

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB

NAME OF THE WORK :- SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF FIRE FIGHTING & SUPPRESSION SYSTEM AT JMFC COURT BUILDING, BHAPUR IN THE DISTRICT OF NAYAGARH.

BID REF NO :- 51/PM/ELECT/OPHWC/2022-23

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	50006271 Supply of Fire Bucket .[FIRE]	NO	1	1900	1900.00
2	50006363 Fabricating & Supply, installing, testing and commissioning of control panel for Terrace Pump.	NO	1	25000	25000.00
3	50006365 Supplying, laying, testing & commissioning of PVC outer sheath, steel armoured, aluminium / copper conductor, 1100v grade power cables with glands etc.The cables shall be laid in tray / Hume pipe / in trenches / on walls / floor etc. as required. For cables laid out door the rate shall exclude earth excavation providing brick and sand protection, refilling and compacting the earth. 16 sq.mm 4 Core Aluminium Cable (For Booster Pump)	RMT	75	291.82	21886.50
4	50006367 G.I. Earthing strips of 50mm x 6mm thick, strip shall be run on floor / ceiling / walls, from the equipment to the nearest Earth pit with necessary accessories as required. (Earth pit shall be executed by other agencies).	RMT	50	245	12250.00

5	50006371 Supplying, installing, testing and commissioning of 100 mm nominal dia for (Terrace) ISI Mark Dual Plate Wafer Type Non-return valves (PN 16) with required flanges, nuts, bolts and gaskets etc. complete	NO	1	7250	7250.00
6	50006373 Supplying, Installing, testing and commissioning ISI Mark CI butterfly valves(PN 16) slim seal standard lever operated type with required flanges, nuts, bolts etc. complete.	NO	5	6850	34250.00
7	50006379 Supply and installation of Pressure switches of suitable range (0 to 12 bar) for pumpsets with Fittings like Ball Valve unions / colors / reducers etc.	SET	1	5950	5950.00
8	50006381 Supply and installation of Pressure gauges of suitable range (0-16 bar), 100 mm diameter dial for pumpsets with Fittings like Ball Valve, Unions / colors / reducers etc.	SET	1	1700	1700.00
9	50006389 Supplying, installing, testing and commissioning of M.S Pipes conforming to IS 1239 Pt - I Medium grade with painting, suitable type of supports (Shall be fabricated by M.S. Channel / Angle / Flat for above 50 mm dia), anchor fasteners, bolts nuts, clamps, "U" bolts, malleable specials such as Reducers, Tees, elbows, flanges. Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports etc, as per drawings. The quoted rate shall also include for chasing / chipping walls, making bore holes in walls / floor and making them good with filler material and finished in cement mortar etc. complete. 100mm nominal dia [FIRE]	RMT	40	1784	71360.00

10	50006393 Hose reel drum of swinging type with 19mm dia Rubber braided hose of 30M. length with Gate valve (upstream) and Shut off nozzle, complete.[FIRE]	NO	2	6600	13200.00
11	50006395 Supplying and installation of Fire Air vessel of 150mm dia and 1m high fabricated from 6-8 mm thick M.S. plate suitable for 10kg/sqcm. working pressure with accessories, painted with two coats of Postal red enamel outside over a coat of primer.[FIRE]	NO	1	15300	15300.00
12	50006397 Floor identification signage (ie, GROUND FLOOR ...etc.) at each stair enclosure on every floor, indicating the floor number in words, lettering size shall be 7.5 cm with contrasting colour from back ground.Size shall be 15cm x 60cm.[N.S.W.I]	NO	2	650	1300.00
13	50006401 Providing and fixing the signages "Assembly point - with symbol (A2 Size)" - Size 17" x 22"[N.S.W.I]	NO	1	950	950.00
14	50006403 Supply installation testing and commissioning of CO2 4.5kg capacity Fire Extinguisher made from seamless steel cylinder with initial charge complete with wall fixing bracket. The extinguisher shall conform to IS 2878 and have certification mark engraved.[FIRE]	NO	4	6500	26000.00
15	50006405 Supply and installation testing and commissioning of DCP 6kg capacity Fire Extinguisher with brass forging cap, 120 Gms CO2 gas cartridge inner container, hose and plain nozzle supplied with initial charge complete with wall fixing bracket. The extinguisher shall conform to IS 2171 and have certificate mark engraved.[FIRE]	NO	4	4000	16000.00

16	50006433 Supplying, installing, testing and commissioning of Gun metal /Brass Forged chrome finished Ball valves with fittings of screwed end type.25mm dia.(For hose reel)[FIRE]	NO	2	1180	2360.00
17	50006450 Providing and fixing the signages "In case of fire pull down - with Manual call point symbol ". Size 6" x 8".[FIRE]	NO	3	400	1200.00
18	50006452 Providing and fixing the signages "Main fire alarm panel." Size 6" x 8".[FIRE]	NO	1	500	500.00
19	50006456 Single headed hydrant valve as per IS 5290, made of S.S with 63 mm dia instantaneous outlet of 80 mm dia fanged inelt ,Blank caps , chain and hand wheels etc complete..[FIRE]	NO	2	5780	11560.00
20	50006460 1 no. S.S short branch pipe with nozzle.[FIRE]	NO	2	2165	4330.00
21	50006462 M.S. Hose Cabinet fabricated out of M.S. sheet of 16 swg. with glass fronted (4mm thick glass with rubber beeding) and size of the Cabinet shall be 600 mm (L)x450mm(H)x250mm(Width).Quoted rate shall be includes Hinges, all fasteners etc, and Door shall be powder coated of approved colour both inside and out side.[FIRE]	NO	2	10700	21400.00
22	50007263 Supplying, installing and commissioning C.I. flanged "Y Strainer" with suitable flanges, nuts, bolts, gaskets etc. complete.100mm dia.[FIRE]	NO	1	18800	18800.00

23	50007267 Supplying, installing, testing and commissioning of ISI Mark Dual Plate Wafer Type Non-return valves (PN 16) with required flanges, nuts, bolts and gaskets etc. complete.150 mm nominal dia[FIRE]	NO	2	10000	20000.00
24	50007269 Supplying, installing, testing and commissioning of flow switch (water flow detector) , Flow switch shall have a paddle made of flexible material of the width to fit within the pipe bore. The terminal box shall be mounted over the paddle/ pipe through a connecting socket.The switch shall be potential free in either NO or NC position as required. The switch shall be able to trip and make/ break contact on the operation of a sprinkler head. The terminal box shall have connections for wiring to the Fire alarm panel. The seat shall be of stainless steel. The flow switch shall have IP: 55 protection.100mm dia[FIRE]	NO	1	12000	12000.00
25	Supplying and installation of Fire pressure vessel of 300mm dia and 2.0m high fabricated from 6-8 mm thick M.S. plate suitable for 10kg/sqcm. working pressure with accessories, painted with two coats	NO	1	43500	43500.00
26	50007273 Supplying & fixing MS Class 'C' diesel engine exhaust pipe duly insulated with 50mm. thick glass wool with 1 mm, thick aluminium sheet cladding, residential silencer,including all fittings, clamps, steel support of suitable dia for the engine. The pipe shall be provided with 12 mm thick supercera ceramic fibre rope.80mm dia.[FIRE]	RMT	6	2000	12000.00

27	50007275 Entire fire Supression /FACP /Fire Telephone System Instrumentaiton, Integration, testing & training charges.[FIRE]	SET	1	25000	25000.00
28	Supplying, installing, testing and commissioning of M.S Pipes confirming to IS 1239 Pt - I Medium grade with painting, suitable type of supports (Shall be fabricated by M.S. Channel / Angle / Flat for above 50 mm dia), anchor fasteners, bolts nuts, clamps, "U" bolt, malleable specials such as Reducers, Tees, elbows, flanges. Including cutting, Welding, fixing in / on walls, ceiling by using	RMT	20	1270	25400.00
29	50007279 2 lengths of 15 mtr. long, 63mm dia RRL hose with instantaneuos couplings and Hoses shall be stored inside the hose cabinet.[FIRE]	NO	4	4550	18200.00
30	50007281 Supplying, installing and commissioning of fire brigade inlet connection of 4 way with 4nos. 63 mm dia. built - in Gun metal Non-return valves instantaneous coupling type.. Pipe manifold and connected to wet riser main . Quoted rate shall be included with C.I. Butterfly valve, complete.[FIRE]	NO	1	17650	17650.00
31	50007283 Providing and fixing the signages "Fire Exit, Fire Exit Arrow Down, Fire Exit Arrow Left, Fire Exit Arrow Right" of 1.5 in. height letters in white with green back ground.The size of the board shall be 25cm x 15 cm and shall be fixed at the height of 2 mts.[FIRE]	NO	18	650	11700.00

32	50007287 Supply,installation, testing and commissioning of Microprocessor based intelligent and electronically addressable fire alarm panel Single Loop expandable to 2 Loops, Maximum 477 addressable devices, 30 Zone, 2 Bell Circuit. The panel shall have 240 volts AC power supply, automatic battery charger, 24 volts, sealed lead acid maintenance free batteries with battery back up for 8 hours normal operation and 15 minutes alarm operation .Panel shall be provided with all accessories and equipment.[FIRE]	SET	1	95000	95000.00
33	50007291 Supply, installation, testing & comissioning of Short circuit isolator with all the required components and accessories to complete the item.[FIRE] (Ground Floor)	NO	5	2060	10300.00
34	50007301 Supply, installation, testing & comissioning of 4 x 4 GI Box [FIRE].	NO	50	170	8500.00
35	50007303 "Supply, installation, testing & comissioning of Semi Flush Mounting Re-settable (Non-Breaking Glass), Supplied with Special Reset Tool - Compatible with both I & DI Series (Certified by LPCB)"[FIRE]	NO	3	5590	16770.00
36	50007305 Supply, installation, testing & comissioning of Anti Tamper Security Cover.[FIRE]	NO	3	590	1770.00
37	50007307 Supply, installation, testing & comissioning of Addressable loop powered sandwich type Combined Sounder and Strobe certificated by LPCB[FIRE]	NO	5	4540	22700.00

38	50007309 "Supply, installation, testing & comissioning of Single Input/Output Module (Certificated by LPCB) - Loop Powered"[FIRE]	NO	1	6240	6240.00
39	50007311 12 watts Wall Mount/Ceiling Recessed LED Lights[FIRE]	NO	10	1200	12000.00
40	Supply, laying, termination, testing & commissioning of 2 Core 1.5 sq.mm. Armoured copper cable in surface by saddling using GI metal saddles.[FIRE] (Ground Floor)	RMT	150	110	16500.00
41	50007315 Supply, laying, termination of 2 Core 1.5 Sq. mm power cable in MS conduit per running metre of cable used.[FIRE]	RMT	100	150	15000.00
42	50007317 Supply, installation, testing and commissioing of Contactor in DIN mount electrical panel of suitable size to switch on power to led lights automatically during power failure.[FIRE]	NO	1	5500	5500.00
43	Invertor with 120 minutes backup[FIRE].	SET	1	20000	20000.00
44	50007329 Supply, erection, testing & commissioning of electrical motor driven Booster pump with gland packing and capable to deliver 450LPM discharge, with weather proof control panel complete. The quoted rate shall includes providing & fixing of coupling, coupling gaurd etc.	NO	1	75000	75000.00
45	50007332 Supplying, Installing, testing and commissioning 100mm nominal dia(4 way FSI)ISI Mark CI butterfly valves(PN 16) slim seal standared lever operated type with required flanges, nuts, bolts etc. complete.	NO	1	6900	6900.00
	Total Rs.				812076.50
	Total Estimated Cost				812076.50
	Total Estimated Cost in Figures				8,12,077.00

EXCESS	<input type="checkbox"/>	LESS	<input type="checkbox"/>	(Please Tick)	_____ %
Quoted Amount in Figure					
Quoted Amount in words					

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

**Sd/-
APM (Elect.) Hqr.**

**Sd/-
Project Manager(Elect.)**