



Boiler Auxiliaries Plant
Bharat Heavy Electricals Limited
Ranipet - 632406, Tamilnadu, INDIA.

Enquiry No. : 2790800E

Date: 21.09.2019

Specification cum Compliance Certificate for Hydraulic Nut for Max. Press. of 80 Mpa and Oil injection Kit for Max. Press. of 300 Mpa

Notes:-

1. The 'MAKE/ ORDER CODE Offered', 'OFFERED QTY' Columns 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.

2. The offer and all documents enclosed with offer should be in English language only.

Name & Address of the supplier:		Name & Address of the Indian Agent:supplier:	
Tele. No.		Tele. No.	
Fax No.:		Fax No.:	
e-mail		e-mail	

Scope: Supply, Installation & Commissioning of Hydraulic Nut for Max. Press. of 80 Mpa and Oil injection Kit for Max. Press. of 300 Mpa complying with the following specification

SL. NO.	DESCRIPTION: BHEL REQUIREMENT		BIDDER'S RESPONSE
1.0	PRE-QUALIFICATION CRITERIA :		
1.1	Only those bidders who have supplied atleast 1 No. of Hydraulic Nut of similar OR higher capacity OR offered model in last 5 Years (On the date of opening of tender) are eligible to quote. (Proof must be submitted alongwith technical bid)		
1.2	Along with the technical offer the following information should be submitted by the vendor about the companies where similar Equipment has been supplied. a) Name of the customer / company where installed. b) Complete postal address Phone, FAX no. and email address of the contact person of the customer. c) Month & Year of supply d) Parameter of the equipment(s) supplied and application for which the machine is supplied.		
1.3	Authorization certificate: Only the original equipment manufacturer or their authorized Agents / distributors / dealers are eligible to quote. Along with the offer valid authorization certificate from the original equipment manufacturer should be submitted if the offer is submitted by an Agent / distributor / dealers.		
1.4	The Technical Offer shall be supported by Product Catalogue, Data Sheets and complete technical details / literature on the quoted models of the item/ equipment.		
2.0	TECHNICAL SPECIFICATION		
2.1	Oil Injector for maximum pressure of 300 MPa (43500 PSI) or more, Volume per stroke 0.23 cubic centimeter or more, oil container capacity 200 cubic centimeter or more, cycle life at max. pressure greater than or equal to 100000 cycles, weight should be less than 2.5kg.	1 No.	
2.2	Adapter Block for Max. pressure of 400 MPa (58000 PSI) or more, weight less than 2.8kg.	1 No.	
2.3	Pressure Gauge for max. pressure of 300 Mpa (43500 PSI) & accuracy of 1% in full scale.	1 No.	
2.4	High pressure pipe for max. pressure of 300 MPa (43500 PSI), length 2000mm, with minimum bending radius of 50mm, connections suitable to the above system.	1 No.	
2.5	Carrying case suitable to the above system.	1 No.	
2.6	Connection nipples G1/4" - 1/8"	2 Nos.	
2.7	Connection nipples G1/4"-1/2"	2 Nos.	



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2.8	Connection nipples G1/4"-3/4"	2 Nos.	
2.9	Hydraulic Nut for Maximum Oil pressure 80 Mpa (11600 PSI), Thread size Tr240x4 , Permitted piston displacement of 10mm . Weight less than 20kg suitable for the above oil injector system with O-ring, Ball plug, Quick connection nipple & maintenance kit.	2 Nos.	
3.0	INSTALLATION & COMMISSIONING		
3.1	Installation & Commissioning of all supplied machines to be included in bidder's scope of supply. Installation, Commissioning and Performance prove out of the offered equipment at BHEL works, by the supplier's representative. Transport, Boarding & Lodging charges shall be taken care by the vendor.	Bidder to confirm.	
3.2	Charges, Duration, Terms & Conditions for Installation & Commissioning should be furnished in detail separately by vendor along with offer.	Bidder to confirm.	
3.3	Bidder to submit all relevant catalogue, General Arrangement Drawing and Electrical Circuit Drawing alongwith the offer.	Bidder to confirm.	
3.4	O&M Manuals: 3 Sets (Hard Copy) of Operation & Maintenance manuals shall be supplied along with each machine.	Bidder to confirm.	
3.5	Schedule of Installation and Commissioning shall be submitted alongwith the offer.	Bidder to confirm.	



Item Annexure for Enquiry no 2790800E/21.09.2019

Sl no	Material Code	Item Description	Quantity (No)	Quoted/ Not Quoted
1	IM8297401500	Oil Injector for maximum pressure of 300 MPa (43500 PSI) or more, Volume per stroke 0.23 cubic centimeter or more, oil container capacity 200 cubic centimeter or more, cycle life at max. pressure greater than or equal to 100000 cycles, weight should be less than 2.5kg.	1 No.	
2	IM8297401600	Adapter Block for Max. pressure of 400 MPa (58000 PSI) or more, weight less than 2.8kg.	1 No.	
3	IM8297402100	Pressure Gauge for max. pressure of 300 Mpa (43500 PSI) & accuracy of 1% in full scale.	1 No.	
4	IM8297401700	High pressure pipe for max. pressure of 300 MPa (43500 PSI), length 2000mm, with minimum bending radius of 50mm, connections suitable to the above system.	1 No.	
5	IM8297401400	Carrying case suitable to the above system.	1 No.	
6	IM8297401800	Connection nipples G1/4" - 1/8"	2 Nos.	
7	IM8297401900	Connection nipples G1/4"-1/2"	2 Nos.	
8	IM8297402000	Connection nipples G1/4"-3/4"	2 Nos.	
9	IM8297402310	Hydraulic Nut for Maximum Oil pressure 80 Mpa (11600 PSI), Thread size Tr240x4 , Permitted piston displacement of 10mm . Weight less than 20kg suitable for the above oil injector system with O-ring, Ball plug, Quick connection nipple & maintenance kit.	2 Nos.	
10	-----	Installation and Commissioning of sl no 01 to 09 as detailed in technical specification	1	

Sl no 01 to 10 will be procured as a set. Summation cost of all above sl nos. will be deciding factor for L1 (sl no. 01 to sl no. 10).

Signature and Office Seal of Vendor



Price Bid Format for Enquiry no 2790800E/21.09.2019

Sl no	Material Code	Item Description	Quantity (No)	<u>Unit Price in INR</u>
1	IM8297401500	Oil Injector for maximum pressure of 300 MPa (43500 PSI) or more, Volume per stroke 0.23 cubic centimeter or more, oil container capacity 200 cubic centimeter or more, cycle life at max. pressure greater than or equal to 100000 cycles, weight should be less than 2.5kg.	1 No.	
2	IM8297401600	Adapter Block for Max. pressure of 400 MPa (58000 PSI) or more, weight less than 2.8kg.	1 No.	
3	IM8297402100	Pressure Gauge for max. pressure of 300 Mpa (43500 PSI) & accuracy of 1% in full scale.	1 No.	
4	IM8297401700	High pressure pipe for max. pressure of 300 MPa (43500 PSI), length 2000mm, with minimum bending radius of 50mm, connections suitable to the above system.	1 No.	
5	IM8297401400	Carrying case suitable to the above system.	1 No.	
6	IM8297401800	Connection nipples G1/4" - 1/8"	2 Nos.	
7	IM8297401900	Connection nipples G1/4"-1/2"	2 Nos.	
8	IM8297402000	Connection nipples G1/4"-3/4"	2 Nos.	
9	IM8297402310	Hydraulic Nut for Maximum Oil pressure 80 Mpa (11600 PSI), Thread size Tr240x4, Permitted piston displacement of 10mm. Weight less than 20kg suitable for the above oil injector system with O-ring, Ball plug, Quick connection nipple & maintenance kit.	2 Nos.	
10	-----	Installation and Commissioning charges of sl no 01 to 09 as detailed in technical specification	1 Set	
11	GST extra on sl no. 01 to 09 (Supply) in percentage			
12	GST extra on sl no. 10 (Commissioning) in percentage			

Sl no 01 to 10 will be procured as a set. Summation cost of all above sl nos. will be deciding factor for L1 (sl no. 01 to sl no. 10).

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