

ADVANCED PROTECTION FIRE SYSTEMS

D.no. 18-91/2, Road No.6, Hanumanpet, Malkagiri, Hyd-47.
Ph: (Off):-9866018724, Mobile: 9989698724/9866148724, Email:apfsoffice@gmail.com

TAX INVOICE

M/S.GV Discovery Centre Pvt Ltd,
5-4-187/3&4, II nd Floor Soham Mansion
M.G. Road, Secunderabad, Telanagana-500003
Email:waseem@modiproperties.com
Phone:-9347576914
GST NO:-36AAHCG4562D1ZP

Bill No:-16 Dt:-22/07/2023
PO NO:20230708024
PO DATED:-8/7/2023
GST :-36AMRPP2948R1ZV

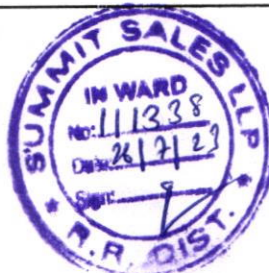
SL NO	ABSTRACT DESCRIPTION	Installation Amount
1	Fire Fighting Systems	0.00
2	Pumps and accessories	0.00
3	Sprinkler System	861900.00
	Total	861900.00
	Basic	861900.00
	CGST@9%	77571.00
	SGST@9%	77571.00
	Grand Total	1017042.00

In Words:-Ten Lakhs Seventeen thousand Forty Two Only

Yours Faith Fully
From



Sr. No.	Item	Total	Unit	INSTALLATION	
				Unit Rate	Amount
I	Aboveground Piping: Heavy, 'C' class pipes , 6.3 mm thick as per IS 1239 / IS 3589 with welded joints, including all fittings, MS rigid support for header and GI stud rod supports for branches, cutting the pipes to correct length jointing with ductile iron Grooved/ threaded fitting, fixing with clamps to G.I brackets, hangers or beam clamps including testing to 15 kgs/cm2 pressure , painting, inserted rubber gaskets with 2 coats of Zinc Dichromate primer and two coat of approved enamel paint.(Fire red). 15% of the field joints shall be radiographed. Pipe supports shall be designed and complied according to the loads specified in NFPA 13 latest edition	Qty			
NOTE	Fittings shall be forged ASTM A 105 3000# socket weld type below 50mm and Seamless ASTM A 234 butt weld type for 50mm and above. Flanges shall be forged A 105 150#				
A	MS PIPE				
i	300 NB 'C' class	0	R.M	1,800.00	0.00
ii	250 NB 'C' class	0	R.M	1,500.00	0.00
iii	200 NB 'C' class	0	R.M	1,200.00	0.00
iv	150 NB 'C' class	0	R.M	720.00	0.00
v	100 NB 'C' class	0	R.M	600.00	0.00
vi	80 NB 'C' class	0	R.M	385.00	0.00
vii	65 NB 'C' class	0	R.M	390.00	0.00
viii	50 NB 'C' class	0	R.M	300.00	0.00
ix	40 NB 'C' class	0	R.M	240.00	0.00
x	32 NB 'C' class	0	R.M	192.00	0.00
xi	25 NB 'C' class	0	R.M	120.00	0.00



V. Ramesh Reddy
24/7/23

9	Supply & Installation of Single headed hydrant valve Type A as per IS 5290, made of SS with 63 mm dia instantaneous outlet of 80 mm dia fanged inlet ,Blank caps , chain and hand wheels etc complete. All the hydrant accessories shall be given serial number for identification, numbers shall be written in the white paint complete, as per directions of EIC	0	Nos.	400.00	0.00
10	Supply & Installation of 15 M long, 63mm dia RRL hose with stainless steel instantaneous couplings binded with copper wire and Hoses shall be stored in side the hose cabinet with Bracket and required accessories.	0	Nos.	100.00	0.00
11	Supply, Installation, Testing & commissioning of first aid fire hose reel of braided rubber/thermoplastic suitably reinforced dia.19mm size & 36m standard length with SS 6mm tapering branch nozzle. Rigid Pipe connection to riser with flanged shut off valve attachment. Hose to be swinging type wall mounted drum to suitable location including fixing with approved fasteners & bolts (Including drum and swivel arrangement) etc complete.	0	Nos.	800.00	0.00
12	Self Contained open circuit Automatic Positive Pressure Compressed Air Breathing Apparatus Set confirming to EN137:2006 Type 2 & CBRN approved, with 6.8 liters/300 Bar Aluminium lined fully wrapped carbon composite material Compressed Air Cylinders approved to EN 12245 & CE marked, as per following specifications. SCBA set : CE marked, EN 137: 2006 type 2 approval and CBRN approval. Facemask : EN 136: class 3 Cylinder : CE marked EN 12245 and CCOE Nagpur approved Cylinder valve : EN 144 approved	0	Nos.	-	0.00
13	4 Way gun metal fire brigade breaching inlet with built in NRV and isolation valve suitable for PN16 rating. Instantaneous couplings shall conform to IS:903	0	Nos.	1,200.00	0.00
14	2 Way gun metal fire brigade breaching inlet with built in NRV and isolation valve suitable for PN16 rating. Instantaneous couplings shall conform to IS:903	0	Nos.	800.00	0.00
15	Supply & Installation of SS short branch pipe made of 63 mm dia Male instantaneous coupling with nozzle, conforming to IS 903 complete with supports or clamps.	0	Nos.	100.00	0.00
				Total	0.00
II Pumps and accessories					
Sr. No.	Item	Total	Unit	INSTALLATION	
				Unit Rate	Amount
1	Supply, installation, testing & commissioning of TEFC Electric motor of suitable capacity driven appropriate centrifugal end suction fire water pump of 2850LPM @7 Kg/cm2 discharge pressure, 2900 RPM, with common base plate, coupling, coupling guard, power & control cables, foundation bolts, earthing, anti vortex plate etc. complete as per specifications and drawing. Pump shall be able to deliver 150% of discharge with minimum 65% rated head with suitable motor for the same with shut off not exceeding 120% Pump shall be suitable as per NPSH required & available. Fire pump shall have C.I. casing, CS diffusers, bronze impeller (hard finished and dynamically balanced) and S.S. (304) Shafi with Mechanical seal. Including the necessary piping connections & fittings, flexible coupling, coupling guard & complete, as per directions of EIC. (The pump should be tested for duty point test at factory).	0	Nos.	25,000.00	0.00

8	Supply, installation and testing of additional length of exhaust pipes Class C with 75 mm thick aluminium & mineral wool insulation and density of insulation 48kg/m3 with 26 gauge aluminum sheet with long radius bend from residential silencer with necessary clamps, fixtures, civil works and 2 coat painted with heat resistant, rust proof, bituminous paint of approved colors to full height, in stages of following sizes including suitable rain guard for top. Fixing shall be done with proper GI clamps, expansion bolts, rigid supports, also painted, fixed on the wall / inside the duct etc. complete, as instructed by the Engineer.	0	R.M	1,200.00	0.00
7	Air release valve 25NB	0	Nos.	250.00	0.00
9	Supply, installation, testing & commissioning of 50NB header assembly having 6 Pressure switches range of (1 to 22 bar) for pump sets with Ball valves, Fittings like unions / colors / reducers etc. with IP 33 protection, complete with making provision for draining.	0	Lot	1,500.00	0.00
10	Supply, Installation, Testing & commissioning of Glycerine filled Pressure gauges of 0 - 20 kg/cm2 range, 6 inch dia dial with Ball valves, siphon, Fittings like unions / colors / reducers etc.	0	Nos.	300.00	0.00
11	Supply, Installation, Testing & commissioning of double flanged vertical pressure vessel with bladder of 200Ltrs, PN16 complete with stand and mounting brackets, drain valves, flanged inlet and outlet connections, 25 NB Drain valve.	0	Nos.	3,000.00	0.00
12	Supply, Installation, Testing & commissioning of MS flanged Basket strainer, PN 16 with SS mesh, suitable flanges, nuts, bolts, washer, gaskets etc. complete as required. Flanged drilled to ANSI B16.5 #150.				
i	400 NB	0	Nos.	3,200.00	0.00
ii	350 NB	0	Nos.	2,800.00	0.00
iii	300 NB	0	Nos.	2,400.00	0.00
iv	250 NB	0	Nos.	2,000.00	0.00
v	100 NB	0	Nos.	800.00	0.00
13	SS expansion bellows of PN16 rating for pump suction and discharge of following sizes				
i	250 NB	0	Nos.	600.00	0.00
ii	200NB	0	Nos.	500.00	0.00
iii	100 NB	0	Nos.	400.00	0.00
iv	65 NB	0	Nos.	300.00	0.00
14	Non slam type Check valve Ductile iron body FM approved. Complete with flanges as per ANSI150# / grooved couplings washers, nuts, bolts etc.				
	200 NB	0	Nos.	1,200.00	0.00
	150 NB	0	Nos.	900.00	0.00
	65 NB	0	Nos.	400.00	0.00
15	Structural Steel of IS:2062 complete with fabrication, painting as per existing plant standards, welding, fasteners etc. complete.	0	Kgs	50.00	0.00
16	Supply, installation, testing and commissioning of UL Listed flanged Pressure Relief Valve with ductile iron ASTM A-536 Body & bonnet, self actuated and pilot operated Bronze disc Guide, Nylon reinforced diaphragm, Stainless steel stem & spring, Fusion Bonded Epoxy Coated with matching flanges and waste cone as per specifications, complete. Maximum operating pressure 1600Kpa.				
	200 mm NB x 350 mm NB	0	Nos.	-.00	0.00
17	Forged brass ball valve. 25NB	0	Nos.	100.00	0.00
18	Forged brass ball valve. 50NB	0	Nos.	150.00	0.00
	CABLE TRAY				
19	Supplying and installing of perforated G.I. sheet cable tray with necessary angle iron suspension supports, anchor fasteners etc. complete. Maximum height of suspension shall Not exceed 500 mm. Size of the tray shall be suitable for laying the cables of pumps.	0	Lot	12,000.00	0.00
20	Supplying, installing of G.I. Earthing strips of 25mm 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).	0	Lot	1,500.00	0.00
				Total	0.00