

Material Code : ZWI030901014
Work Order No : ZMES1400009

Technical Specifications for TROLLEY MOUNTED AIR OPERATED DIAPHRAM PUMP

S.No.	Description of BHEL Requirement	Specified / to be confirmed	Offered	Deviations	Remarks
1	Purpose :-				
1.1	The Trolley mounted air operated diaphragm pump will be mainly used for lifting waste oil and coolant from machine pits. They will also be used to remove rain water accumulated in the machine pit in rainy season.				Information to vendor
2	Technical Specifications :-				
2.1	Type of Equipment : Trolley Mounted Air Operated Diaphragm Pump				Vendor to confirm & provide Make/Model of Diaphragm Pump
2.2	Inlet Port Size : 1"				Vendor to confirm
2.3	Outlet Port Size : 1"				Vendor to confirm
2.4	Operating Air Pressure Range : 2 Bar to 8 Bar				Vendor to confirm
2.5	Free Flow Rate : 120 LPM or More at 4 Bar. Flow rate should be variable by adjusting the compressed air pressure.				Vendor to confirm
2.6	Pumpable Solid Size : Min. 3.0 mm				Vendor to confirm
2.6	Material of Construction (MOC) : Body : Aluminium , Manifold : Aluminium; Seat : Polypropylene, Ball : Teflon, Diaphragm : Teflon				Vendor to confirm & provide details
2.7	Suction : The system is to be supplied with 5 Meter Length High Pressure SAE Hydraulic suction hose with Suitable rating suction Filter & end connections.				Vendor to confirm
2.8	Delivery : The system is to be supplied with 5 Meter Length High Pressure SAE Hydraulic Delivery hose with proper end connections.				Vendor to confirm
2.8	Pneumatic Fitting : The system is to be supplied with at least 10 Meter Length Pneumatic hose with proper end connections.				Vendor to confirm
2.9	Portability : The whole system is to be mounted on a hand operated Flat Bed Platform 4-wheel Trolley with Handle for easy Manual Movement.				Vendor to confirm

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2.10	Diaphragm Pump Makes Acceptable : Only Ingersoll Rand, Graco & Tapflo make Air Operated Diaphragm Pumps are acceptable.				Vendor to confirm
3	<u>Documents & Manuals :</u>				
3.1	2 Sets of Operation & Maintenance Manuals of the system to be supplied.				Vendor to confirm
4	<u>Warranty of Equipment :</u>				
4.1	One year from the date of successful commissioning of the supplied equipment at BHEL, Haridwar				Vendor to confirm
5	<u>Commissioning:</u>				
5.1	Vendor shall depute their manpower for commissioning of the equipment at BHEL, Haridwar.				Vendor to confirm
5.2	Commissioning will be done by the vendor within 30 days after the 1st intimation given to the vendor by BHEL.				Vendor to confirm
6	<u>Acceptance Criteria:</u>				
6.1	Party shall demonstrate operation of all parts of the equipment supplied.				Vendor to confirm
6.2	Acceptance shall be at BHEL, Haridwar after successful commissioning and testing of the supplied equipment for all operation of the system for which the same was procured.				Vendor to confirm

Ashok Kumar
 Dy Mgr (W&BTS)

Ashish Gupta
 (DEM W&BTS)

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 31.05.2014
 (W.T.S. Party)
 Sr. Mgr (W&BTS)