

TENDER FOR FIRE FIGHTING & FIRE ALARM SYSTEM

Name of Work: Estimate for Supply, Installation for Fire Fighting & Fire Alarm System at Construction of Educational Conservation and Research Center on BNHS Bhisil Land at SN.No.161/1 Mauza Navegaon (Brahman) Village, Tehsil-Chimur in the Dist. of Chandrapur.

Instructions to Bidders (Financial Bid Format)

- All rates should be quoted inclusive of supply, installation, testing, commissioning, labour, and transport unless specified otherwise.
- Applicable taxes (GST) must be explicitly indicated at the summary stage.
- The material must conform to the specified **IS codes** mentioned in the description.

Bill of Quantities (BOQ) / Price Schedule

Sr. No.	DESCRIPTION	Qty	Unit
A	FIRE RISER SYSTEM		
1	Supply, Installation, Testing & Commissioning of GI ERW Pipe as per IS 1239 with fittings including Elbows, Tees Flanges & Required Threaded roads & anchor fastener		
a	200 mm	4	Mtr.
b	150mm	6	Mtr.
C	100mm Ring Pipe	264	Mtr.
d	100mm Underground Pipe with wrapping and Coating	24	Mtr.
e	100mm Riser pipe	36	Mtr.
f	80mm	12	Mtr.
3	Supply, Installation, Testing & Commissioning of 1 Hydrant valve SS type coupling with 1/2" blank cap & M.S. Chain in an approved manner	4	Nos
4	Supply, Installation, Testing & Commissioning of Yard Hydrant Post SS type coupling with PVC blank cap & M.S. Chain in an approved manner	6	Nos
5	Supply, Installation, Testing & Commissioning of M.S./ CRCA Single Door cabinet for housing fire bridge siemens connections made from 16 swg sheet having front doors with viewing glass and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted in oost box red colour.	10	Nos.
6	Supply, Installation, Testing & Commissioning of Hose Box Frame	10	Nos.
7	Supply, Installation, Testing & Commissioning of RRL hose pipe conforming to IS : 636 (Type-A) & 15 mtr in length fitted with male & female ss coupling conforming to IS : 903	10	Nos.
8	Supply, Installation, Testing & Commissioning of 63 mm dia Branch Pipe short fitted with 20 mm dia detachable hexagonal nozzle conforming to IS : 903	10	Nos.
9	Supply, Installation, Testing & Commissioning of wall mounting swinging Hose reel drum as per IS:884 & fitted with 19 mm dia, 15 meter long high pressure polypropylene(polyhose) pipe as per IS:444 (type III) GM chrome plated nozzle & 19 mm Q.G.M. Gate valve on the inlet pipe with necessary M.S. Bracket for holding hose reel drum fitted in position with wall fasteners in an approved manner	4	Nos.

10	Supply, Installation, Testing & Commissioning of Ball Valve with barrel nipple and teflon tap- 25 mm	10	Nos.
11	Supply, Installation, Testing & Commissioning of 2 WAY Fire Brigade Header of 100 mm dia and MS 'C' Class Pipe of 1 mtr long having 2nos.of 100 mm T outlet with 100 dia flange fitted with 2nos.of SS fire branching inlet connection, each consisting of 4nos. 63 mm dia SS Male inlet for supplying water in fire tank.	2	Nos.
12	Supply, Installation, Testing & Commissioning of Air Release Valve 25NB	2	Nos.
13	Supply, Installation, Testing & Commissioning of 15 mm dia, NBCM Body Chrome finished quartzite bulb sprinkler having 68 degree C Fixed temperature rating with deflector disc with socket of conventional construction.	1	Nos.
14	Supply, Installation, Testing & Commissioning of Flexible Pipes 1000/750mm long distance	1	Nos.
15	Core Cuts For Slab 125 mm	1	Job
16	Core Cuts For Beam 150 mm	1	Job
Sub Total (A)			
B	FIRE PUMP SYSTEM		
1	Supply, Installation, Testing & Commissioning of 1800 LPM electric driven Main Fire Pump suitable for automatic operation and consisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal, split casing, positive suction 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 1800 LPM, Conforming to IS	1	Nos.
2	Providing, fixing & commissioning of 1800 LPM pump coupled with Diesel Driven motor. Alongwith baseframe, foundation bolts & coupling guard. As Hydrant mono block centrifugal pump	1	Job
3	Providing, fixing & commissioning of 180 LPM pump coupled with Electric motor. Alongwith baseframe, foundation bolts & coupling guard. As Jockey pump	1	Job
4	Supply, Installation, Testing & Commissioning of AUTO MANUAL CONTROL PANEL FOR FIRE PUMPS- Providing, installation & commissioning automatic Starter panel switchgear unit for the main hydrant pump, jockey pump to suit the motor H.P. for the rated capacity & desired head of the pumps	1	Nos.
5	Supply, Installation, Testing & Commissioning of armoured Alu.Cable conductor complete erected on wall ceiling with required size and strength of M.S. saddles in an approved manner.		
a	3.5 core x 35 sq mm (for Main Pump)	50	Mtrs
b	4 core x 4 sq mm (for Jockey Pump)	40	Mtrs
6	Supply, Installation, Testing & Commissioning of electric driven Booster Fire Pump 450 LPM suitable for Manual operation and consisting of following: complete in all respect as required	2	Nos.
7	Supply, Installation, Testing & Commissioning of Auto Panel for BOOSTER FIRE PUMPS- Providing installing & commissioning manual Starter panel switchgear unit for the Booster Pump	1	Nos.
8	Supplying and Erecting Round flexible 3 core 16 mm PVC sheathed Alu cable suitably clamped at fixed intervals with column pipe assembly complete	36	Mtr
9	Supply, Installation, Testing & Commissioning of C.I Ball type FOOT VALVE / Y Strainer with flange joint nut bolt		
a	100 mm	2	Nos
b	80 mm	1	Nos
10	Supply, Installation, Testing & Commissioning of cast iron double flanged Butterfly Valve confirming to having cast iron body, FG220 Nitrite rubber replaceable seat with moulded 'O' RING c.i. Poder coated disc flow control complete and tested to 1.5 times of working pressure in an approved manner.		
a	100 mm	10	Nos
b	80 mm	2	Nos

11	Supply, Installation, Testing & Commissioning of Vapor Check confirming to IS 5312 (part-I), having cast iron body and gun metal working parts with nut bolts, gaskets, etc & tested to 1.5 times of working pressure in an approved manner		
a	100 mm	6	Nos
b	80 mm	2	Nos
12	Supply, Installation, Testing & Commissioning of C.I.Ball type Y Strainer with flange joint nut bolt		
a	100 mm	2	Nos
b	80 mm	1	Nos
13	Supply, Installation, Testing & Commissioning of Pressure Switch, (Jelly field) 0 to 300 PSI (0-21 kg/sqcm) range, fitted with 12/15 mm dia, pad cock valve, and G.I.pipe elbow, etc. as per requirement in an approved manner.	5	Nos
14	Supply, Installation, Testing & Commissioning of Pressure Gauge of 100 mm dia, 0 to 300 PSI (0-21 kg/sqcm) range, fitted with 12/15 mm dia, pad cock valve, and G.I.pipe elbow, etc. as per requirement in an approved manner.	5	Nos
Sub Total (B)			
C	FIRE ALARM SYSTEM & DETECTION SYSTEM		
1	Supply, Installation, Testing & Commissioning of Conventional type optical Smoke/Heat detector compite with all accessories like base box etc	42	Nos
2	Supply, Installation, Testing & Commissioning of 2 Zone Fire Alarm Panel compite with all accessories etc.	1	Nos
3	Supply, Installation, Testing & Commissioning of Analouge type Manual Call Point (Brake Glass Type) complete with push button enclosed in a box with provision for cable and conduit coupling	4	Nos
4	Supply, Installation, Testing & Commissioning of Analouge type Hooter	4	Nos
5	Supplying and erecting PVC 2 core 1.5 sq mm Copper wire complete erected on wall/ceiling with required size and strength of saddles in an approved manner	350	Mtrs
6	Supply, Installation, Testing & Commissioning of Emergency Fire Exit Sinages Acralic Sheet with Auto glow indicate Arrow & Direction as per NBC Norms	10	Nos
Sub Total (C)			
D	FIRE EXTINGUISHERS		
1	Supplying and erecting of 9ltr. Water Type Fire Extinguishers	10	Nos
2	4.5 kg CO2 type Extinguisher with wall mounting brackets	2	Nos
3	Supply, Installation of a set of 4 Nos. of Fire Buckets with a stand	1	Set
4	Approval of File NOC	1	Job
Sub Total (D)			

SUMMARY OF BID

Section	Description	Total Amt (INR)
A	Fire Riser System Total	
B	Fire Pump System Total	
C	Fire Alarm & Detection System Total	
D	Fire Extinguishers & Compliance Total	
1	Total Estimated Cost (Excluding Taxes)	
2	Add: GST / Applicable Taxes (@ ____ %)	
3	GRAND TOTAL AMOUNT (In Figures)	