

| Tender Inviting Authority: JOINT MANAGER [ELECTRICAL DIVISION] , THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, | | | | | |
|---|---|-------------|-------------|-----------------------|-----------------------|
| Name of work :-SUPPLY, INSTALLATION, TESTING & COMMISIONING OF FIRE ALARM & FIRE HYDRANT WORK AT DISTRICT JUDGE COURT BUILDING AT MALKANGIRI IN THE DIST. OF MALKANGIRI. | | | | | |
| Contract No: BID REF NO.- 18 /JM/ ELECT/OPHWC/2019-20 | | | | | |
| Bidder Name | | | | | |
| <u>SCHEDULE OF WORKS</u> | | | | | |
| Sl. No. | Description of work | Qty. | Unit | Estimated Rate | AMOUNT Rs. |
| G | FIRE ALARM SYSTEM | | | | |
| 1 | Supply of New Intellegent Fire Control Panel- Single loop expandable to 2 loops, Maximum 477 addressable devices, 30 Zone , 2 Bell Circuit , Integrated PSU with Battery Charger , Excluding Batteries. (Certificated by LPCB) Make: GST, L&T, Bosch | No | 1.00 | ₹ 80,782.14 | ₹ 80,782.14 |
| 2 | Supply of Intelligent Optical Detector, Drift Comensation , Sensitivity Adjustment , 8 Bit Processor Conventional Combined Optical Smoke. (Certificated by LPCB) Make: GST, L&T, Bosch) | No | 165.00 | ₹ 2,777.67 | ₹ 458,315.55 |
| 3 | Supply of Common Detector Base for addressable and conventional detector(Certified by LPCB) | No | 165.00 | ₹ 255.36 | ₹ 42,134.40 |
| 4 | Supply of New addressable Loop Powered Combined Base mount Sandwich Type sounder and strobe, Multi Tone, 80 DB @ 1 m FOR i Series Detectors Conventional Combined Sounder and Strobe, (Certificated by LPCB) Make: GST, L&T, Bosch | No | 14.00 | ₹ 5,216.07 | ₹ 73,024.98 |
| 5 | Supply of Addressable Fire Fighters Telephone Jack | No | 14.00 | ₹ 1,205.35 | ₹ 16,874.90 |
| 6 | Semi Flush Mounting Re-settable (Non Breaking Glass) , Supplied with special Rest tool- Compatible with both I & DI Series (Certificated by LPCB) Make: GST, L&T, Bosch | No | 14.00 | ₹ 4,393.75 | ₹ 61,512.50 |
| 7 | Supply of Anti Tamper Security Cover - Protects call point from accidental operation. | Mtrs | 14.00 | ₹ 425.00 | ₹ 5,950.00 |
| 8 | Supply of Digital Input Module | No | 2.00 | ₹ 4,910.71 | ₹ 9,821.42 |
| 9 | Supply of Digital output Module | No | 1.00 | ₹ 4,910.71 | ₹ 4,910.71 |
| 10 | Supply of 8 Zone master fire telephone panel | No | 1.00 | ₹ 57,589.28 | ₹ 57,589.28 |
| 11 | Supply of Fire Fighters Telephone Reciver | No | 1.00 | ₹ 2,232.14 | ₹ 2,232.14 |
| 12 | 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 | 4,000.00 | ₹ 66.96 | ₹ 267,840.00 |
| 13 | 4"x4" GI box | No | 165.00 | ₹ 89.29 | ₹ 14,732.85 |
| 14 | Battery | No | 2.00 | ₹ 1,339.28 | ₹ 2,678.56 |
| 15 | System installation, testing and commissioning charges | No | 1.00 | ₹ 12,000.00 | ₹ 12,000.00 |
| I | FIRE HYDRANT SYSTEM | | | | |

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| 1 | Supply, 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. | | | | |
| a | 150 mm dia | 400 | RM | ₹ 1,450.00 | ₹ 580,000.00 |
| 2 | Supply, of GM Single headed hydrant valve with 63 mm oblique outlet with blank PVC cap with chain as per IS 5290 | 18 | Each | ₹ 7,500.00 | ₹ 135,000.00 |
| 3 | Supply, of CI Sluice Valves of 150 mm dia as per IS 780 . | 6 | Each | ₹ 8,100.00 | ₹ 48,600.00 |
| 4 | Supply, of Hose boxes to accommodate 2 sets of Type A hoses of 30 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. | 15 | Each | ₹ 5,800.00 | ₹ 87,000.00 |
| 5 | Supply of Type A Hoses 63 mm dia of 15 m length with heavy quality GM coupling as per IS 8423 | 15 | Each | ₹ 3,800.00 | ₹ 57,000.00 |
| 6 | Supply GM branch pipe with 63 mm dia female inlet and male threaded outlet with hexagonal based nozzle as per IS 903 | 15 | Each | ₹ 2,100.00 | ₹ 31,500.00 |
| 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 | 15 | Each | ₹ 9,400.00 | ₹ 141,000.00 |
| | Supply of automatic centrifugal pumpset of approved make (Horizontal Split type) for giving discharge of 2280 lpm with suitable HP TEFC motor 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 , Type-DSM 125/40 | 1 | Each | ₹ 425,000.00 | ₹ 425,000.00 |
| 8 | Supply of centrifugal jockey pump of approved make, which gives a discharge of 180 lpm of 88 mtrs head , with suitable electrical driven motor when running at 2800 rpm. When directly coupled to suitable HP TEFC motor , foot valve etc, complete. all as per detailed specification.Make- Kirloskar , Type- CPHM 25/26A | 1 | Each | ₹ 92,050.00 | ₹ 92,050.00 |

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| | Supply of automatic centrifugal pumpset of approved make (Horizontal Split casing type) for giving discharge of 2280 lpm of water at a pressure of 88 KSC complete with adequate HP automaic diesel engine driven pumpset having the residential silencer system and other accessories like fuel tank, necessary cooling system , day oil storage tank as per detailed specification and two separte starting mechanism (automatic starting by battery power electric starting motor as well as manual starting by electric start motor) with control panel comprising of pressure switch, pressure gauge, electronic calibrated relay starter , repearter relay push button switch for manual starting , insulation & clading for exhaust pipe all as per the detailed specification. Make- Kirloskar. | 1 | Each | ₹ 625,410.00 | ₹ 625,410.00 |
| | Supply , of wheather proof control panel for the motors. | 1 | Each | ₹ 150,000.00 | ₹ 150,000.00 |
| | Construction of Valve Chamber for sluice Valve of size 1000 x 1000 x1200 mm with 230 mm thick brick wall and MS chequered plate. | 1 | Each | ₹ 14,000.00 | ₹ 14,000.00 |
| | Supply of air cusion vessel (1 m length and 250 mm dia, 4 mm thick MS plate) with drain and safety valve. | 1 | Each | ₹ 8,500.00 | ₹ 8,500.00 |
| 9 | Supplying, 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. | 1 | Each | ₹ 11,040.00 | ₹ 11,040.00 |
| | Supply, of Out door Hose boxes to accommodate 2 sets of Type A hoses of 30 mtr 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 " x 24" x 10" wall mounted. | 8 | Each | ₹ 18,000.00 | ₹ 144,000.00 |
| 10 | Supply of differential Pressure switches of suitable range (0 to 12 bar) for pumpsets complete with necessay Ball valves, Fittings like unions / colors / reducers etc.(Standard type for main pump & Differential type for Jockey Pump) | 1 | Each | ₹ 2,500.00 | ₹ 2,500.00 |
| 11 | Supply 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. | 1 | Each | ₹ 920.00 | ₹ 920.00 |
| 12 | Supplying,of Cast Iron body flanged Y - type Stainer with SS screen complete with suitable flanges, bolts, nuts, washers, gaskets etc. | | | | ₹ 0.00 |
| a | 200mm nominal dia | 3 | Each | ₹ 23,780.00 | ₹ 71,340.00 |

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| 12 | Supplying, of Cast Iron body, Leaded Tin Bronze wedge/ ring, flanged Sluice valve of Non rising spindle type as per IS:14846, PN 16 Rating, for suction and delivery side of the pumps with flanges, bolts, nuts, washers, gaskets etc. | | | | ₹ 0.00 |
| a | 150 mm nominal dia | 2 | Each | ₹ 6,800.00 | ₹ 13,600.00 |
| 13 | Supplying,of Cast Iron body, Nitrile Reinforced rubber ball type Non-return valves confirming to IS:5312 with required flanges, nuts, bolts and gaskets etc. complete. | | | | ₹ 0.00 |
| a | 150 mm nominal dia | 2 | Each | ₹ 6,800.00 | ₹ 13,600.00 |
| 13 | Supplying, of CI Foot Valve of following sizes. | | | | ₹ 0.00 |
| a | 150 mm nominal dia | 1 | Each | ₹ 6,800.00 | ₹ 6,800.00 |
| 14 | Supplying, of Gun metal chrome finished air release valves with fittings of screwed end type. | | | | ₹ 0.00 |
| a | 50mm nominal dia | 20 | Each | ₹ 1,850.00 | ₹ 37,000.00 |
| b | 25mm nominal dia | 25 | Each | ₹ 1,500.00 | ₹ 37,500.00 |
| | Supply of approved make of 25 mm dia automatic air release valve spring loaded type complete with unions etc complete. | 20 | Each | ₹ 1,140.00 | ₹ 22,800.00 |
| 15 | Supplying 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. | 700 | Kg | ₹ 75.00 | ₹ 52,500.00 |
| 16 | Supplying, 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. | | | | ₹ 0.00 |
| | 100mm nominal dia | 2 | Each | ₹ 16,970.00 | ₹ 33,940.00 |
| | Supply of Type A Hoses 63 mm dia of 30 m length with heavy quality GM coupling as per 8423 | 4 | Each | ₹ 4,400.00 | ₹ 17,600.00 |
| J | FIRE EXTINGUISHERS MAKE- KANEX | | | | ₹ 0.00 |
| 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. | 40 | Each | ₹ 4,300.00 | ₹ 172,000.00 |

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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. | 20 | Each | ₹ 3,500.00 | ₹ 70,000.00 |
| 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. | 2 | Each | ₹ 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 | 2 | Each | ₹ 1,375.00 | ₹ 2,750.00 |
| K | illuminated Signage | | | | ₹ 15,000.00 |
| L | System Integration charges | | | | ₹ 200,000.00 |
| | CESS | | | | 44352.69 |
| | Total Rs. | | | | 4479622.12 |
| | Total Estimated Cost in Figures. | | | | 4479622.00 |
| EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____% | | | | | |
| Quoted Amount in Figures. | | | | | |
| Quoted Amount in words | | | | | |

N.B-The Estimate Cost is Exclusive of G.S.T

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect.)

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

Sd/-
Consultant (Elect.)

Sd/-
Joint Manager (Elect.)