

 Boiler Auxiliaries Plant, Bharat Heavy Electricals Limited, Ranipet - 632406, Tamilnadu, INDIA.		Enquiry No.: 2790696E	
		Dated: 29.08.2019	
Specification cum Compliance Certificate for Hydraulic Nut & Oil Injection Kit			
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:			
Tele. No. :			
Fax No. :			
E-mail :			
Scope: Supply, Installation & Commissioning of Hydraulic Nut & Oil Injection Kit 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 & Oil Injection Kit in India of Any Capacity 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 offer the following information should be submitted by the vendor about the companies where similar equipment/ item 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		
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 specification of required item provided with tender documents shall be duly filled, signed & submitted along with the offer. Bidder to also furnish the product catalogue of quoted models of item/ equipment.		
2.0	TECHNICAL SPECIFICATION :		
2.1	Oil Injector for maximum pressure of 300MPa (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.	2 Nos.	
2.2	Adapter Block for Max. pressure of 400MPa (58000 PSI) or more, weight less than 2.8kg.	2 Nos.	
2.3	Pressure Gauge for max. pressure of 300Mpa (43500 PSI) & accuracy of 1% in full scale.	2 Nos.	
2.4	High pressure pipe for max. pressure of 300MPa (43500 PSI), length 2000mm, with minimum bending radius of 50mm, connections suitable to the above system.	2 Nos.	
2.5	Carrying case suitable to the above system.	2 Nos.	
2.6	Connection Nipples G1/4" - 1/8"	2 Nos.	
2.7	Connection Nipples G1/4"-1/2"	2 Nos.	
2.8	Connection Nipples G1/4"-3/4"	2 Nos.	
2.9	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 PSI), Thread size Tr260x4 , Permitted piston displacement of 11mm . weight less than 20kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 Nos.	

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2.10	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 PSI), Thread size Tr300x4 , Permitted piston displacement of 14mm . weight less than 26kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 Nos.	
2.11	Hydraulic Nut for Maximum Oil pressure 30 Mpa (4350 PSI), Thread size Tr360x5 , Permitted piston displacement of 15mm . weight less than 36kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 Nos.	
2.12	Hydraulic Nut for Maximum Oil pressure 30 Mpa (4350 PSI), Thread size Tr460x5 , Permitted piston displacement of 17mm . weight less than 60kg 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 item/ equipment's 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.		
3.2	Charges, Duration, Terms & Conditions for Installation & Commissioning should be furnished in detail separately by vendor along with offer.		
3.3	Bidder to submit all relevant catalogue, General Arrangement Drawing and Electrical Circuit Drawing alongwith the offer.		
3.4	O&M Manuals: 3 Sets (Hard Copy) of Operation & Maintenance manuals shall be supplied along with each item/ equipment.		
3.5	Schedule of Installation and Commissioning shall be submitted alongwith the offer.		



Item Annexure for Enquiry no 2790696E/29.08.2019

Sl no	Material Code	Item Description	Quantity (No)	Quoted/ Not Quoted
1	IM8297401500	Oil Injector for maximum pressure of 300MPa (43500 PSI) or more, Volume per stroke 0.23 cubic centimetre or more, oil container capacity 200 cubic centimetre or more, cycle life at max. pressure greater than or equal to 100000 cycles, weight should be less than 2.5kg.	02	
2	IM8297401600	Adapter Block for Max. pressure of 400MPa (58000 PSI) or more, weight less than 2.8kg.	02	
3	IM8297402100	Pressure Gauge for max. pressure of 300Mpa (43500 psi) & accuracy of 1% in full scale.	02	
4	IM82908000	High pressure pipe for max. pressure of 300MPa (43500 psi), length 2000mm, with minimum bending radius of 50mm, connections suitable to the above system.	02	
5	IM8297401400	Carrying case suitable to the above system.	02	
6	IM8297401800	Connection nipples G1/4" - 1/8"	02	
7	IM8297401900	Connection nipples G1/4"-1/2"	02	
8	IM8297402000	Connection nipples G1/4"-3/4"	02	
9	IM8297403200	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr260x4 , Permitted piston displacement of 11mm . weight less than 20kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	02	
10	IM8297403300	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr300x4 , Permitted piston displacement of 14mm . weight less than 26kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	02	
11	IM8297403400	Hydraulic Nut for Maximum Oil pressure 30 Mpa (4350 psi), Thread size Tr360x5 , Permitted piston displacement of 15mm . weight less than 36kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	02	
12	IM8297403500	Hydraulic Nut for Maximum Oil pressure 30 Mpa (4350 psi), Thread size Tr460x5 , Permitted piston displacement of 17mm . weight less than 60kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	02	
13	Erection commissioning charges lumpsum for (<u>Sl no 01 to 12</u>) in INR			

Sl no 01 to 13 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. 13).

Signature and Office Seal of Vendor



Price Bid Format for Enquiry no 2790696E/29.08.2019

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13	Erection commissioning charges lumpsum for <u>(Sl no 01 to 12) in INR</u>			
14	GST on sl no. 01 to 12(Supply) in percentage			
15	GST on sl no. 13 (Erection and Commissioning) in percentage			

Sl no 01 to 13 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. 13).

Signature and Office Seal of Vendor