

0	1.0	<u>(4) FIRE PUMP ENGINE DRIVEN:</u>	
	1.1	Design, Supply of all equipment & material and commissioning of 02 Nos. Fire Water Pumps Engine Driven having capacity 341 m ³ /hr. @ 1034 kPa (1500 USgpm @ 150 Psi head) each as per Project Specification and Data sheet. It includes (but not limited to) pumps with Engines mounted on common base plate, suction and discharge Pressure Indicators, Main Relief Valves with Waste Cone & sight glass, Air Eliminators, Doubled Wall Fuel day tanks with piping, Control Panels, S.Steel tubing with fittings and valves, etc.,	2 Nos.
2	2.0	<u>(4) FIRE PUMP MOTOR DRIVEN:</u>	
	2.1	Design, Supply of all equipment & material, Installation and commissioning of 01 Nos. Fire Water Pumps Motor Driven having capacity 341 m³/hr. @ 1034 kPa (1500 USgpm @ 150 Psi head) each as per Project Specification and Data sheet. It includes (but not limited to) pumps with motor mounted on common base plate, suction and discharge Pressure Indicators, Main Relief Valves with Waste Cone & sight glass, Air Eliminators, Control Panels, S.Steel tubing with fittings and valves, etc.,	0 Nos.
0	3.0	<u>WATER FLOW TEST DEVICE</u>	
	3.1	Supply and commissioning of UL Listed fire water flow device dia. 8"-150# R.F. Flanged Ends.	1 No.
0	4.0	<u>JOCKEY PUMP MOTOR DRIVEN:</u>	
	4.1	Design, Supply of all equipment & material and commissioning of Jockey Pump Motor Driven having capacity 11.36 m ³ /hr. @ 1034 kPa (50 USgpm @ 150 Psi head) as per Project Specification and Data sheet. It includes (but not limited to) pump with motor mounted on common base plate, discharge Pressure Indicator, Pressure Relief Valve (Size 3/4" x D x 1"), Control Panel, S.Steel tubing with fittings and valves, etc.,	2 No.
0	5.0	<u>Factory Acceptance Test (FAT)</u> shall be witnessed by two (02) engineers from Reliance Commodities (Pvt.) Ltd. Contractor at his own cost shall arrange visas, air tickets with return, accommodations, food and transport for two (02) engineers	1 Job

REV.	ITEM	MATERIAL DESCRIPTION	QTY. (Nos)	UNIT PRICE PKR	AMOUNT PKR
1	6.0	<u>Commissioning Spares</u>	1 Job		
1	7.0	<u>Two Year Operating Spares</u>	1 Job		
1	8.0	<u>Capital Spares / Maintenance Kit / Spares</u>	1 Job		
		<p>Notes:</p> <p>1) Control Cables and Batteries Cables from Control Panel to Engine shall be supplied by Contractor</p> <p>2) Contractor shall be responsible to load, transport from Port to site and unloading at site.</p> <p>3) Supplier will provide free of cost office space to buyer representative(s) during the complete duration of the test.</p> <p>4) Manufacturer to guarantee availability of spares for the offered model for a period of 20 years from the date of commissioning</p> <p>5) Engine manufacturer shall have maintenance support services in Pakistan.</p>			