



HEI - HRL Joint Venture



PURCHASE ORDER (MATERIAL)
NTN - HEI - HRL JV : 7112662-7
STRN: 3277876113036

VENDOR NAME: IMPEX POWER SOLUTION FZ LLC
ADDRESS: PO Box 235284, Dubai AE, www.impexpower.com
 info@impexpower.com Phone: +97142237203

Copies to:
 1. General Accounts
 2. Material Warehouse

HEI-HRL JV - SPF/01/2022

Order number must appear on all documents and packages pertaining on this order.

Delivery Date: (As per shared quote ref: IMPS 2022-GEN QTN 100003 - R 5)

Sr. #	Part Description/ Details	Part Number	Make	Quantity	UoM
1	HP Attenuator SPRAY CYLINDER Nozzle Piston ring piston FASTENER RING STEM SPACER Gasket PACKING SET GLAND STUD NUT GASKET	Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 1 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 2 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 3 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 4 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 5 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 7 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 12 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 13 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 15 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 17 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 33 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 34 Yarway No. 2120634, Serial No. 1082 & 1083, Drawing No. D2120634-110, Model 54 Desuperheater, DRW POS No. 35	Pentair Yarway	1	SET
2	Pneumatic Ball Valve, Emergency blowdown from HP Drum Complete Valve	Drawing no. CH16049-01, Dia: Ø61.6, V1P9STD01SW-2, Class: ANSI 1500#, MTL:A105 <u>Drawing no. CH16049-02, Dia: Ø49.15, V1P9STD01SW-1.5, Class: ANSI 1500#, MTL:A105</u>		1	SET
3	Pneumatic Ball Valve, HP SHTR1 drain Pneumatic Ball Valve, Line from HP SHTR1-HP SHTR2 <u>Drain Complete valve</u>	Drawing no. CH16049-03/4, Dia: Ø34.30, V1P0STD03SW-1, Class: ANSI 2500#, MTL:F22 Cl.3/A182		2	EA
4	Pneumatic Ball Valve, Line from HP SHTR2-HP SHTR3 <u>Drain Complete valve</u>	Drawing no. CH16049-05/6, Dia: Ø34.30, V1P0STD04SW-1, Class: ANSI 2500#, MTL:F91/A182	VOLK Valves	3	EA
5	Pneumatic Ball Valve, Outlet HP SHTR3 main steam line <u>Vent Complete valve</u>	Drawing no. CH16049-07, Dia: Ø114, V1PDSTD04BW-4, Class: ANSI 3200#, MTL:F91/A182		3	EA
6	Pneumatic Ball Valve, Outlet HP SHTR3 main steam line <u>Drain Complete valve</u>	Drawing no. CH16049-08, Dia: Ø34.30, V1PDSTD04SW-1, Class: ANSI 3200#, MTL:F91/A182		1	EA
7	Pneumatic Ball Valve, Line RH2 -RH3 <u>Drain Complete valve</u>	Drawing no. CH16049-14/15, Dia: Ø34.30, V1P6STD04SW-1, Class: ANSI 600#, MTL:F91/A182		2	EA
8	Expansion bellow dn2800CT ACW interconnecting MOV expansion bellow OT ACW interconnecting MOV expansion bellow	Rubber Expansion bellow, DN2800 with flanges (nuts/studs)	Beijing Zhonghai Environmental Protection Technology	1	EA
9	HP Superheater PSVValve Assembly	Type: 1736WH-2-S-103-F3	Dresser	1	EA
10	HP Startup Vent ValveValve Assembly	V1PDSTD04BW-4	VOLK Valves	1	EA

11	A1MAN10AA411 A2LBA10AA415 A1LBA10AA413 A1LBA10AA411HRSG-1 ATM Vessel valve (HP bypass drain v/v) HRSG-2 ATM Vessel valve (HP bypass drain v/v) DRN V/V before H1 HRH steam DRN V/V 1 before ST HP steam	Globe Valve With Pneumatic Actuator, DN40, CL2500, MTL:A182 F92 Inlet: 48.3X10.15, Outlet: 60.3 X 11.07, Company: Decon Valves	Decon	4	EA
	A1LBA21AA201IP Startup Vent Valve	VALVE BALL PNEUMATIC,DIA: Ø88.9,CLASS:ANSI 600#,MTL:A105 P/N:V1P6STD01BW-3 FOR HRSG MFG:VOLK VALVE	Volk	1	EA
	A1LBC52AA502HRH Drain Valve	VALVE GLOBE MANUAL, DN25, CLASS:1500, MFG: SHANGHAI	Shanghai	1	EA
	A1LBA11AA201HP IBD Drain valve	VALVE GLOBE MANUAL, DN40, CLASS:1500, MFG: SHANGHAI		1	EA
	A1HAD11AA401HP Drain Valve	VALVE GLOBE MANUAL, DN25, CLASS:2500, MFG: SHANGHAI		1	EA
12	A2MAN10AA411 A2LBA10AA411 A1LBA10AA413HRSG-2 ATM Vessel valve (HP bypass drain v/v) HRSG-2 ATM Vessel valve (HP system drain v/v) HRSG-1 ATM Vessel valve (HP bypass drain v/v)	Globe Valve With Pneumatic Actuator, DN40, CL2500, MTL:A182 F92 Inlet: 48.3X10.15, Outlet: 60.3 X 11.07, Company: Decon Valves	Decon	3	EA
	A2LBB10AA411HRSG-2 ATM Vessel Valve (HRH drain v/v)	Globe Valve With Pneumatic Actuator, DN40, CL900, MTL:A182 F92 Inlet: 48.3X7.14, Outlet: 60.3 X 7.14, Company: Decon Valves		1	EA
	A2LBC52AA502HRH Drain Valve	VALVE GLOBE MANUAL, DN25, CLASS:1500, MFG: SHANGHAI	Shanghai	1	EA
	A2LBA11AA201HP IBD Drain valve	VALVE GLOBE MANUAL, DN40, CLASS:1500, MFG: SHANGHAI		1	EA
13	GLS SEG ADM VRange: 2.03~3.01 barg Supply: 4 barg Air to open	88-41035	GE Masoneilan / Dresser	1	EA
14	GLS SEG ADM V	Model: 2111321+F22		2	EA
15	Gland Seal Steam Control ValveRange: 0.21~1.03 barg Supply: 1.38 barg Air to close	27-28142		2	EA
16	Pressure RegulatorP1 MAX 1.5 Mpa P2 35-700 kPa	78-40		1	EA
17	Solenoid Valve230V50/60Hz ASCO Joucomatic	SCG551A005MS P/N: 400127-097 MDL# MP-C-165	ASCO	1	EA
18	Pressure Regulator0.5~1.0 G 1/4	VFR 23	Riegler	3	EA
19	Directional ValveP MAX 10 bar	G551A005 MS	ASCO	1	EA
20	POS DRNV CRH LINESPRING TO OPEN AIR PRESS: 5.5~10 bar Max Air Pressure 10 bar	PA3240S0002200A Type: 320/40 STO	HP VALVES	1	EA
21	POS DRNV CRH LINESC.8.551.A.005 MS (220 VDC)	SCX8551A005MS	ASCO	1	EA
22	3/2DIRECTIONAL VALVE NG10WNR: R900991979 FD: 15W46	M-3 SED 10 CK13/350 C G240 N9K4	Bosch Rexroth	3	EA
23	Level-Temperature ControlPos. 3	61-3-MS-S6/350-2K-LC1 L = 350mm with LC1 K10/L1=230 mm NO / L2=270mm NO	Bühler	1	EA

24	3/2 Way Seat ValvePos. 23a	correct part no: WSMO3230C-01-C-V-24DG	Hydac	2	EA	
25	2/2 Way Valve +MNR: R900912655 Pmax = 420 BAR	LFA 16 H2-71/F		1	EA	
26	Proportional ValvePos. 27 Pmax = 350 bar	WDPFA06-ACB-S-5-G24/WD	Wandfluh	2	EA	
27	Proportional ValvePos. 29	WDPFA06-ACB-S-32-G24/WD		1	EA	
28	Solenoid Valve	WDE64/31x72 U = 24VDC, S1=100%ED		1	EA	
29	MFC3000-PROFIBUS COMM CARD MONO PORT	C0407350	HILSCHER	1	EA	
30	Pneumatic Piston Type ActuatorStroke 90mm, Max Supply: 6 bar, Temp: - 30~70°C, Spring: Air Fail Close	Model: 20	Pentair	1	EA	
31	Solenoid Valve11.2 Watts, 24VDC, ORF 16mm, Pipe 1/2"	NF8316A004	ASCO	2	EA	
32	Control Valve PositionerP/N: D3E-30-H	D3ENU-K39PVA-Z5TM	FLOWERVE	2	EA	
33	Solenoid Valve1.8 Watts, 24VDC, ORF 6mm, Pipe: NPT 1/4"	NF8551A322MO	ASCO	2	EA	
34	Solenoid Valve11.2 Watts, 24VDC, ORF 5.7mm, Pipe: NPT 1/4"	NF8327B012		1	EA	
35	Position Monitoring Switch2 X SPDT Connection 2 NPT 3/4"	ITS-300	I-TORK CONTROLS	1	EA	
36	Network Switch Catalyst 2960-X Series CATALYST 2960S 24 GIGE	WS-C2960X-24TS-L V03	CISCO	2	EA	
37	Network Switch Catalyst 3750-X SeriesCATALYST 9300 SWITCH C9300-24S-A	WS-C3750X-24S-S V05		2	EA	
38	NTP SERVER 6021046-10	LANTIME M300 6021046-10	MEINBERG	2	EA	
39	Integrated Services Router	C892FSP	CISCO	2	EA	
40	GCV LVDT Isolated Power Supply	QUINT-PS/24DC/24DC/5/00	Phoenix Contact	2	EA	
41	Termination Board, AO	IS200STAOH2A	Bently Nevada	1	EA	
42	Termination Board, VIB	IS200TVBAH2A		1	EA	
43	Termination Board, PDM IS400JPDMG1A	IS400JPDMG1A		1	EA	
44	Termination Board, PDH IS400JPDHG1A	IS400JPDHG1A		1	EA	
45	WNPS DaughterboardWNPS Daughterboard	IS200WNPSH1A		1	EA	
46	MOXA FOCCONVERTER	PTC-101-S-LC-LV		1	EA	
47	QUINT-DIODE/40QUINT-DIODE/40 2938963	369B1794P1205		1	EA	
48	3500 Bently Monitoring Rack AC Power Supply	3500/15		1	EA	
49	Power Supply for GCV LVDT	CPS20.241-D1	PULS	1	EA	
50	VALVE CONTROLVALVE CONTROL MDL:1210P-64-16B DIA:20X10 PRESS:1.6MPA,ST:16MM,1.6KV,R:40- 200KPA,AIR:0.26MPA,BODY:CF8	1210P-64-16B	Zhejiang Zhijie Valve Industry Co., Ltd	1	EA	
51	SYNC. VOLTAGE TRANSFORMER110- 110/sqr3 (2 primary):100 V (secondary), 15VA, Cl1.	TV20	FRER	1	EA	
52	Three pole limit switches Protection: IP40	114FCT21	General Electric	1	EA	

53	Contactora 1000V AC/440 DC,200A, 1P NO, In=125A, Us	CV3BG1ROZMR10	Schneider Electric	4	EA	
54	Power supply	P9PDNVO	General Electric	1	EA	
55	REED RELAYHM24-1A69-150-UL 24VDC 1S	PC000049725	GE SEMIPOL	1	EA	
56	Hall Probe sensor 400Amp	HCO D40	General Electric	1	EA	
57	Diode Bridge 35 Amp 36MB 40 A		General Electric	1	EA	
58	DC/DC-CONVERTERMINI-PS-12-24DC/48DC/0,7	PLB029-389 891	GE SEMIPOL	1	EA	
59	Control cardP=2.3kW CURRENT= 6.0 A Cosφ = 0.72 SPEED= 2800 rpm	Sr# AD0L090-2-2.30 Com No. 13376251 (card # 008.1 and 009.0)	AUMA	2	EA	
60	Control cardP= 0.70kW A= 3.0 amp Cosφ= 0.54 Speed= 2800 rpm	Sr # AD00071-2-0.70 Com No. 13375494 (card # 002.3, 008.1 and 009.0)	AUMA	2	EA	
61	Control cardP= 2.10 kW A= 3.70 amp Torque= 475 Nm speed= 48 rpm	SR# UE48180103	ROTORK CONTROLS LIMITED	2	EA	
62	Control cardP=4.8kW A=25 amp RPM= 72 Torque =1020 Nm	Sr # 160339803	RAGA	2	EA	
63	Control cardP= 4,8 kW A=25 A RPM= 78 Torque =1080 Nm	Sr # 160339806		2	EA	
64	Control cardP=0.40 kW A=1.6 amp RPM= 2800	Sr # AD00063-2-0.40 Com No. 13359523 (card # 006.0, 008.0 and 009.0)	AUMA	1	EA	
65	Control cardP=6.80 kW A=13.80 amp RPM= 36 Torque =1300Nm	Sr # A80070372693	AUTORK	1	EA	
66	Control cardP=2.2 kW A=5.90 amp RPM= 48 Torque =240Nm	Sr # A80025388273		1	EA	
67	Control cardP=4.53 kW A=5 amp RPM= 96 Torque =365Nm	Sr # A80035390052		1	EA	
68	Control cardP=14.5 kW A=32 amp RPM= 24	Sr # A80095371652		2	EA	
69	Control cardP=3.68 kW A=8.60 amp RPM= 36 Torque =550Nm	Sr # A80035390065		1	EA	
70	Control cardP=3.68 kW A=8.60 amp RPM= 36 Torque =1080 Nm	Sr # A80035390060		2	EA	
71	Control cardP=13.6 kW A=26 amp RPM= 36 Torque =2500 Nm	Sr # A80090372502		1	EA	
72	Control cardP=0.68 kW A=5.5 amp RPM= 24 Torque =400 Nm	Sr # 170147502	RAGA	1	EA	

73	Control cardP=7.5 kW A=15.8 amp RPM= 48	Sr # A80040374896	AUTORK	2	EA
74	Control cardP=9.95 kW A=21 amp Torque =745 Nm RPM= 96	Sr # A80090372504		1	EA
75	Control cardP=0.12 kW A=0.7 amp RPM= 2800	Sr # 3716MM98119 Com No. 13360408 (card # 006.0 and 009.0)	AUMA	1	EA

USD

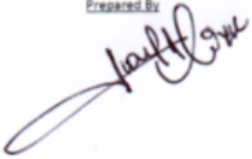
PAYMENT TERMS :

* 50% Advance of the total order value and 50% balance upon receiving of complete material and inspection accordingly.

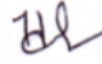
Note:

- 1 Submit original invoice signed & stamped through courier and in scan also. Please mention Specific Bank Account Number on issued Invoice.
Attention To : HEI - HRL JV , mention supplier & buyer GST / NTN details on invoice
- 2 Order is based on your quotation/invoice # IMPS 2022-GEN QTN 100003 - R 5 with 2.1356% discount flat shared on email dated 20th June, 2022
- 3 Custom Clearance and other taxes if any are to be borne by IMPEX SOLUTIONS
- 4 Delivery of material is till BHIKKI Site
- 5 All import documents for supplied material to be shared as a record along with certificates of certified and authentic material where applicable

Prepared By



Reviewed By



Approved By





IMPEX POWER SOLUTIONS

Ref : IMPS 2022-TECH ACKL 100211
Date : 22nd June 2022

To,

Yusuf Ali,
Manager- Procurement
Harbin Electric International Company LTD
1180MW-CCPP, Bhikki Power plant O&M
Ph: +92 301 829 4860
Email: yalik@hei-om.com

Subject: Acknowledge for purchase order

Ref : 1. Your Purchase order Number : **HEI - HRL JV PO - SPF/01/2022 Dated 21st June 2022**
: 2. Our Final quotation No: IMPS 2022-Gen-QTN-100003-R5 Dated 17th June 2022

We acknowledge the receipt of your purchase order HEI - HRL JV PO - SPF/01/2022 Dated 21st June 2022 and we herewith confirm our acceptance for the same. Meanwhile we invite your kind attention to the followings

SI Number as per Purchase order	Clarification required	SI No as per our quotation	Clarification required
41,42,43 & 44	Part number mismatch as per enquiry	50,51,52 and 53	Please confirm the quoted si numbers and given part numbers are same.
SI No: 47	Clarification required in Make: As per enquiry - Phonics contacts In PO, brand name mentioned is deferent (SI No: 56	Quoted brand is Phonics contacts
SL No 63	As per your enquiry, quantity mentioned is 1.	SI No: 72	As per our previous correspondence, the quantity mentioned was only one. Hence we consider this as a typo error in the purchase order

Thank you very much for giving us this opportunity and we assure our best service at all time

For Impex power solutions Fz LLC,


DEEPAK SHETH
MANAGING DIRECTOR
+971528840409



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