

CENTRE FOR PERFORMING ARTS AT VARKALA					
FIRE PROTECTION WORKS					
PART -V					
SI No	Item Description	Quantity	Unit	Rate Rs (in figures & words)	Amount in Rs
1	<b><u>BOOSTER PUMP</u></b> Supply, installation, testing and commissioning of booster pump of capacity 900 lpm at 40 MWC, horizontal centrifugal end suction type at suitable H.P high efficiency volute type with cast iron casing cast iron impeller pump Monobloc/ coupled to a squirrel cage induction motor screen protected drip proof with supply condition 415 v 3 phase 50 HZ floor mounted type at 2900 rpm including supply and installation of all accessories like base frame foundation bolts etc complete with suitable rated DOL starter.	1.00	Each		
2	<b><u>ABOVE GROUND PIPING</u></b> Supply, erection, testing and commissioning of MS 'C'Class pipes conforming to IS 1239 with all accessories such as bends, flanges, nuts and bolts gaskets. The pipes shall be given two coats of anti corrosive primer and two coats of signal red enamel coating. with necessary supports on wall/ceiling.				
	a) 100 mm dia	50.00	metre		
3	<b><u>BUTTERFLY VALVE</u></b> Supply, installation, testing and commissioning of lever type butterfly valve of following sizes cast iron body conforming to IS 13095.				
	100 mm dia	3	Each		
4	<b><u>NON RETURN VALVE</u></b>				

SI No	Item Description	Quantity	Unit	Rate Rs (in figures & words)	Amount in Rs
	Supply, installation, testing and commissioning of Non-return valve of following sizes without bye pass arrangements swing check type with cast iron body as per IS 5312.				
	100 mm dia	1	Each		
5	<b><u>PRESSURE GUAGE</u></b>				
	Supply, Installation, Testing & Commissioning of dail type				
	Pressure gauge.	1	Each		

Sl No	Item Description	Quantity	Unit	Rate Rs (in figures & words)	Amount in Rs
6	<b><u>SINGLE HEADED HYDRANT VALVE</u></b>				
	Supply, installation, testing and commissioning of single headed Gunmetal hydrant valve 63 mm dia oblique type with Instantaneous hose coupling adapter conforming to IS 5290 with ISI mark with blank cap and chain.	3	Each		
7	<b><u>FIRE HOSE</u></b>				
	Supply, installation, testing and commissioning of Fire hose RRL type with 15 m long , 63 mm dia. and fitted with instantaneous type coupling on both ends made of gun metal.Hose shall comply to IS:636 Type II and coupling to IS 903:1975 with IS certification.	3	Each		
8	<b><u>BRANCH PIPE</u></b>				
	Supply, installation, testing and commissioning of gun metal branch pipe with 63 mm dia male hexagonal base nozzle heavy quality conforming IS 903 .	3	Each		
9	<b><u>HOSE CABINET</u></b>				
	Supply, installation, testing and commissioning of hose cabinet to accommodate one no of Hose pipe along with one pair of male and female coupling and one branch pipe. The cabinet is made of MS sheet glass fronted with hinged door and lock. The cabinet is spray painted to scarlet red color outside and off white inside.				
	A) Hose cabinet (Single door)	3	Each		
10	<b><u>HOSE REEL</u></b>				

Sl No	Item Description	Quantity	Unit	Rate Rs (in figures & words	Amount in Rs
	Supply, installation, testing and commissioning of first aid Hydraulic hose reel complete with swing type drum,.20 mm rigid hose having a length of 30m with textile reinforcement as per IS 12585, Typell, 20 mm dia globe and nozzle. stop cock and chrome plated nozzle on one end and all other necessary fixing materials conforming to IS:884.	3	Each		
11	<b><u>FIRE EXTINGUISHER</u></b>				
	Supply and installation of ABC type fire extinguisher of 4 Kg capacities complete with installation brackets conformed to IS:14609.	6	Each		

SI No	Item Description	Quantity	Unit	Rate Rs (in figures & words)	Amount in Rs
12	<b><u>FIRE ALARM SYSTEM</u></b>				
	Supply and installing main control panel 6 zones, with LCD display Including battery charging system with all Attachment for the alarm system with auto/alert Facilities and made of MS sheet floor/wall mounting with locking arrangement duly painted as per the fire standard requirement	1	Each		
13	<b><u>MANUAL CALL POINTS</u></b>				
	Supply, installation, testing and commissioning of Manual Call points of break glass type with hammer and chain	3	Each		
14	<b><u>HOOTER</u></b>				
	Supply, installation, testing and commissioning of electronic fire alarm hooter.	3	Each		
15	<b><u>SMOKE/HEAT DETECTOR</u></b>				
	Supply, installation, testing and commissioning of photo-electric (optical) type conventional smoke detectors with matching base and having UL listed.	30	Each		
16	<b><u>CABLE</u></b>				
	Supply & laying of 1 sq.mm FRLS cable				
	Through 20 mm PVC Rigid conduit including Casing & capping.	900.00	metre		
	<b>TOTAL PART V- FIRE PROTECTION WORKS</b>				