

Invited from reputed contractors for fire Alarm with credentials IT, ST certificate within 7 days with effect from 24.02.2015

**Schedule & Estimate for the work of Fire alarm & fighting system
in the Proscenium stage Auditorium in Rabindra Bharati.**

A)

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
1.	Supply & installation of MCP, with all accessories. Make-Agno.	3	Nos.		
2.	Supply & Installation of Hooter with all accessories. Make-Agni.	2	Nos.		
3.	Supply & Installation of 02 Zone Fire Alarm Panel with all accessories. Make-Agni.	1	No		
4.	Supply & Installation of Cabling with 2 Core X 1.5 Sqmm. flexible PVC copper wire (ISI) with all accessories.	100	Metre		
5.	Supply & Installation of 1.5 sqmm. 3 core cable through flexible conduit with all accessories complete.	150	Metre		
6.	Supply & Installation of Beam Detector, with all accessories. Make : System Sensor.	1	No		
7.	ISI Marked Dry Powder with Stored pressure (ABC POWDER) type fire Extinguisher with squeeze valve pressure gauge meter conforming to IS : 1368	4 Kg.	No		
8.	ISI Marked CO2 Type seamless Fire Extinguishers fitted with controlled valve, Adaptor with horn, Complete set, Conforming to IS : 15683	2 Kg.	No		
9.	ISI Marked CO2 Type seamless Fire Extinguishers fitted with controlled valve, high pressure 1 meter discharge hose & horn. Complete et, Conforming to IS : 15683	4.5 Kg.	No		
				Total	

B. FIRE MAIN PUMP SYSTEM

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
1.	Supply installation and Testing and Commissioning of Fire Main Pump Horizontal Centrifugal End suction Backpull out type Pump. Directly Coupled with Motor, 22Kw/30HP, 2 Pole Motor Complete with Base, Coupling & Guard. Kirloskar make	No	01		
2.	Supply & installation of Jockey Pump at 70 mtr. head, 7.5 WM/10HP non return valve, pole motor with gate valve, foot valve pipe 3" , pressure gage, pressure switch, cable, starter complete. Kirloskar make	No.	01		
3.	Supply installation and testing and commissioning of Motor Control Panel for the above pumps with auto starting facilities.	No.	01		
4.	Supply Installation and testing and commissioning of check valve (NRV) with companion flanges conforming to IS : 5312 TDF & PN 1.6 complete in all respects.				
	a) 100 NB	No.	01		
5.	Supply Installation and Testing and Commissioning of Sluice Valve / Gate Valve of PN 1.6 complete with companion flanges, nut bolts gaskets and other standard accessories.				
	a) 100 NB	No.	01		
	b) 25 NB	No	01		
	c) 15 NB (Ball Valve)	Nos.	03		
6.	Supply installation and testing and commissioning of Foot Valve of PN 1.61 complete with companion flanges, nut bolts I gaskets and other standard accessories nuts bolts and gaskets and complete in all accessories.				
	a) 150 NB	No.	01		
7.	Supply Installation testing and Commissioning of ER W MS Medium Grade Pipe confirming to IS : 1239 including all necessary fitting like bends reducers flange etc.				
	a) 100 NB	Mtrs.	6		
	b) 150 NB	Mtrs.	6		
8.	Supply installation and testing and commissioning of Pressure Gauge.	Nos.	2		
9.	Supply installation and testing and commissioning of Pressure Switch.	No.	1		
10.	Supply Installation and Testing and Commissioning of 3 core control cable as per requirements for necessary auto devices connection.	Mtrs.	1 Lot		

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
11.	Anti Vibration Mounting.	Nos.	04		
12.	Supply installation and testing and commissioning of 63mm dia single headed oblique type Hydrant/Landing Valve of S.S body conforming to IS 5290, along with nuts bolts and gaskets flanges etc complete in all respects. The blank cap for the outlet shall also be provided along with chain-1ST brand.	No.	3		
13.	Supply installation and testing and commissioning of glass front MS Hose Box (18 SWG) suitable to accommodate 2 x 15 hose and] no branch pipe along with fixing materials namely MS angle etc. and welding of the-same together with nuts bolts and gaskets and complete in all respects for outdoor installation the horses boxes will I have to be grounded with M.S angles.	No.	3		
14.	Supply installation and testing and commissioning of Gun Metal Branch Pipe (IS 1 marked) with 20 mm dia nozzle conforming to IS : 903.	Nos.	3		
				Total	

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Schedule & Estimate for the work of Fire Hydrant System for fighting in the Proscenium stage Auditorium in Rabindra Bharati.

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
1.	Supply erection testing and commissioning of ERW MS Medium grade pipe conforming to IS: 1239 including all necessary fitting like bends reducers flange etc . For underground Pipes shall be wrapped with anti corrosive protection 2mm thick. Make Jindal/Bansal.				
	Considering over ground piping necessary clamping of over ground pipini shall be done by the contractor, over ground pipes shall be painted by two coats of synthetic enamel red paint.				
	For underground pipe the pipes will have to be laid at a depth of one meters from ground level, The excavation of soil and trench cutting supporting. e pipes In t e trenches are included in the rate the pipes are to be treated with and corrosive treatment 2 mm thick tape alter proper surface cleaning and roper overlapping.				
	a) 100 NB	25	Mtrs.		
	b) 80 NB	20	Mtrs.		
	c) 65 NB	40	Mtrs.		
	d) 50 NB	20	Mtrs.		
	e) 40 NB	20	Mtrs.		
	f) 32 NB	15	Mtrs.		
	g) 25 NB	70	Mtrs.		
2.	Supply Installation and testing and commissioning of check valve (NRV) with companion flanges conforming to IS : 5312 TDF & PN 1.6 complete in all respects.				
	80 NB	3	No.		
3.	Supply installation and testing and commissioning of 15Meter RRL Hose complete with G.M coupling, conforming to IS: 636 and coupling shall be bound with GI wire and complete with all respect of ISI brand	6	No.		

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
4.	Supply installation and testing and commissioning of swing type Hose Reel with 30 Meter Rubber Hose of 19 mm dia and shut off (PVC) nozzle conforming to IS: 884 along with mounting brackets and other accessories. Necessary tapping shall be taken from the rising main. 25mm G.I pipe of approx 2m length and 1 no universal coupling and 25mm O.M globe valve shall be supplied threaded, welded and erected with each hose reel. Necessary wall cutting and making good of the same shall be included. The rubber hose will be ISI branded.	3	Nos.		
5.	Supply installation and testing and commissioning of Air Release Valve of 25 NB conforming to relevant IS with necessary piping as per requirement along with 1 no 25NB globe valve conforming to IS : 778 of ISI branded.	1	No.		
6.	Supply installation and testing and commissioning of Butterfly Valve of PN 1.6 complete with companion flanges, but bolts gaskets and other standard accessories.				
	80 NB	3	Nos.		
7.	Supply installation and testing and commissioning of Sluice Valve /Gate Valve of PN 1.6 complete with companion flanges, nut bolts gaskets and other standard accessories.				
	a) 150 NB	1	No.		
	b) 25 NB	3	Nos.		
8.	Supply Installation and Testing and Commissioning of Control Valve with all Accessories.				
	80 NB	1	No.		
9.	Supply Installation and Testing and Commissioning of Flow Switch.	3	Nos.		
10.	Supply Installation and Testing and Commissioning of Glove Valve.				
	b) 32 NB	3	Nos.		
	c) 25 NB	2	Nos.		

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount(Rs.)
11.	Supply installation and testing and commissioning of Pressure Gauge. Make H. Guru.	3	Nos.		
12.	Supply Installation Testing and Commissioning of Pendent type Sprinkler head (68deg C). UL Approved.	50	Nos.		
13.	Supply Installation Testing and Commissioning of 04 Zone Annunciation Panel with all accessories.	1	No.		
14.	Supply Installation Testing and Commissioning of 2 X 1.5 Flexible wire with PVC Conduit.	100	Mtrs.		
				Total	