

PRICEBID OF FIRE FIGHTING WORKS - KURNOOL PROJECT

S.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Providing , laying, testing & Commissioning of following C class MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc., complete. Makes: Jindal / Hissar / Tata pipes				
A	150 mm nominal dia	Rmt	385	2900	1116500
B	100 mm nominal dia	Rmt	60	2000	120000
C	80 mm nominal dia	Rmt	60	1600	96000
D	65 mm nominal dia	Rmt	60	1100	66000
E	50 mm nominal dia	Rmt	50	1000	50000
F	40 mm nominal dia	Rmt	60	800	48000
G	32 mm nominal dia	Rmt	30	600	18000
H	25 mm nominal dia	Rmt	840	525	441000
2	CONVENTIONAL SPRINKLER:				
	Providing fixing, testing and commissioning of 15mm size quartzoid bulb type sprinklers of rating 68° C. pendent / side wall with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX				
	a) Pendent type Sprinkler	Nos.	240	450	108000
3.1	Providing fixing, testing and commissioning of 1.5 Mtrs length Bredded type ULFM Approved, Pressure 200kh per sqcm, Flexible drops with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX	Nos	40	1500	60000
3.2	Providing fixing, testing and commissioning of 1.0 Mtrs length Bredded type ULFM Approved, Pressure 200kh per sqcm, Flexible drops with required accessories. Makes: HD / TYCO / VIKING / NEWAGE/ SHARP / SAFEX	Nos	200	1200	240000
4	BUTTER FLY VALVE:				
	Supplying, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze / Gun metal seat duly ISI marked complete with Nuts, Bolts, Washers, gaskets, conforming to IS 13095 of following sizes as required. Makes: Audco / Kirloskar / BDK / H-Shankar / Leader/ Zolotto / Valtree				
	a)150 mm dia	Nos	10	7500	75000
5	FLOW SWITCH:				
	Providing and fixing Flow Switches in 150 mm dia MS pipe. Makes : System Sensor / Switzer / Approved makes.	No	4	6000	24000
6	Supply, installation, testing and commissioning of 25mm dia Ball valve Makes : Zoloto / Leader / Approved makes	No	40	800	32000
7	LANDING VALVE :				
	Providing and fixing Single headed SS landing valve conforming to IS - 5290 with 63 mm dia instantaneous female coupling on the outlet with S.S. orifice flange 6 mm thick as required to maintain 3.5 Kg/sq.cm., SS blank cap and chain, necessary companion flanges (as per table "E") nuts, bolts, washer and gasket complete as per specification. (ISI marked)	No	10	7000	70000
8	HOSE REEL :				

	Providing and fixing swinging type first aid fire hose reel comprising 20 mm dia 30 m long reinforced rubber tubing conforming to IS :444 Type II / thermoplastic reinforced hose reel tubing conforming to IS :12585 Type II, MS drum with fixing bracket conforming to IS:884 and with 5 mm dia gun metal shut off nozzle conforming to IS:8090, all complete.	No	4	9000	36000
9	RRL FABRIC HOSE :				
	Providing and fixing 63 mm dia 15m long RRL type fabric lined including SS male and female instantaneous type coupling approved by fire authority, with required pointer, machine wound with copper wire complete in all respects.Hose shall conform to IS 636 Typell and coupling to IS 903 -1975 (ISI marked).	No	4	4500	18000
10	SS BRANCH PIPE :				
	Providing and fixing standard short size SS branch pipe with SS nozzle 16 mm dia outlet with standard instantaneoustype 63 mm dia coupling. (ISI marked).	No	4	2000	8000
11	HOSE CABINATE :				
	Supplying and fixing of Hose Cabinet with double door of size 700mm W X 600mm H x 250mm D made of No 16 gauge SWG CRCA sheet with 6mm thick glazed glass door including necessary locking arrangement suitable to accommodate 2 Nos 15 mtr long Hose pipe, 1 No branch pipe, mounted on wall OR raised brick platform and duly painted with Post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant as required. Make: Mini Max / Safex / Newage / Winco / Padmini.	No	8	4000	32000

FIRE FIGHTING PUMP AND EQUIPMENT					
1	Supplying , installation , testing and commissioning of electric driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	Each	1	380000.00	380000.00
	a) Horizontal type, end suction,back pull out type pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr. head conforming to IS 1520				
	b) Suitable HP SQ cage induction motor synchronous speed 2900 RPM, suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 22 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325				
	c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.				
	d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps: Kirloskar / Mather&Platt / KSB / LUB. Makes of Motors: Siemens/ ABB/ Kirloskar				
2	Supplying , installation, Testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following : complete in all respect as required	Each	1	570000.00	570000.00
	a) Horizontal type, end suction,back pull out type pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 1620 lpm at 56 Mtr. head conforming to IS 1520				
	b) Suitable HP, 1500 - 2900 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete with auto starting mechanism, 12 Volts / 24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house duly insulated with 50mm thick glass wool with 1.0mm thick alluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc as required.				
	c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.				
	d) Suitable cement concrete foundation duly plastered with anti vibration pads. e) independent dual-battery system (Battery Set A and Battery Set B) with automatic continuous chargers. Makes of Engines : Kirloskar / Cummins. Makes of Pumps : Kirloskar / Mather&Platt				

3	Supplying , installation , testing and commissioning of electric driven pressurisation / Jockey pump suitable for automatic operation and consisting of following : complete in all respect as required	Each	1	100000.00	100000.00
	a) Horizontal type, end suction,back pull out type pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg / sq.cm. at highest and farthest outlet at specified flow of 180 lpm at 56 Mtr. head conforming to IS 1520				
	b) Suitable HP SQ cage induction motor TEFC type suitable for operation on 415Volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS- 325				
	c) M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc as required.				
	d) Suitable cement concrete foundation duly plastered with anti vibration pads. Makes of Pumps : Kirloskar / Mather&Platt. Makes of Motors : Siemens/ ABB/ Kirloskar				
4	Fabricating & Supply, installing, testing and commissioning of Electrical control panel of cubical construction , floor mounted type , fabricated out of 2mm thick CRCA sheet compartmented with hinged locable doors, dust and vermin proof powder coated of approved shade after 7 tank treatment process, cable alley, interconnections, having switchgears and accessories mounting and internal wiring , earth terminals, numbering etc complete in all respect suitable for operation on 415V, 3 Phase, 50 HZ AC supply	Each	1	180000.00	180000.00
	INCOMER				
	Supply of 200 A 4 Pole MCCB / Confirms to IS:13947 having Breaking Capacity 50 KA Panel Mounted of makes LEGRAND / L & T / GE / SCHNEIDER / ABB / SIEMENS.--1No				
	Supply and erection of 0-415V volt Digital meter of size 96x96mm on existing box / panel board including connections etc., complete.CONZERVE/ELMEASURE/MECO/ HPL MAKE.				
	Supply and erection of 0-100 / 200 / 400 / 600 /1000 - 5A CT Digital Ammeter of size 96x96mm on existing box / panel board including connections etc., complete. CONZERVE/ELMEASURE/MECO/ HPL MAKE.				
	Supply and erection of Analog selector switch for voltmeter / Ammeter on the existing box / panel including connections etc., complete. 2 nos L&T / C&S / SALZAR / HPL MAKE.				

	Supply and erection of Analog LED indicator lamps on the existing box / panel board. 3 nos L&T / C&S / SALZAR / HPL MAKE.				
	Main Fire Pump : 1 Nos of 125 A 36/35 KA TP MCCB with 75HP fully automatic star / delta starter---1No. LTLK/ Siemens make with over load protection , single phase preventor complete with all accessories and internal wiring required for automatic operation , selector switch for auto/ manual OFF operation.				
	Jockey Pump : 1 Nos of 63A 25KA ,TP&N MCCB with 12.5 / 15HP DOL starter---2Nos. LTLK/ Siemens make with over load protection , single phase preventor complete with all accessories and internal wiring required for automatic operation , selector switch for auto/ manual OFF operation.				
	Control for Diesel Engine Comprising: Auto / Manual selector switch & 3 attempt starting levers, timers and relays as required, push buttons, start / stop in manual mode, timers and relays as required, push buttons start / stop in manual mode. Indication lamp for High / Low lub. oil pressure, high water temperature and Engine On Indication. Battery charger suitable for 12V / 24V DC with boost and tickle selector switch, 0-30V DC voltmeter, 0-20A DC Ammeter. 12 / 24 V batteries of Exide / Universal / Quanta make All standard accessories for automatic operation of diesel engine.				
5	Supply, installation, testing and commissioning of dual plate non - return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc as required Makes: Intervalve				
a	150 mm dia	Each	3	4545.00	13635.00
b	100 mm dia	Each	3	4232.00	12696.00
6	Supply, fabricating , installing structural steel supports for fixing all sizes of MS pipes from ceiling / wall with MS Channels, Angles, Flats, Rods, as required at site with anchor fasteners, Clamps, threaded rods, nuts, bolts, washers etc complete with painting.	Kgs	200	115.00	23000.00
7	supply and fixing air vessel made of 250mm dia 5mm thick MS sheet, 1200mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25 mm dia Gun metal wheel valve, with required accessories pressure gauge and painting with synthetic paint of approved shade as required.	Each	1	16160.00	16160.00
8	Supply, Transportation and laying PVC armoured under ground cable of size 3.5 Core 240.00 Sqmm 1100V grade of make Torrent / Nicco / Universal / Unicab/ Polycab/ with ISI mark standard / Solid aluminium conductor etc., complete fixing on chromium plated metallic base saddles on wall as per IS 1255 and as directed by the department including cost and conveyance of all materials and labour charges etc., complete.				
A	3.5C X50 Sq.mm Aluminium cable for Fire panel	Rmt	150	370.38	55557.00
B	4C X16 Sq.mm Aluminium cable for jockey pump	Rmt	10	250.00	2500.00
C	10c X1.5 Sq.mm Aluminium cable for Diesel Driven Pump	Rmt	10	267.00	2670.00
D	GI perforated Cable Tray 300 x 50 x 2 mm thick	Rmt	20	907.00	18140.00
E	2c x 1.5 Sq.mm Cu. Armoured cable for pressure switches	Rmt	40	105.00	4200.00
	TOTAL				4,037,058.00
	QUOTE +% OR - % OR AT PAR				
	GRAND TOTAL				