

PROJECT NAME :- Paramedical College					
FIRE FIGHTING WORK QUANTITY OF MATERIAL					
S.NO	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
1	Supplying, installation, testing and commissioning of Electric driven Main Fire Pump suitable for automatic operation and consisting of following, complete in all respects, as required : (a) Horizontal type, single stage, centrifugal, end suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. (b) Suitable HP Squirrel cage induction motor, TEFC, synchronous speed 2900 RPM, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 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. Make-Kirlosker				
1.1	2280 lpm at 70 m Head	Nos.	1		
2	Supplying, installation, testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Diesel Driven Pump) Horizontal type, single stage, centrifugal, end suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. Suitable HP, 1800 RPM water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12 /24 volts electric starting equipment, diesel tank, exhaust pipe extended up to 10M outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. as required. Make-Kirlosker				
2.1	2280 lpm at 70 m Head	Nos.	1		
3	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Jockey Pump) (a) Horizontal type, single stage, centrifugal, end suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. b) Suitable HP Squirrel cage induction motor, TEFC, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.. Suitable cement concrete foundation duly plastered and with anti vibration pads. Make-Kirlosker				
3.1	180 lpm at 70 m Head	Nos.	1		

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4	Supplying, installation, testing and commissioning of electric driven terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump)(a) Horizontal type, single stage, centrifugal, end suction pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520.b)Suitable HP Squirrel cage induction motor, TEFC, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 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 and with anti vibration pads. Make-Kirlosker				
4.1	900 lpm at 35 m Head	Nos.	1		
5.1	Supplying, installation, testing and commissioning of Main Panel For Jockey ,Main and Disel Pump Make- Agni	Nos.	1		
5.2	CONTROL PANELS FOR TERRACE PUMP Supplying, installation, testing and commissioning of Electrical control panel of cubical construction, floor/wall mounted type,f auto - manual control panel for electrical motor driven terrace fire motor pump wall mounting type with fittings. Make-Agni(ASES)	Nos.	1		
6	PIPES & ACCESSORIES				
	Supplying, installation, testing and commissioning of 'B' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with one or more coats of synthetic enamel paint of required shade complete as required : Make-Jindal				
6.1	25 mm dia	Mtr.	140		
6.6	80 mm dia	Mtr.	120		
6.7	100 mm dia	Mtr.	360		
6.8	150 mm dia	Mtr.	360		
7	Supplying, installation, testing and commissioning of single headed hydrant valve with instantaneous Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank cap and chain as required : Make-Life Guard/ Omex/Ultra Fire/Kalpex	Nos.	31		
8	Supplying, installation, testing and commissioning of butterfly valve (PN1.6 rating) complete with rubber insertion, matching flanges, GI nuts, bolts and washer complete as required of following sizes. Make-Kartar				
8.1	80 mm dia	Nos.	2		
8.2	100 mm dia	Nos.	4		
8.3	150mm dia	Nos.	6		
10	Supplying, installation, testing and commissioning of ball valve Make-Kartar				
10.1	25 mm dia	Nos.	22		

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11	Supplying, installation, testing and commissioning of dual plate non-return valve (PN1.6 rating) complete with rubber insertion, matching flanges, GI nuts, bolts and washer complete as required of following sizes. Make-Kartar				
11.1	80 mm dia	Nos.	1		
11.2	100mm dia	Nos.	3		
11.3	150mm dia	Nos.	2		
12.2	Supplying, installation, testing and commissioning of Ms Hose Box Double door Make-Life Guard/ Omex/Ultra Fire/Kalpex	Nos.	31		
13	Supplying, installation, testing and commissioning of Foot Valve Make-Kartar				
13.1	100mm dia	Nos.	1		
13.2	150mm dia	Nos.	1		
14	Rubber Bellow Make -Kanwal				
14.1	100 mm dia	Nos.	1		
14.2	150 mm dia	Nos.	2		
15	Supplying, installation, testing and commissioning of siphon tube with valve & pressure gauge capable of measuring 0-10 kg/sq.cm pressure complete with fitting. siphon tube(M.S) and Brass valve 10 mm in dia & pressure gauge filled with Glycerin, dial size 3 inch. Make-H.Guru	Nos.	4		
16	Supplying, installation, testing and commissioning of 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required Make-Life Guard/ Omex/Ultra Fire/Kalpex				
16.1	Stainless Steel	Nos.	62		
17	Supplying, installation, testing and commissioning of first-aid Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipments on wall. . Make-Life Guard/ Omex/Ultra Fire/Kalpex				
17.1	30m	Nos.	22		
18	Supplying, installation, testing and commissioning of 63 mm dia SS short branch pipe with 20 mm nominal internal dia Mtr. size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required : Make-Life Guard/ Omex/Ultra Fire/Kalpex				
18.1	Stainless Steel (Grade 304)	Nos.	31		
19	Supplying and fixing air vessel made of 200 mm dia, 8 mm thick MS sheet, 1200 mm 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 enamel paint of approved shade as required.	Nos.	1		

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20	Supplying, installation, testing and commissioning of Air Release Valve Make-Kartar	Nos.	1		
21	Supplying, installation, testing and commissioning of pressure switch in M.S. pipe line including connection etc. as required. Make- Denfoss	Nos.	4		
22	Supplying, installation, testing and commissioning of Priming Tank 500 Ltr With Accessories	Nos.	1		
23	Supplying, installation, testing and commissioning of Cable for Pump to Panels	Job	1		
24	Core Cutting				
24.1	150 mm dia	U/R	12		
24.2	100 mm dia	U/R	15		
24.3	80 mm dia	U/R	30		
25	MS angle suuport	Kg	350		
26	Wrapping Coating 150 MM Dia	Mtr.	24		
	FIRE DETECTION & ALARM SYSTEM				
27	Supplying, installation, testing & commissioning of addressable manual call point complete as required. Make-Agni	Nos.	21		
28	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required. Make-Agni	Nos.	21		
29	Supplying & laying of Single core 1.5 X 2 sqmm wire, & FRLS outer sheath complete as required. Make-Poly Cab/Havells	Mtr.	4000		
30	Pvc Conuting 25mm Make-Poly Cab/AKG	Mtr.	1200		
31	Supplying, installation, testing & commissioning of addressable fire control panel complete as required. 4 Loop Make-Agni	Nos.	1		
32	Addressable smoke detector Make-Agni(ASES)	Nos.	331		
33	Fire Inlet 2-way connection 100mm Make-Life Guard/Omex/Ultra Fire/Kalpex	Nos.	2		
		TOTAL AMOUNT			

For Shree Kalash Enterprises

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