Mn0.4% P<=0.06,Cr TRACES	Ton	10	IT-221	Pak/China or Equivalent
17.	Indent no 28 dt 14 Oct 24	Store-II	1	Carbide Insert APMT 1135	Nos	2000	IT-222	Pak/China or Equivalent
18.	Indent no 29 dt 14 Oct 24	Store-II	1	Carbide Insert APMT 1604	Nos	2200	IT-223	Pak/China or Equivalent
19.	Indent no 18 dt 08 Oct 24	Store-II	1	A-2529 Cotton Rags	Kg	2000	IT-224	Pak/China or Equivalent
20.	Indent no 19 dt 08 Oct 24	Store-II	1	A-0508 Barium Chloride (Ind) 95%Min	Kg	1000	IT-225	Pak/China or Equivalent
21.	Indent no 24 dt 08 Oct 24	Store-II	1	SC-7004 Boot DMS (Half) 7,8,9,10 Size a. Size no.7 = 30 b. Size no.8 = 50 c. Size no.9 = 30 d. Size no.10 = 30	Prs	140	IT-226	Pak/China or Equivalent
22.	Indent no 33 dt 08 Oct 24	Shop-K	1	INSERT CLAMP SCREW LD6024-T20P	Nos	100	IT-227	Pak/China or Equivalent
			2	INSERT CLAMP SCREW LD5020-T09	Nos	100		
			3	INSERT PIN PL1403-T09P	Nos	100		
			4	INSERT PIN MN1520-T20P	Nos	100		
			5	INSERT SCREW C04008-T15P	Nos	200		
23.	Indent no 34 dt 08 Oct 24	Shop-K	1	INSERT SREW C002505-T07P	Nos	200	IT-228	Pak/China or Equivalent
			2	SHIM WN080412	Nos	400		

24.	Indent no 05 dt 03 Oct 24	Shop-4 TM	1	DDJNL2020 Tool Holder	Nos	02	IT-229	China/ Equivalent
			2	PDXNL2020 Tool Holder	Nos	02		
			3	PRDCN2020 Tool Holder	Nos	02		
			4	DCLNL2020 Tool Holder	Nos	02		
			5	PTFNL2020(90°) Tool Holder	Nos	02		
			6	SVPCL2020(117°30') Tool Holder	Nos	02		
			7	SVPCL2020(98°) Tool Holder	Nos	02		
			8	SVPCL2020(113°) Tool Holder	Nos	02		
25.	Indent no 06 dt 17 Oct 24	Shop-4 TM	1	SEXPL(E) Ø20,16(52°30') Tool Holder	Nos	02	IT-230	China/ Equivalent
			2	SVQBL Ø20,16(107°30') Tool Holder	Nos	02		
			3	MGMN-150-GWP030 Inserts	Nos	100		
			4	VBMT160408-HMP Inserts	Nos	100		
26.	Indent no 07 dt 17 Oct 24	Shop-4 TM	1	DNMG150604-DM INSERTS	Nos	50	IT-231	China/ Equivalent
			2	VNMG160404-PM INSERTS	Nos	50		
			3	MGMN300-MWP030 INSERTS	Nos	50		
			4	MGMN400-MWP030 INSERTS	Nos	50		
			5	MGMN200-MWP030 INSERTS	Nos	50		
			6	MGMN250-MWP030 INSERTS	Nos	50		
27.	Indent no 08 dt 17 Oct 24	Shop-4 TM	1	16IRG60LDA INSERTS	Nos	50	IT-232	China/ Equivalent
			2	DNMM110402E-FF INSERTS	Nos	50		
			3	CNMG120404 INSERTS	Nos	50		
			4	TNMA160408 INSERTS	Nos	50		
			5	VBMT110302E-FM INSERTS	Nos	50		
			6	TNMA220412 INSERTS	Nos	50		
28.	Indent no 09 dt 17 Oct 24	Shop-4 TM	1	TE40-ER25 SLEEVE	Nos	05	IT-233	China/ Equivalent
			2	B-208T(5002-392) T-NUT	Nos	18		
			3	VHC-08(5002-332) SOFT JAWS	Set	05		
			4	ER25 COLLET	Set	02		
29.	Indent no 12 dt 17 Oct 24	Shop-4 TM	1	E40-8(5006-382) Reducing Boring Sleeve	Nos	01	IT-234	China/ Equivalent
			2	E40-16-K(5006-403A) Reducing Boring Sleeve	Nos	01		
			3	E40-20-K(5006-403C) Reducing Boring Sleeve	Nos	01		
			4	E40-10(5006-383) Reducing Boring Sleeve	Nos	01		
			5	E40-25-K(5006-403) Reducing Boring Sleeve	Nos	01		
			6	MVJNL2020K16 Tool Holder	Nos	02		
			7	SEL2020K16 Tool Holder	Nos	02		
			8	MDJNL2020K15 Tool Holder	Nos	02		
30.	Indent no 13 dt 17 Oct 24	Shop-4 TM	1	400x40x203mm Pedestal Grinding Wheel (Green & White)	Nos	20	IT-235	China/ Equivalent
			2	75x2x10x20mm Diamond Cup Grinding Wheel	Nos	20		
31.	Indent no 14 dt 17 Oct 24	Shop-4 TM	1	75x8x10x20mm Cup Grinding Wheel GG46 (Red)	Nos	20	IT-236	China/ Equivalent
			2	150x8x10x32mm Disk Grinding wheel GB60 (White)	Nos	10		

32.	Indent no 15 dt 17 Oct 24	Shop-4 TM	1	Black Acrylic Sheet thickness 5mm (4' x 6')	Nos	15	IT-237	PPI/ Equivalent
			2	Black Acrylic Sheet Thickness 4mm (4' x 6')	Nos	15		
			3	Black Acrylic Sheet Thickness 3mm (4' x 6')	Nos	10		
33.	Indent no 16 dt 17 Oct 24	Shop-4 TM	1	Black Acrylic Sheet thickness 2mm (4' x 6')	Nos	10	IT-238	PPI/ Equivalent
			2	Transparent Acrylic Sheet Thickness 4mm (4' x 6')	Nos	05		
			3	Transparent Acrylic Sheet Thickness 3mm (4' x 6')	Nos	10		
			4	Transparent Acrylic Sheet Thickness 10mm (4' x 6')	Nos	02		
34.	Indent no 17 dt 17 Oct 24	Shop-4 TM	1	Transparent Acrylic Sheet Thickness 15mm (4' x 6')	Nos	02	IT-239	PPI/ Equivalent
			2	Milky White Acrylic Sheet Thickness 04mm (4' x 6')	Nos	03		
			3	Milky White Acrylic Sheet Thickness 02mm (4' x 6')	Nos	03		
			4	Red Acrylic Sheet Thickness 04mm (4' x 6')	Nos	03		
			5	Red Acrylic Sheet Thickness 02mm (4' x 6')	Nos	05		
35.	Indent no 118 dt 25 Oct 24	Shop-4 Maint	1	Hydrochrome Equipment WKI- CPSM122 Body Material: Stainless Steel Gun System: 5 Pcs Guns Tank Material: Stainless Steel Liquid Capacity of Tank: 10L/Bottle	Nos	01	IT-240	China/ Equivalent
			2	Solution: K/A1/A2/B/S	Nos	01		
			3	2K Spray Chrome Base Coat Kit	Nos	01		
			4	1K Spray Chrome Clear Coat Kit	Nos	01		
			5	2K Spray Chrome Topcoat Kit	Nos	01		
			6	Anti-Yellowing Agent	Nos	01		
36.	Indent no 117 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Regulator Module (VRM) 20 KVA	Nos	01	IT-241	China/ Equivalent
			2	Voltage Regulator Module (VRM) 35 KVA	Nos	01		
37.	Indent no 116 dt 23 Oct 2024	Shop-4 Maint	1	Power Conditioning Unit (PCU) 35 KVA	Nos	01	IT-242	China/ Equivalent
			2.	Power Conditioning Unit (PCU) 25 KVA	Nos	01		
38.	Indent no 115 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Conditioner 25 KVA	Nos	01	IT-243	China / Equivalent
			2	Voltage Conditioner 20 KVA	Nos	01		
39.	Indent no 114 dt 23 Oct 2024	Shop-4 Maint	1	Automatic Line Conditioner 30 KVA	Nos	01	IT-244	China / Equivalent
			2	Automatic Line Conditioner 20 KVA	Nos	01		
40.	Indent no 113 dt 23 Oct 2024	Shop-4 Maint	1	Automatic Voltage Controller (AVC) 30 KVA	Nos	01	IT-245	China / Equivalent
			2	Automatic Voltage Controller (AVC) 25 KVA	Nos	01		
41.	Indent no 112 dt 23 Oct 2024	Shop-4 Maint	1	Dynamic Voltage Regulator (DVR) 30 KVA	Nos	01	IT-246	China / Equivalent
			2	Dynamic Voltage Regulator (DVR) 20 KVA	Nos	01		
42.	Indent no 111 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Conditioner 35 KVA	Nos	01	IT-247	China / Equivalent
			2	Voltage Conditioner 25 KVA	Nos	01		

43.	Indent no 110 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Regulator Module (VRM) 35 KVA	Nos	01	IT-248	China / Equivalent
			2	Voltage Regulator Module (VRM) 20 KVA	Nos	01		
44.	Indent no 109 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Stabilizer 30 KVA	Nos	01	IT-249	China / Equivalent
			2	Voltage Stabilizer 25 KVA	Nos	01		
45.	Indent no 108 dt 23 Oct 2024	Shop-4 Maint	1	Generator Voltage Regulator 20 KVA	Nos	01	IT-250	China / Equivalent
			2	Generator Voltage Regulator 25 KVA	Nos	01		
46.	Indent no 107 dt 23 Oct 2024	Shop-4 Maint	1	Power Conditioning Unit (PCU) 35 KVA	Nos	01	IT-251	China / Equivalent
			2	Power Conditioning Unit (PCU) 25 KVA	Nos	01		
47.	Indent no 106 dt 23 Oct 2024	Shop-4 Maint	1	Automatic Line Conditioner 35 KVA	Nos	01	IT-252	China / Equivalent
			2	Automatic Line Conditioner 20 KVA	Nos	01		
48.	Indent no 105 dt 23 Oct 2024	Shop-4 Maint	1	AC Voltage Regulator 45 KVA	Nos	02	IT-253	China / Equivalent
49.	Indent no 104 dt 23 Oct 2024	Shop-4 Maint	1	Line Voltage Regulator 45 KVA	Nos	02	IT-254	China / Equivalent
50.	Indent no 103 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Stabilizer 85 KVA	Nos	01	IT-255	China / Equivalent
51.	Indent no 102 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Stabilizer 50 KVA	Nos	01	IT-256	China / Equivalent
52.	Indent no 101 dt 23 Oct 2024	Shop-4 Maint	1	Voltage Stabilizer 15 KVA	Nos	01	IT-257	China / Equivalent
			2	Voltage Stabilizer 35 KVA	Nos	01		
53.	Indent no 100 dt 23 Oct 2024	Shop-4 Maint	1	Auto Voltage Regulator 15 KVA	Nos	01	IT-258	China / Equivalent
			2	Auto Voltage Regulator 40 KVA	Nos	01		
54.	Indent no 27 dated 07 Oct 24	Shop-K	1	Digital Depth Gauge 0~200 mm (1141-200A) Insize	Nos	05	IT-259	Pak/China or Equivalent
55.	Indent no 29 dated 07 Oct 24	Shop-K	1	Dial Indicator (2892-10) Insize	Nos	10	IT-260	Pak/China or Equivalent
56.	Indent no 30 dated 07 Oct 24	Shop-K	1	Dial Magnetic Stand (6202-100) Insize	Nos	10	IT-261	Pak/China or Equivalent
57.	Indent no 31 dated 08 Oct 24	Shop-K	1	Interchangeable Points Live Center VLC-314 (5001-042) MT-4	Nos	03	IT-262	Pak/China or Equivalent
58.	Indent no 32 dated 08 Oct 24	Shop-K	1	ATUM 30 x D2 U-Drill System (AKKO)	Nos	04	IT-263	Pak/China or Equivalent
			2	ATUM 44 x D2 U-Drill System (AKKO)	Nos	04		
			3	ATUM 30 x D4 U-Drill System (AKKO)	Nos	04		
			4	ATUM 44 x D4 U-Drill System (AKKO)	Nos	04		
59.	Indent no 35 dated 08 Oct 24	Shop-K	1	SHIM CN120412	Nos	400	IT-264	Pak/China or Equivalent
			2	SHIM TN160312	Nos	400		
			3	SHIM SN120408	Nos	400		
			4	SHIM SN150408	Nos	400		
60.	Indent no 36 dated 08 Oct 24	Shop-K	1	SHIM DEA110312	Nos	400	IT-265	Pak/China or Equivalent
			2	SHIM VN160308	Nos	400		
			3	SHIM DN150412	Nos	400		
61.	Indent no 37 dated 09 Oct 24	Shop-K	1	Carbide Insert SPKX 090408 (AKKO)	Nos	200	IT-266	Pak/China or Equivalent
62.	Indent no 38 dated 09 Oct 24	Shop-K	1	Carbide Insert SPKX 140512 (AKKO)	Nos	200	IT-267	Pak/China or Equivalent

63.	Indent no 39 dated 09 Oct 24	Shop-K	1	Insert Screw 4015-M 3.5x9	Nos	50	IT-268	Pak/China or Equivalent
			2	Insert Screw 1020-M 5x11	Nos	50		
			3	2100-1 Knurling Tool	Set	05		
			4	2100-25 Knurling Tool	Set	05		
			5	2101-25 Knurling Tool	Set	05		
64.	Indent no 40 dated 10 Oct 24	Shop-K	1	HSS Drill Straight Shank Dia Ø2.5mm	Nos	25	IT-269	Pak/China or Equivalent
			2	HSS Drill Straight Shank Dia Ø 2.7mm	Nos	25		
			3	HSS Drill Straight Shank Dia Ø 3.3mm	Nos	25		
			4	HSS Drill Straight Shank Dia Ø 3.5mm	Nos	25		
			5	HSS Drill Straight Shank Dia Ø 3.7mm	Nos	13		
			6	HSS Drill Straight Shank Dia Ø 4mm	Nos	25		
			7	HSS Drill Straight Shank Dia Ø 5mm	Nos	25		
			8	HSS Drill Straight Shank Dia Ø 5.5mm	Nos	25		
65..	Indent no 41 dated 10 Oct 24	Shop-K	1	HSS Drill Straight Shank Dia Ø 6mm	Nos	25	IT-270	Pak/China or Equivalent
			2	HSS Drill Straight Shank Dia Ø 6.5mm	Nos	25		
			3	HSS Drill Straight Shank Dia Ø 7mm	Nos	25		
			4	HSS Drill Straight Shank Dia Ø 7.5mm	Nos	25		
			5	HSS Drill Straight Shank Dia Ø 8mm	Nos	25		
			6	HSS Drill Straight Shank Dia Ø 9mm	Nos	25		
			7	HSS Drill Straight Shank Dia Ø 10mm	Nos	25		
			8	HSS Drill Straight Shank Dia Ø 10.75mm	Nos	25		
			9	HSS Drill Straight Shank Dia Ø 11.5mm	Nos	25		
66.	Indent no 42 dated 10 Oct 24	Shop-K	1	Insert Holder Ø 16 mm for Insert APKT 1003	Nos	05	IT-271	Pak/China or Equivalent
			2	Insert Holder Ø 20 mm for Insert APKT 1003 (03 Flutes)	Nos	05		
			3	Insert Holder Ø 16 mm for Insert APMT 1135 (02 Flutes)	Nos	05		
			4	Insert Holder Ø 20 mm for Insert APMT 1135 (02 Flutes)	Nos	10		
67.	Indent no 43 dated 10 Oct 24	Shop-K	1	Head Type T8 Insert Locking Screw M 2.5	Nos	200	IT-272	Pak/China or Equivalent
			2	Head Type T15 Insert Locking Screw M 4	Nos	100		
68.	Indent no 34 dt 14 Oct 24	Store-II	1	A-2473 Zinc Anode 800+0.20x200+0.20x8+0.2mm pure 99.95%	Kg	300	IT-273	Pak/China
			2	A-2469 Copper Anode 400±5x200±5x6±0.5mm pure 99.95%	Sheet	05		
69.	Indent no 33 dt 14 Oct 24	Store-II	1	A-0554 Gronodine-III (Ind) ICI brand	Lit	200	IT-274	Pak/China
70.	Indent no 25 dated 14 Oct 24	Store-II	1	A-0686 Zircon Powder Mash 300	Kg	500	IT-275	Pak/China
			2	A-0688 Resin Silicon Essil-291	Kg	20		
			3	A-0689 Catalyser Essil-292	Kg	02		
71.	Indent no 30 dt 14 Oct 24	Store-II	1	APKT 160404-HM (VACARX)	Nos	600	IT-276	Pak/China or Equivalent
72.	Indent no 31 dt 14 Oct 24	Store-II	1	T-104 Center Drill Ø2mm Presto UK Or Germany	Nos	50	IT-277	Pak/China or Equivalent
			2	T-106 Center Drill Ø3mm Presto UK Or Germany	Nos	50		
			3	T-043 Center Drill Ø4mm Presto UK Or Germany	Nos	50		
			4	T-109 Center Drill Ø5mm Presto UK Or Germany	Nos	50		

73.	Indent no 32 dt 14 Oct 24	Store-II	1	Carbide Insert APMT 9003	Nos	600	IT-278	Pak/China or Equivalent
			2	SPKN 1504-PDER-R4030	Nos	600		
74.	Indent no 03 dt 17 Oct 24	QC	1	SAE Hand Book Volume 1 (Metals, Materials, Fuels, Emissions, Threads, Fasteners and Common Parts) Latest/updated revised publication	Nos	01	IT-279	USA
75.	Indent no 04 dt 17 Oct 24	QC	1	Digital Vernier Caliper with Carbide Tipped Jaws, Range 0~150mm (INSIZE or equivalent) • Carbide Tipped Jaws for inside and outside measurements. • Resolution=0.01 mm, • Buttons= on/off, zero, mm/inch • Automatic power off • Battery= CR2032 • Made of Stainless steel • With thimble roller	Nos	03	IT-280	China/ Equivalent
			2	Digital Vernier Caliper with Carbide Tipped Jaws, Range 0~300mm (INSIZE or equivalent) • Carbide Tipped Jaws for inside and outside measurements. • Resolution=0.01 mm, • Buttons= on/off, zero, mm/inch • Automatic power off • Battery= CR2032 • Made of Stainless steel • With thimble roller	Nos	03		

INSTRUCTION TO BIDDERS ON SUBMISSION OF BIDDING DOCUMENTS

- Rates will be quoted on FOR Taxila Cantt basis. Offer best competitive price” **MOST ADVANTAGEOUS BID ON LEAST COST METHOD**” while submitting your quotation.
- Over writing/incomplete/unstamped and cutting of any nature in the quotation will not be accepted /entertained.
- Do not quote more than one brand or any other items except our demand; no action will be taken if received.
- Bidding Process (**Single Stage-Two Envelope**)
- (a). **Each IT may be quoted separately (With PART-I and PART-II)**
(b). **Part-I and Part-II** quotation will be enclosed in separate sealed envelopes for each inquiry. For identification purpose, the words **“TECHNICAL QUOTATION (PART-I) WITHOUT PRICE and COMMERCIAL QUOTATION (PART-II) WITH PRICE”** Shall Be Written in **CAPITAL LETTERS** on the respective sealed. Envelopes which will be placed in a large each bearing complete detail of the tender inquiry. Forward your quotation not later than **25 Nov 2024 at 1100 hrs.**

BID ENVELOPE FORMAT

TENDER INQUIRY NO. 8600/ IT-206 To IT-280 / Proc-D dated 04 Nov 2024.

TO BE OPENED ON **25 Nov 2024 at 11:30 hrs.**

To: DAD Procurement DESCOM (Factory)
HEAVY INDUSTRIES TAXILA, Taxila Cantt
FROM MS _____

TECHNICAL QUOTATION FORMAT

S/No	Nomenclature / Description	A/U	Qty	(xxxx)
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COMMERCIAL QUOTATION FORMAT

S/No	Nomenclature / Description	A/U	Qty	Unit Price With GST
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- The date of **Opening of bids** and the last date for the submission of bids shall be the same. Bids shall be opened at the time **25 Nov 2024 at 11:30 hrs.** The bids shall be opened at least thirty minutes after the deadline for submission of bids/Quotation (as per PPRA Rule-28 i)

(a) **GST & NTN should be mentioned on Technical, Commercial quotation, Otherwise offer will be ignored / Rejected by the CA.**

Delivery of Tender

- The Tender / bid will be enclosed in a sealed envelope which will invariable marked with 'Bid against Tender Inquiry and Complete address. The Tender if brought by hand, will be handed over to security staff on duty at HRF (T) Gate-1 for placing the same in the bid box (Proc Sec DESCOM Factory). The bid will not be brought by hand by any firm while visiting the office of DAD Proc. Moreover if required endorsement are found missing, the bid will be liable for rejection.

General Conditions

- All Firms participating in the tender will deposit 2% bid security of total quoted value in the shape of CDR/BG addressed to MD DESCOM, Heavy Industries Taxila. The bid security instrument shall be enclosed by the firm in Commercial offer. A separate certificate that 2% bid money enclosed in the commercial offer will be provided along with the technical offer.

10. All clauses/terms mentioned in this inquiry will be considered accepted by the firm in case no reference to them is given in the offer.

- Info Tender fee** in the shape of **Cash for Rs.1000/- (Rupees One Thousand)** in favour of Managing Director, HIT Taxila Cantt will invariably be enclosed with the **technical quotation** against each tender inquiry separately, failing which the quotation will be rejected.

12. Firms are instructed not to send Telex and Fax quotations. Such quotations/offers will not be accepted.
13. **Suitable sample free of cost where called for will be supplied by the firm free of cost.**
14. HIT reserves its right to cancel the bidding process with reason but without any obligation to justify such a reason.
15. The stores are required to be delivered at Taxila Cantt (HIT DESCOM Factory) within contract period from the date of signing the contract.
16. Offered price quoted **must be final** and inclusive of all Taxes, packing, handling charges, Installation & Commissioning charges if required.
17. Offers must remain valid for **90 days** from the date of opening of the tender. In case of validity of offer not defined / less than 90 days by the firm, then offer will be considered validity **90 days** by this org.
18. This inquiry may not be taken as an indication of subsequent supply order and does not in any way commit HIT to purchase the items offered.
19. Warranty period will be **one year** from the date of issuance of CRV of the stores.
20. In case of failure to supply the stores/machine items within stipulated period **liquidated damages** at following rate of % against total contract value amount (1% for first 21 days and 2% after that not exceeding to max value of 10% value of goods).
21. HIT reserves the right to increase/decrease the quantity of items, placed on the tender without any reference to the firm.
22. The net offered price must be inclusive of all / taxes as imposed by Government of Pakistan. The offers without mentioning of any taxes will be **considered inclusive** of taxes as imposed by govt of Pakistan against **store / services**.
23. In case of any dispute regarding the terms and conditions and the quality of stores, the decision of the Chairman HIT will be considered as final and binding on the suppliers/firms.
24. In case your firm fails to execute the order within the stipulated time and does not materialize the supply of ordered stores, the supply order/contract will be cancelled at your **Risk and Expense**. Expense expenditure incurred on the repurchase of offered stores will be recovered from your firm under existing procedures.
25. Inspection of the stores will be carried out at HIT Taxila Cantt.
26. If the store does not fulfill the tender requirements/standard specifications after being **LOWEST** then the **next lowest offer** will be considered. HIT may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The HIT shall upon Request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposal, but is not required to justify those grounds.
27. **Conditional offers will not be accepted.**
28. In case of **electrical and electronics** equipment warranty period may also be mentioned in technical quotation irrespective of prices (otherwise warranty period will be consider 1x year).
29. In case you do not wish to quote the rates please return the tender documents duly signed and stamped at your earliest.
30. Firms having excellent past record of supply / experience with DESCOM Factory as far as quality and timely provision of store is concerned will be given preference.

COUNTRY OF ORIGIN

31. All countries except India, Israel and Taiwan.

Deposit of 5% Performance Bank Guarantee (BGs Against Contract till Warranty Period)

32. The successful bidder shall furnish a (5% for Registered firms in HIT) Bank Guarantee within one month from the date of signing of the contract from scheduled bank in Pakistan against the total value of contract excluding Taxes / duties in the shape of CMA HIT Taxila Cantt. This Bank Guarantee must remain valid for 12 x months after the store are put in operation. BG will be released after completion of warranty period of store .i.e One year (Min).

TERMS OF PAYMENT

33. Payment will be made by the CMA (HIT) Taxila Cantt against pre-receipted bill (duly affixed with revenue stamp) along with professional tax certificate (Photo copy attested) of the supplier after delivery and acceptance of stores.
34. Part payment of part delivery is allowed.
35. The payment to the registered persons may be linked with the active taxpayer status of the suppliers as per FBR database. If any registered supplier is not in ATL his payment should be stopped till the files his mandatory returns and appears on ATL of FBR.
36. No Advance payment in any condition.
37. Bill will be processed after the date of accepted store and CRV. (Subject to condition functional test for electrical /Electronics store).
38. Bill will be processed after received of acceptance on the basis of complete installation / up gradation and commissioning of subject machine by user.

ELIGIBILITY CRITERIA

39. No firm will quote more than **1 x brand otherwise Quotation will be consider rejected / ignore** at bidding stage. (Technical opening)
40. Offers of those firms will be **rejected** which is still having ending supplies of the contracted stores **beyond respective DPs** against previous contracts and return of sample issued against previous contracts of DESCOM.
41. Non mentioning of **country** and **Brand** in Quotation then Quotation will be rejected in technical scrutiny.
42. In case of indigenously locally manufactured items, should have capacity to manufacture desired number of parts. Capacity for manufacturing of parts will be verified by team ex DESCOM during Technical scrutiny of offers **if required**.
43. Confirmation of Delivery of store is **45 x Days** after signing of contract which may be confirmed in technical quotation otherwise offer will be rejected at the time of opening of technical quotation.
44. Firm should not be black listed or defaulted any ware within or outside Pakistan this regard firm should provide " No Black Listing / defaulting Cert" (affidavit on Judicial stamp duly attested by notary public to be provided).
45. Only registered supplier / person who are on Active Taxpayer List (ATL) of FBR an eligible to supply goods/services to government departments. Thus the bidders will submit certificate to this regard along with technical **bid**.
46. Professional / Trade Tax clearance certificate for CFY 2023-2024 duly stamped by Excise & Taxation department may be provided with Technical Quotation by the Bidder.

47. Firm with excellent record of supply / past experience with DESCOM as far as quality and timely provision of store is concerned will be given preference. Participating firms should not have defaulted in any contract with defense Organization.

EVALUATION CRITERIA

48. Firm quoted specs must be 100% same as demanded in IT otherwise rejected in technical evaluation.

49. Expertise may be determined on the basis of general/Specific Experience and past Performance (may be demanded if required by HIT).

WM
DAD Proc (D)
(Engr. Imtiaz Ali)