मिरा भाईंदर महानगरपालिका

स्व. इंदिरा गांधी भवन, मुख्य कार्यालय, छत्रपती शिवाजी महाराज मार्ग,
भाईंदर (प.), ता.ठाणे-४०११०१ दुरध्वनी क्रं.२८१९२८२८

बांधकाम / विद्युत विभाग

जा.क्र. मनपा/साबां/विद्युत/ १६९१ **/2023-24**
दि. १५ / १२ **/2023**

प्रति,
सिस्टीम मॅनेजर
माहिती तंत्रज्ञान विभाग तथा जनसंपर्क अधिकारी
मिरा भाईंदर महानगरपालिका

विषय :- जाहीर सुचना वृत्तपत्रात व महानगरपालिकेच्या संकेतस्थळावर प्रसिध्द करणेबाबत.

महोदय,

उपरोक्त विषयांकित **मिरा भाईंदर शहरात पशु- पक्षी प्राणी यांचेसाठी गॅस दाहिनी बसविणे** कामी सोबत जोडण्यात आलेली कोटेशन नोटीस महानगरपालिकेच्या अधिकृत संकेत स्थळावर तसेच स्थानिक वृत्तप्रत्रांमध्ये प्रसिध्द / upload करण्यात यावी.

(नितिन मुकणे)
कार्यकारी अभियंता (साबां/वि)
मिरा भाईंदर महानगरपालिका

PC-03/23-24/PJ/L-512

मिरा भाईंदर महानगरपालिका

स्व. इंदिरा गांधी भवन, मुख्य कार्यालय, छत्रपती शिवाजी महाराज मार्ग,
भाईंदर (प.), ता.ठाणे-४०११०१ दुरध्वनी क्रं.२८१९२८२८

बांधकाम / विद्युत विभाग

जा.क्र. मनपा/साबां/विद्युत/ १६९१ /2023-24
दि. १५ / १२ /2023

// जाहिर नोटीस //

मिरा भाईंदर महानगरपालिका क्षेत्रातील शहरात पशु- पक्षी प्राणी यांचे साठी गॅस दाहिनी बसविणे कामी चालु जिल्हा दरसुचीमध्ये दर उपलब्ध नसल्यामुळे खुल्या बाजारातुन दरपत्रक मागविण्यात येत आहे.

सदर कामाकरिता दि.26/12/2023 रोजी संध्या 4.00 वाजेपर्यंत मिरा भाईंदर महानगरपालिका, मुख्य कार्यालय बांधकाम/ विदयुत विभाग, 4 था मजला येथे स्वारस्य असलेल्या कंत्राटदाराने सोबत जोडलेल्या दरपत्रकातील बाबींकरीता दर भरुन देण्यात यावेत.

(नितिन मुकणे)
कार्यकारी अभियंता (साबां/वि)
मिरा भाईंदर महानगरपालिका

PC-03/23-24/PJ/L-509

MIRA BHAINDAR MUNICIPAL CORPORATION
PWD / Electric Department
Indira Gandhi Bhavan, Chhatrapati Shivaji Maharaj Marg,
Bhaindar (W) 401101,
Tal. Dist – Thane, Ph. 28192828

// RATE FORM //

Name of Work :- Rate for material require for SUPPLY, INSTALLATION AND COMMISSIONING OF GAS CREMATORIUM FOR BIRDS AND ANIMALS, IN MBMC AREA.

Name and address of Contractor :-

B-2 FORM

Sr. No.	Description	Qty	UNIT	RATE
1.	Design, engineering, fabrication, supply, erection, testing and commissioning of PLC based control panel. The furnace control panel should be attached with machine with dust and vernim proof, fabrication from sheet metal work of 16 SWG thick SS Sheet with hinged cover with lockingarrangement. The top, bottom and the rear door (where the instrument will bemounted) will be made of 16 SWG thick SS Sheet. The Panel will be painted 2 coats of Red Oxide as primer and final by synthetic light grey shade/powder coated as per IS - 631. 400 X 400 X 200 mm (L X H X D) (i) Pilot Lamp Contractors. ii) Start On/Off Switches, iii) Fuses, push buttons, contactor, relays, MCB's etc. iv) Ammeter & Voltmeter with selector Switch. v) Digital Indicating Temperature Controllers. vi) Thermocouples with sensors for both the Chambers. vii) Motorized Door ON/OFF Switches..	1	item	
2.	Supply, installation, testing and commissioning of Fresh Air injection system - Supply of fresh air forced draught fan having outforced capacity upto 300 water column, for supplying the fresh air to primary chamber for combustion of corpse and for supplying fresh air to dillution chamber/quenching chamber for reducing the outlet heat before before entering the chimeney through wet scrubber, with required dampers and gate valves	1	item	

3.	Supply & fixing of Inconel Thermocouple - Heat sensing range 0 to 1200 degree Celsius having (Cr - Al) sensor housed in SS 304 casing of dimension 600 mm long × 8 mm Outer Dia complete encased and to be fitted with terminal on other end for connection of fire retardant. Compensating wire of cores 0.5 sq. mm. for heat sensing from thermocouple to Temperature controller covered with asbestos embedded rope about 50 m length as per direction of EIC	1	item	
4.	Supply & laying of armoured cable from furmace control panel to different motors in Trench/ Tray/ Wall surface. 1.1 KV grade 4 core 2.5 sq mm Fire Retardant PVC (Copper) including S&F M.S. saddles with earthing attachment in 1 x no. 10 SWG G.I. wire making holes etc, as necessary (Polycab/Havells/KE/Gloster) including double	1	Mtrs	
5.	Design, fabrication, supply and Installation and testing commissioning of complete MS structural work for furnace with structural pipes and sheets of minimum 5 mm thick for supporting the internal refractory linings / Bricks and to bear heat stresses of tempratureupto 1600 degree centigradeas below: Furnace dimension 800 mm x 600mm x 600 mm Outside furnace skin Temp.- 3 ºC above ambient temperature (a) Door Operating Motor - 2 HP, 900- 1440 RPM, 415 V, 3 PH.sq.cage. CONSTRUCTION OF INCINERATION CHAMBER: Design of the Furnace is a double/ stage combustion chamber. Primary chamber is to be used for corpse burning and secondary chamber is to be used for burning the odour and black heavy smoke or can be used as quenching chamber or tunnel, before discharging it into atmosphere via wet scrubber. The modulating burner installed in these chambers should work through ringelmann gas analyser and take command from it through PLC control panel for increasing or decreasing the flame. The outer structure of the combustion	1	Set	
6.	SS with Furnace Charge Door motorized and manually operated with gear box or C.I. made counter weight. Dimesnsions of gate - 1150 mm Width X1050mm. Height X 150 mm thickness (made from SS 5mm thick plate & B Class C channel) MOTORISED BODY CHARGING DOOR : The CHARGNG DOOR should be motorized for automatically opening and closing the primary chamber by	1	Item	

	mere pressing the push buttons provided on the control panel. This enables the door to move to and fro (sliding on main structure), which eases the operation. The motor rating shall be 2 HP, 900-1440 rpm., 415 V, 3 Ph and the same shall be provided along with door operating mechanism, safetyguards, Limit switches etc. In case of Power failure or while not in operation the door can be opened manually. It should be lined with 128 density of ceramic fibre and whytheat K quality castables.			
7.	Supply, installation, testing & commissioning of Hydrulic semi- autometic body Charging trolley withhandle. Mechanically operated MS Steel chequered plate top 3mm thick and 75x40mm. Channel	1	item	
8.	Supply, instaliation, testing and commissioning of complete set of refractory shaped bricks with Refactory work of furnace in both primary and secondary combustion chambers (a), The furnace is lined with 70% percent High Alumina Refractory Bricks, backed up with Cold Face and high quality insulation bricks/Hysil blocks and ceramic fibre blanket of 128 density for making the total wall thickness from outer surface of machine 325mm,withstanding capacity of High Temperature of 1400ºC The inner most refractory, which is hot face is composed of 70% percent HIGH Alumina and having high thermal stress. Hot face refractory bricks are backed up with cold face refractory insulation/Hysilblocks . The two layers of ceramic wool or ceramic board insulation provided between the cold face refractory and the outer body of the Furnace. Thus the temperature of the outer body of the Furnace doesn't exceed 30ºC above the ambient temperature. Refractory Bricks confirm to IS 2042. (b)Complete lining & assembling of entire chamber according to standard size with proper arrangement of accommodation of burners, resting of dead body parts with sufficient opening for falling of ashes to the ash chamber and sufficient ventilation for fresh air spraying (c) Complete lining and assemblingof	1	Set	
9.	FLUE GAS DUCTINGS : The flue gas ducting shall be made from 3 mm thick S.S and M.S. sheet and flanges from 5 mm thick plate confirming to specifications, flanges, bends, gaskets. The ducting shall carry the gases from the Post Combustion Chamber to Venturi System and then	1	Mtr	

	Scrubbing System to the I.D. Fan/Blower. The diameter of the duct shall be 400/300 mm			
10.	Design, engineering, fabrication, supply, installation testing and commissioning of Stainless Steel (304) Pollution Control Device - Stainless steel (grade 304) 3mm thick sheet,wet scrubber cyclone dia of 800 mm, with inbuilt facility of SS Jali and water spray on incoming gases, 200mm dia arrangement for inlet and outlet for gas , with 3mm Tank with minimum water capacity of 3200 litres. & A vertical type recirculation tank capacity 3200 litres, manufactured from 3mm thick stainless sheet of 304 grade with adequate drain system for circulating 5% caustic solution through cyclone scrubber shall also be provided. The complete accessories like valves, fittings are provided. Recirculation pump 2 BHP 3 phase, manufactured by branded company is to be provided for re- circulating scrubbing solution. An overhead HDPE tank of 1000 Liters shall also have to be provided by agency which shall be used to make up the water in this the tank.	1	item	
11.	Design, engineering, Supply, installation, testing and commissioning of induced draft fan impleller made of Mild steel to withstand temperature rise in continuous duty in surrounding ambience. MS sheet covering, with induction motor 3BHP, 3 phase, 415v, 50 hz and other accessories such as belt pulley & The gases coming from the wet Scrubbing System will pass to the chimney stack through the Blower/I.D. Fan . The I.D. fan/Blower shall be designed to suck the hot gases from the wet scrubber and pump them to the chimney stack and shall have the capacity to compensate the pressure drop in the wet scrubbing system. It shall be 'V' belt driven and provided with suitable bearings, dampers, anti-vibration rubber pads, safety guards where evernecessary	1	item	
12.	Design, engineering, supply, delivery at site, installation, testing and commissioning of MS self supported chimney with inspection door and MS Ladder upto Operating platfrom. Chimney should be made with 25 mm thick sheet at bottom plate & 25 mm bottom flange,8mm. then 6mm and then 5mm pipe of MS. Base should be 1200mm, and top is 300 mm. Base plates with ribs and stiffeners. 18 nos. foundation bolts with 32mm dia and 1500mm length supported with steel rope of 8 mm square, 3 sides from	1	Set	

	2nd top flange of chimney including 2 coat of heat resistant paint to avoid corrosion of metal.			
13.	Design, engineering, supply, installation,testing and commissioning of re-circulation water pump motor alongwith necessary pipeline and accessories. 2 HP, 1440 RPM, 415 V, 3 Phase sq cage	1	item	
14.	LPG MANIFOLD Made From CS Seamless Sch 10 , 25 NB Pipe,(Manifold 8 X2), Flexible hose Pipe1M, NRV Brass, Pin Type Cylinder ADOPTER , C.S. Ball Valve flange type With Flanges 25 NB,Regulator By pass system ,REGULATOR Inlet Pressure 17 Bar, Out Let 10 Bar, Flow 100 CUM/Hr Flange End, Providing & Fixing of SS 304 Pressure Gauge with Needle valve,Dial Size 100mm , range 0-16kg./sq. cm, Bottem Connection 1/2', Filter Flange 1" Type Flange End with matching flanges &NutBolt, MS Support , Nut bolt, Fastener , Copper Jumper etc,TestingInstallation and Commissioning of manifold	1	Set	
15.	Providing & fixing CS seamless 40 NB such 40 pipes, complete with all fittings such as elbow, socket, reducer, GIU clamps. including painting pipes & fitting with two coat of synthetic enamel paint of approved quality as per pipe color over a coat of red oxide (Spiral Wended Gasket & Copper Jumper on all Flange joints) and providing & fixing of SS 304 pressure gauge with needle valve, dial size 100mm, range 0-4 kg/sq.cm Bottom Connection ½	1	Mtr	