

SPECIFICATION FOR HYDRUALIC NUT & OIL INJECTION KIT					
 Boiler Auxiliaries Plant, Bharat Heavy Electricals Limited, Ranipet - 632406, Tamilnadu, INDIA.		Enquiry No. & Dt.:		2761324E	
		Due date:		17.01.2017	
		Suppliers Ref.:			
		Date:			
Specification cum Compliance Certificate for Oil injection kit & Hydraulic Nuts for the max. pressure of 300 Mpa					
Note:-					
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:		
Telephon e No.			Telephone No.		
Fax No.:			Fax No.:		
e-mail			e-mail		
Scope: Supply of Oil injection kit & Hydraulic Nuts for the max. pressure of 300 Mpa complying with the following specification					
S No.	Description - BHEL's Requirement	SPECIFIED QTY	MAKE / ORDER CODE OFFERED	OFFERED QTY	Deviation/ Remarks(If any)
1.0 Scope of supply:					
1.1	Supply of Oil injection kit & Hydraulic Nuts for the max. pressure of 300 Mpa, Equivalent SKF Limited order code: 729101B, HMV 20E, HMV 24E, HMV28E, HMV32E,HMV36E,HMV40E, HMV44E, HMV 48E & HMV 56E at BHEL/Ranipet complying technical specification of the comprising components as given below				
2.0 Technical Specification of the comprising Components					
2.1	Oil Injector for maximum pressure of 300MPA (43500 psi) or more, Volume per stroke 0.23 cubic centi meter 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.	3NO'S			
2.2	Adapter Block for Max. pressure of 400MPa (58000 psi) or more, weight less than 2.8kg.	3 NO'S			
2.3	Pressure Gauge for max. pressure of 300Mpa (43500 psi) & accuracy of 1% in full scale.	3 NO'S			
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.	3 NO'S			
2.5	Carrying case suitable to the above system.	3 NO'S			
2.6	Connection nipples Suitable to the above system,	3 SET'S			
2.7	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M100x2 , Permitted piston displacement of 5mm. weight less than 5 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.8	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M120x2 , Permitted piston displacement of 5mm. weight less than 5.5 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.9	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M140x2 , Permitted piston displacement of 5mm. weight less than 6.5 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.10	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M160x3 , Permitted piston displacement of 6mm. weight less than 7 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.11	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M180x3 , Permitted piston displacement of 6mm. weight less than 10kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.12	Hydraulic Nut for Maximum Oil pressure 60 Mpa (8700 psi), Thread size M200x3 , Permitted piston displacement of 8mm. weight less than 12kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			

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2.13	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr210x4 , Permitted piston displacement of 9mm. weight less than 13kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.14	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr220x4 , Permitted piston displacement of 9mm. weight less than 14kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.15	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr240x4 , Permitted piston displacement of 10mm. weight less than 17 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
2.16	Hydraulic Nut for Maximum Oil pressure 40 Mpa (5800 psi), Thread size Tr280x4 , Permitted piston displacement of 12mm. weight less than 23 kg suitable for the above oil injector system with O-ring, Ball plug , Quick connection nipple & maintenance kit.	2 SET			
OTHER TERMS & QUALIFYING CRITERIA					
3.0	Catalogue & Drawings:		VENDOR ACCEPTANCE		
3.1	Relevant catalogue copy & drawings to be submitted along with the offer.				
4.0	Prove Out				
4.1	The equipment prove out at the specified pressure is required for the acceptance of supply				
5.0	O & M Manuals:				
5.1	2 Copies of Operation & Maintenance Manuals shall be supplied along with the supply				
6.0	Performance Guarantee:				
6.1	The Performance of the equipment shall be guaranteed for a minimum period of 12 months from the date of acceptance at BHEL Works.				
7.0	Estimated delivery period :				
7.1	Delivery period for supply as 3 Months from the date of P.O				