

Specification No.	7194
Item No.	
Location	ME-1/3/2744
QUANTITY	LOCO
SCOPE:	01 NO.

DESIGN,SUPPLY, INSTALLATION & COMMISSIONING OF RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING AS PER SPECIFICIFICATION

- NOTE:**
1. VENDOR must submit complete information against clause No. 10.0 (Qualifying condition). The offer meeting would only be processed.
 2. The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the Vender and to be submitted along with the offer. Technical details are also required to be submitted along with the offer. Inadequate / incomplete, ambiguous/ unsustainable information against any of the clauses of the specification / requirements shall be treated as non -Compliance
 3. The offer and all documents enclosed with offer should be in English language only.

DESIGN,SUPPLY, INSTALLATION & COMMISSIONING OF RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING. AS PER SPECIFICIFICATION

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFY /CONFIRM BY VENDOR	OFFERED	DEVIATIONS
1	PURPOSE			
	RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING is required for the heating of job (Max. dia 600 MM).	VENDOR TO CONFIRM		
2	WORK PIECE MATERIAL			
	BHEL,JHANSI is required ONE No.RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING as per enclosed drawing . (Nozzel Tip to Nozzel tip Dia must be 600 MM), All items/components/material required for the complete system will be in the scope of vender. (FUEL TO BE USE FOR SYSTEM - L.P.G , L.P.G Cylinders available with BHEL not in vendor scope) Quantity - 01No.	VENDOR TO CONFIRM		
3	TECHNICAL DETAILS OF RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING	VENDOR TO CONFIRM		
A.	APPLICATION: RING TYPE HEATING ASSY. FOR MOTOR SUSPENSION UNIT TUBE HEATING	VENDOR TO CONFIRM		
3.1	Gas manifold capable to connect 04 No.L.P.G commercial Cylinder, Manifold main pipe line Dia 1", Number-01 Length -03 mtr., Material -SS304 SCH10S Manifold Inlet pipe line Dia 1", Number-04 Length -0.5 mtr., Material -SS304 SCH10S Manifold outlet pipe line Dia 1", Number-01 Length -3.0 mtr., Material -SS304 SCH10S	VENDOR TO CONFIRM		
3.2	On/Off Ball Valve, Size 1", Qty.02No. Material -SS/ Brass Make Acron/HPC / SHAKHA / UNITED	VENDOR TO CONFIRM		
3.3	Regulator cum adapter for commercial cylinder with flexible gas hose Length-Approx. -01 Mtr. Size 1/2",Qty.04 No. Make- SURAKSHA / HOT LINE Confirming to IS:9573	VENDOR TO CONFIRM		
3.4	Non-return Valve (NRV) with adapter suitable to connect Flexible L.P.G hose pipe Size 1",Qty.04 No. Material -SS/ Brass Make HPC / SHAKHA / UNITED	VENDOR TO SPECIFY		
3.5	Flexible L.P.G.Hose pipe Size- 1" Length-22 Mtr. Qty.01 No. Make- SURAKSHA / HOT LINE Confirming to IS:9573	VENDOR TO SPECIFY		
3.6	Pressure gauge set (Range- 0-20 kgf/cm2) Size 1/4", Qty.02 No. Make HPC / SHAKHA / UNITED	VENDOR TO CONFIRM		
3.7	Elbow Size 1", Qty.-As per system requirement. Material -SS/ Brass Make JINDAL / TATA	VENDOR TO SPECIFY		
3.8	Socket Size 1", Qty.6 No. Material -SS/ Brass Make JINDAL / TATA	VENDOR TO CONFIRM		

Shashank
Ashman.
(S.Ashman)

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23/1/17

DESIGN,SUPPLY, INSTALLATION & COMMISSIONING OF RING TYPE HEATING ASSY. FOR MOTOR SUSPENTION UNIT TUBE HEATING. AS PER SPECIFICIFICATION

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFY /CONFIRM BY VENDOR	OFFERED	DEVIATIONS
3.9	Threaded L.P.G. Heating Nozzle(Equivelent. To, Make----- Model HN19 L.P.G Burner nozzle) Size 19 MM, Qty.24 No. Flame length-140 MM. Make ADOR / VICTOR / ESAB	VENDOR TO CONFIRM		
3.10	L.P.G heating nozzle mounting socket should be as per L.P.G heating nozzle Material -SS/ Brass	VENDOR TO CONFIRM		
3.11	Inlet pipe for RING TYPE HEATING ASSY. Length-01 Mtr. Dia-1" Material-SS304 SCH10S	VENDOR TO CONFIRM		
3.12	Torch Ring of RING TYPE HEATING ASSY. FOR MOTOR SUSPENTION UNIT TUBE HEATING should be capable to heat the job (Max. distance from torch tip to torch tip should be 600 MM) with 24 Nos Nozzles with 02 Nos handles (As per sketch) Dia of ring pipe-1", Material of ring pipe -SS304 SCH10S Ring pipe should be seamless only) Make HPC/ SHAKHA/ UNITED/JINDAL/ TATA	VENDOR TO CONFIRM		
3.13	03 No.Flat Supporting strip in side the heating ring at same PCD . Strip thickness- 03 MM Strip width-25 MM Strip length-200MM Material of Flat Supporting strip -MS	VENDOR TO CONFIRM		
3.14	Max. Heating temperature Required ---120 degree cent	VENDOR TO CONFIRM		
3.15	Max.time to achieve the required temp.(120 degree cent.).- 5 to 7 Minutes.	VENDOR TO CONFIRM		
4	GENERAL REMARK All the hose pipes,accessories and other lose parts must be clamped properly.	VENDOR TO CONFIRM		
	System should be capable to operate on commercially available L.P.G Cylinders.	VENDOR TO CONFIRM		
	Manifold system should be capable to handle 04 No. commercially available L.P.G Cylinders at a time .	VENDOR TO CONFIRM		
5	Testing ,Installation & Commissioning			
5.1	Vendor to take full responsibility for carving out the installation start up,testing of RING TYPE HEATING ASSY. FOR MOTOR SUSPENTION UNIT TUBE HEATING Testing ,Installation & Commissioning of HEATING ARRENGMENT FOR BEARING to be done as per specification at BHEL, Jhansi works and shall be witnessed by BHEL .	VENDOR TO CONFIRM		
5.2	Any thing else which is required for the successful working/ commissioning of RING TYPE HEATING ASSY. FOR MOTOR SUSPENTION UNIT TUBE HEATING will be in the scope of vendor.	VENDOR TO CONFIRM		
5.3	All the items/components used in the RING TYPE HEATING ASSY. Must be suitable with L.P.G. working	VENDOR TO CONFIRM		
6	INSPECTION Pre dispatch inspection shall be carried out at Vendor works by BHEL or BHEL nominated agencies as per specification.All facility required for the testing at vendors works must be carried out by vendors.	VENDOR TO CONFIRM		
7	DOCUMENTATION Sources as well as Specifications/Catalogue for all the items to be used in this system are to be provided by the party.	VENDOR TO CONFIRM		
8	GUARANTEE The RING TYPE HEATING ASSY. FOR MOTOR SUSPENTION UNIT TUBE HEATING shall be guaranteed for trouble free performance for a period of 24 month from the date of commissioning /acceptance.	VENDOR TO CONFIRM		
9	TRAINING Satisfactory Training to operator and maintenance staff at the time of commissioning of the equipment..	VENDOR TO CONFIRM		
10	QUALIFYING CONDITION Those vendors who have working experiences of 2 years or more in Fabrication work and at least one order from Govt./ PSU on stainless steel (SS) items/pipe welding/fabrication. Old P.O. copy is to be submitted as a proof for SS welding/fabrication	VENDOR TO SUBMIT		
11	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.	VENDOR TO CONFIRM		

S.Astahana
Dy.Mgr.(LMM)

Y.K.Dhingra
Dy.Mgr.(WEX)

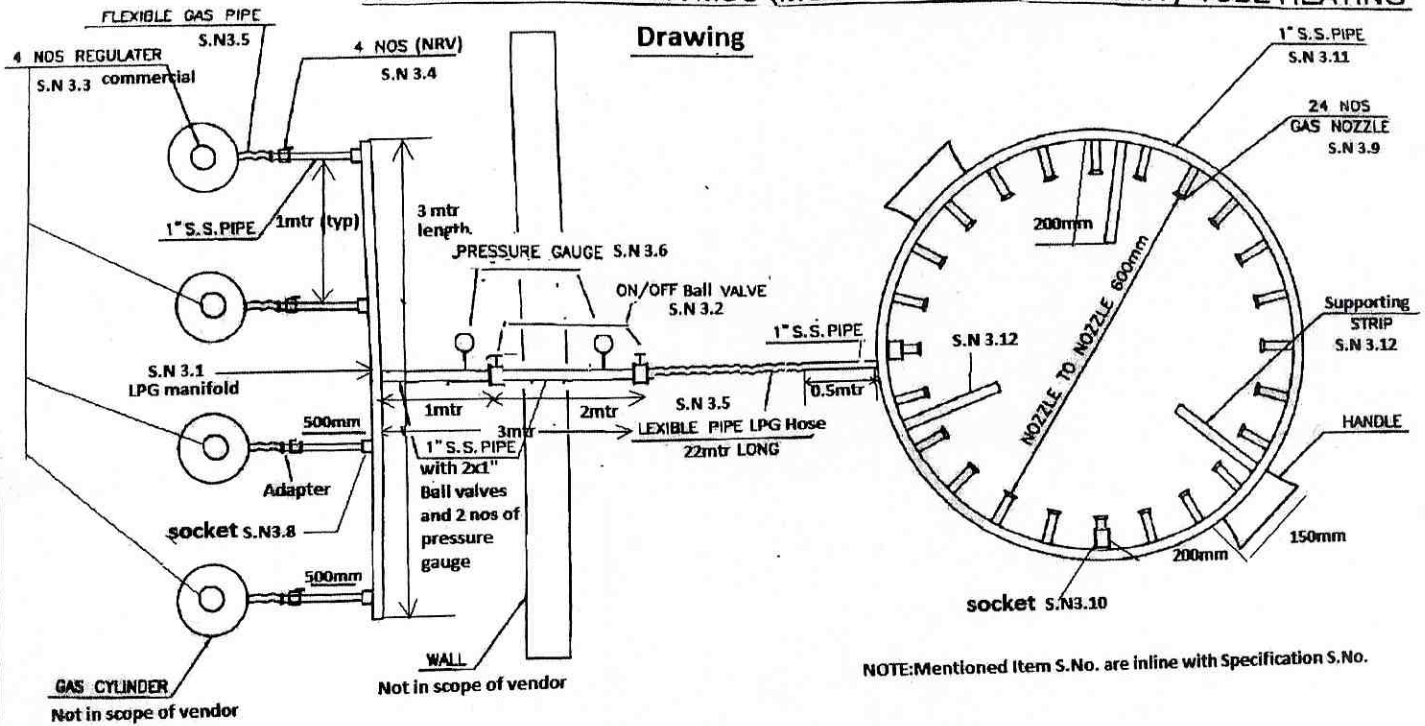
K.K.Sarangi
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S.Mgr(WEX)

B.N.Naik
D.G.M(LMM)

HEATING ARRGT. FOR MSU (MOTOR SUSPENSION UNIT) TUBE HEATING

Drawing



Shashank
Asthana.
(SHASHANK ASTHANA)
Dy. manager
Lmm deptt.

[Signature]
K.K. SAPPAL

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(B.N. Naik)
DGM (LMM)