

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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PRICE BID FOR THE WORK UNDER S.L. NO - 02 AS PER IFB

NAME OF THE WORK:- SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF FIRE FIGHTING SYSTEM AT MANGALABAG POLICE STATION BUILDING, UPD, CUTTACK IN THE DISTRICT OF CUTTACK.

BID REF NO :-01/JM/ ELECT/OPHWC/2021-22

NAME AND ADDRESS OF THE FIRM

SCOPE OF WORKS

| SL.NO. | DESCRIPTION OF WORK | UNIT | QNTY | RATE | AMOUNT |
|------------------------------|---|------|----------|-------------|-------------|
| A FIRE ALARM SYSTEM | | | | | |
| 1 | 8 Zone, 4 Programmable Sounder Circuit, 1 Fire Output, 1 Fault Output, Built-in Battery Charger, Excluding Batteries (Certificated by LPCB) Make: GST, L&T, Bosch | No | 1.00 | ₹ 31,558.92 | ₹ 31,558.92 |
| 2 | Conventional Optical Detector, Drift Compensation, 8Bit .8Bit Processor with Remote Indicator Output Make: GST, L&T, Bosch | No | 75.00 | ₹ 1,247.32 | ₹ 93,549.00 |
| 3 | Conventional Fixed Temperature and Rate of Rise Heat Detector, 8 Bit Processor with Remote Indicator Output (Certified by LPCB) Make: GST, L&T, Bosch | No | 1.00 | ₹ 1,218.75 | ₹ 1,218.75 |
| 4 | Common Detector Base for addressable and conventional detector (Certified by LPCB) | No | 76.00 | ₹ 255.36 | ₹ 19,407.36 |
| 5 | Conventional Hooter with strobe | No | 9.00 | ₹ 1,785.71 | ₹ 16,071.39 |
| 6 | Manual Call Point with resettable key | No | 9.00 | ₹ 3,202.67 | ₹ 28,824.03 |
| 7 | Digital Input Module | No | 1.00 | ₹ 4,909.82 | ₹ 4,909.82 |
| 8 | Digital Output Module | No | 1.00 | ₹ 4,909.82 | ₹ 4,909.82 |
| 9 | Supply and laying of 2 Core 1.5 Sq mm cable in Rigid PVC Pipe per running metre of cable used. Make: Finolex, Polycab, Havells | No | 1,125.00 | ₹ 66.96 | ₹ 75,330.00 |
| 10 | 4"x4" GI box | No | 76.00 | ₹ 89.29 | ₹ 6,786.04 |
| 11 | Battery | No | 2.00 | ₹ 895.00 | ₹ 1,790.00 |
| 12 | System installation, testing and commissioning charges | No | 1.00 | ₹ 7,000.00 | ₹ 7,000.00 |
| B FIRE HYDRANT SYSTEM | | | | | |
| 1 | Supply, erection, testing, jointing and commissioning of MS Class B pipes ISI Marked of TATA or other approved equivalent make with welded joints including painting with Post Office Red Paint with all required specials such as bends, tees, reducers, gaskets, nuts, bolts, clamps etc as required. | | | | |

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|----|---|------|----|-------------|-------------|
| a | 100 mm dia | RM | 35 | ₹ 1,250.00 | ₹ 43,750.00 |
| 2 | Supply, Erection, Commissioning & Testing of GM Single headed hydrant valve with 63 mm oblique outlet with blank PVC cap with chain as per IS 5290 | Each | 3 | ₹ 7,500.00 | ₹ 22,500.00 |
| 3 | Gate Valves 100 mm dia | Each | 2 | ₹ 5,000.00 | ₹ 10,000.00 |
| 4 | Supply, installation, testing and Commissioning of Hose boxes to accommodate 2 sets of Type A hoses of 15 mt length each and with 1 pair of Male and Female coupling and one branch pipe with nozzle. The cabinet shall be made of 16 SWG MS sheet with a double door glass front and painted with Scarlet Red colour of Size 30"x24"x10" wall mounted. | Each | 3 | ₹ 2,900.00 | ₹ 8,700.00 |
| 5 | Supply and Fixing of Type A Hoses 63 mm dia of 15 m length with heavy quality GM coupling as per IS 8423 | Each | 3 | ₹ 3,800.00 | ₹ 11,400.00 |
| 6 | Supply and Fixing GM branch pipe with 63 mm dia female inlet and male threaded outlet with hexagonal based nozzle as per IS 903 | Each | 3 | ₹ 2,100.00 | ₹ 6,300.00 |
| 7 | First aid Hose reel drum of 180° swinging type with 19mm dia Rubber braided hose of 30M. length with Ball Valve and 6mm diameter Shut off nozzle, complete. The hose reel shall conforming to IS 884 | Each | 3 | ₹ 9,400.00 | ₹ 28,200.00 |
| 8 | Supply erection testing and commissioning of Terrace Booster Pump for giving discharge of 900 lpm with DOL Starter Panel to operate 400 /440 volts 3 phase 50 cycles AC supply with a terminal box suitable for the reception of power cable termination, common base plate, necessary foundation bolts and accessories, pressure gauges, test valve connections etc., all as per detailed specification. Make: Kirloskar | Each | 1 | ₹ 45,000.00 | ₹ 45,000.00 |
| 9 | Supply , Erection, Commissioning & Testing of wheather proof control panel for the motors. | Each | 1 | ₹ 30,000.00 | ₹ 30,000.00 |
| 10 | Construction of Valve Chamber for sluice Valve of size 1000 x 1000 x1200 mm with 230 mm thick brick wall and MS chequered plate. | Each | 1 | ₹ 14,000.00 | ₹ 14,000.00 |
| 11 | Supply & fixing of air cushion vessel (1 m length and 250 mm dia, 4 mm thick MS plate) with drain and safety valve. | Each | 1 | ₹ 8,500.00 | ₹ 8,500.00 |

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|----------|---|------|----|-------------|-------------|
| 12 | Supplying, installing and commissioning of fire brigade inlet connection conforming to IS 5290 comprising of 4nos. 63mm dia instantaneous couplings complete with CI non-return valve, CI butterfly valve, connected to 150 mm dia for tank filling. | Each | 1 | ₹ 13,000.00 | ₹ 13,000.00 |
| 13 | Supply and installation testing and commissioning of differential Pressure switches of suitable range (0 to 12 bar) for pumpsets complete with necessary Ball valves, Fittings like unions / colors / reducers etc.(Standard type for main pump & Differential type for Jockey Pump) | Each | 2 | ₹ 2,500.00 | ₹ 5,000.00 |
| 14 | Supply and installation testing and commissioning of Pressure gauges of suitable range (0-16 bar), 100 mm diameter dial for pumpsets completes with necessary Ball valves, siphon, Fittings like unions / colors / reducers etc. | Each | 1 | ₹ 4,800.00 | ₹ 4,800.00 |
| 15 | Supplying and erecting of Pre fabricated M.S structural steel supports such as angle, Channel, Plate etc. conforming to relevant IS standards for laying above ground Hydrant Pipe. Quoted rate shall inclusive of one coat of primer and one coat of synthetic enamel paint of approved shade. | Kg | 68 | ₹ 75.00 | ₹ 5,100.00 |
| 16 | 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. | | | | |
| a | 100 mm nominal dia | Each | 2 | ₹ 16,970.00 | ₹ 33,940.00 |
| C | FIRE EXTINGUISHERS MAKE- CEASE FIRE/ FIRE SHIELD/ UFS | | | | |
| 1 | Supply installation testing and commissioning of Clean Agent 2 ltrs capacity Fire Extinguisher with initial charge complete with wall fixing bracket. The extinguisher shall conform to IS 940 and have Certification mark engraved. | Each | 16 | ₹ 4,300.00 | ₹ 68,800.00 |

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|-------------------------|---|------|--------------------------|---------------|---------------------|
| 2 | 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 IS2878 and have certification mark engraved. | Each | 16 | ₹ 3,500.00 | ₹ 56,000.00 |
| 3 | Supply and installation testing and commissioning of DCP 5kg 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. | Each | 2 | ₹ 2,460.00 | ₹ 4,920.00 |
| 4 | Supply installation testing and commissioning of Mechanical foam type 9 ltrs capacity Fire Extinguisher (AFFF Concentrate) with upright operation with air induction nozzle, 60Gms CO2 gas cartridge supplied with initial charge complete with wall fixing bracket. The extinguisher shall conform to IS10204 and have Certification mark engraved | Each | 2 | ₹ 1,375.00 | ₹ 2,750.00 |
| D | illuminated Signage | | | | ₹ 5,000.00 |
| E | System Integration charges | | | | ₹ 30,000.00 |
| | | | | TOTAL | ₹ 749,015.13 |
| | | | | Or Say | ₹ 749,015.00 |
| EXCESS | <input type="checkbox"/> | LESS | <input type="checkbox"/> | (Please Tick) | _____ % |
| Quoted Amount in Figure | | | | | |
| Quoted Amount in word | | | | | |

N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Joint Manager (Elect)