

## जाहिर सुचना

उप आयुक्त (आरोग्य विभाग), पनवेल महानगपालिका क्षेत्रात प्राण्यांच्या अंत्यविधीकरिता स्मशानभूमीची सोय करणेबाबत आवश्यक बाबींकरिता बाजारभाव दरपत्रके मागविण्यात येत आहे. सदर बाबतचा तांत्रिक तपशील खालीलप्रमाणे आहे.

Animal Crematorium For Small Animal				
	Component	Specifications	Quantity	Amount
1	Design Basis	Carcass Intake - 50 to 100kg Gas Consumption - 14 kg Duration Time - 60 to 90 min.	1	
2	Ash	. 5 %	1	
3	Waste Feeding System	Side Loading Feeding System Automatic Door For Combustion Chamber.	1	
4	Primary Furnace	Single Chamber Furnace Of Size - 4270 Mm X 1980 Mm X 1820 Mm Plate Thickness – 5 To 6 Mm Lining Of Interior Of Furnace – 300 Mm Thick Wall Ceramic Blanket,Insulation Bricks And 70 % High Alumina Refractory Bricks Operating Temperature – 800 °c To 900°c Top Smoke Discharge For Secondary Chamber. Ash Removal Doors To Be Provided For Ash Collection After Combustion.	1	
5	Secondary Combustion Chamber	Made From IS 2062 GradeMild Steel Materials (Or Better) Duly Lined With Insulation Bricks, Refractory Bricks, Hysil Board. Ash Door (With Casted Cement Lining) To Remove Non hazardous Ash from The Chamber. Top Inlet Bottom Smoke Discharge for Longer Gas ResidenceTime.	1	
6	F.D. Fan  Blower With Electric Motor	Supply And Delivery At Site, Installation, Testing And Commissioning Of Fresh Air Injection System Forced Draft Fan Mild Steel Type : Centrifugal Capacity:- 500 Cmh Pressure:- 220 Mmwg Motor Rating :-1 HP	1	
7	Burner Assembly	Total 1 Nos. Of LPG/CNG/PNG Fired Fully Automatic Burner Required With Electric Motor (Each Burner) & In Built Air Regulator. Burners Will Work On Auto ON/OFF As Per The Set Temperature For The Combustion Chambers. The In-Built Blower Will Provide Continuous Air Flow To The Burners To Prevent Damages Due To High Temperature	1	

8	Gas Train	Gas Regulator, Ball Valve, P.R.V, Pressure Gauge. Gas High Pressure Pipe, Mild steel semless pipe, Hex Nipple,30 ft mild steel pipe fitting with clamp fitting with stand.	1	
9	MS Ducting	Ducting size - 324 mm dia. Plate THK. - 4 to 5 mm The secondary chamber to scrubber ducting line should be lined with refractory lining	1	
10	Temperature Sensor	K Type	1	
11	ID Fan With Balanced Impellers Connected With Electric Motor.	ID Fan to be provided with foundation bolis and frames for electric motor. The Air Flow Control Damper Should Be Provided To Control Air Flow Of The System. Type : Centrifugal. Capacity : 6000 Cmh Pressure :350 Mmwg Motor Rating : 5 HP QTY : 1 Pcs	1	
12	Water Pump	No. of unit - 1 Type - mud pump Capacity - 2HP, Flow - 2-3 LPS, Head- 10m Make - Kirloskar, Crompton or any other reputed	1	
13	Wet Scrubber Venture Type)	No. of unit - 1 MOC - SS AISI - 304 Design basis - inlet velocity - 1 M/sec, retention period - 2 sec Type - Venture type Size - 800mm x 1250mm, Plate Thk-3mm	1	
		No. Of Baffle Plate – 1, Plate Thickness – 5 Mm Spray Coil Size - 50mm Dia Pipe Water Circuit - Closed Efficiency - 93 – 95 % Fume Discharge – 1500 Cu.M Per Hour Internal Chamber Of Scrubber & Venturi Tanks Should Be Completely Lined By Rubber Linings Whereas Exterior Should Have Refractor Lining	1	
14	Cyclone System	Supply ,Delivery At Site ,Installation ,Testing, And Commissioning Of Mist Eliminator ( Cyclone System ) With All Accessories Complete As Reqd As Per Technical Specification.	1	

15	Self-Supported Chimney	30 Meters (100 Feet) Long Self Supported Chimney To Be Provided With Foundation Bolts Partially Conical, Rest Straight, M.S. Segments From Bottom To Top. Top Dia – 324mm, Bottom Dia – 1200mm. Metal Thickness From Ground Level To 10m – 16mm, 10m To 20m – 8mm, 20m To 30m – 5mm. 16 Mm Dia . Half Thread High Tension Nut /Bolts With One Spring Washer And One Plain Washer. Steel Core Wire Rope 10mm Foundation Bolts /Nuts 35mm Dia * 1500 Mm Long	1	
16	Water Tank	Mild steel 3000 Lit	1	
17	Mani Fold	Supply and fixing of manifold with a provision of 8 outlet complete set and flue damper set	1	
18	Auxiliary Load	9 kw	1	
19	Control Panel	A Floor Mounted 2 Control Panel Sturdy M.S Structure With Suitable Box Made From Sheet Materials, Mounting Plates, Fitting And Key, Ignition Transformer, Hooter, PVC Channel, Control Fuse, Over Load Relay, Indicating Lamp, Temperature Controller Cum Indicator For The Furnance, Temperature Indicators, Etc., Completely Fitted And Wired. PLC With Color Display Should Be Provided.	1	
		Instruments Like Temperature Sensors Or Equivalent Rtds, Multispan Or Equivalent Controls, L&T Or Equivalent Switch- Gears, Etc. To Be Provided	1	
20	Painting	* All The Equipment & Components Should Be Coated With 2 Coats Of Epoxy Heat Resistance Paint.	1	
21	Furnace Door	Door Opening & Closing Automatic / Manual	1	
22	ASH DOOR	1 no.	1	
23	Body Transportation Trolley	Supply and installation of body charging trolley with motorized mechanisam. The trolley shall be made of suitable M.S. chequered plate for platforms complete with roller etc.	1	

Animal Crematorium For Big Animal			
Name of work: Supply and installation of Animal Waste Incinator with LPG/CNG/PNG for intake 500 to 700 KG/HR			
<b>Design Basis</b>	* Carcass Intake - 500 to 700 Kg/Hr.		
	* Gas Consumption - 30 K.G		
	* Duration time - 90 to 120 Minutes		
	Ash -5%		
	<b>Carcass Feeding System:</b>		
	* TOP Load Feeding System		
	* Hydraulic Feeding System with Automatic door for combustion chamber.		
<b>S r N o.</b>	<b>Discription of technical specifications</b>	<b>Quantity</b>	<b>Amount</b>

1	<b>Primary &amp; Secondary Chamber</b>	<p><b>Primary Chamber</b></p> <ul style="list-style-type: none"> <li>* Single Chamber Furnace of size 4270 mm X 1980 mm X 1820 mm.</li> <li>* Plate thickness- 5 to 8 mm.</li> <li>* Lining of interior of furnace- 400 mm Wall Cermaic Blanketk, High alumina refractory brick IS-8-1994 line with insulation brick IS 2042-2006</li> <li>* Operation temperature- 800° C to 1000° C.</li> <li>* Top Smoke Discharge for secondary chamber.</li> <li>* Ash removal doors to be provided for ash collection after combustion.</li> <li>* Ingtion- Automatic.</li> <li>* Temperature Control- Automatic</li> <li>* Material loading- front gate- automatic</li> </ul> <p><b>Secondary Chamber</b></p> <ul style="list-style-type: none"> <li>* Operating temperature - 1050o C to 1250o C.</li> <li>* Material of construction- Mild steel with High alumina refractory brick IS-8-1994 line with insulation brick IS 2042-2006.</li> <li>* Made from IS 2062 Grade Mild Steel Materials (Or better) Duty Lined with Insulation Bricks, Refractory Bricks, Hysil Boards.</li> <li>* Burner Mounting Arrangement with refractory Burner block.</li> </ul> <p><b>Furnace Door:</b></p> <p>Furnace Door Charging &amp; Discharging Side Fabricated From 5mm To 6 Mm Thickness Door Opening &amp; Closing Automatic.</p> <p><b>Ash Door:</b></p> <ul style="list-style-type: none"> <li>* Ash door (with casted cement lining) to remove Nonhazardous ash from the chamber.</li> <li>* Top Inlet bottom smoke discharge for longer gas residence time.</li> <li>* Furnace door charging &amp; discharging side fabricated from 5mm to 6 mm thickness.</li> <li>* Door opening &amp; closing automatic/manual.</li> </ul>	1	
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2	<b>Thermo couple Heat Sensor</b>	Supply & fixing the thermocouple of heat sensing range 0° - 1200° C (Cr.-Al) sensor housed in S.S 304 casing of dimension 1200 mm long × 22 mm OD complete encased to and fitted terminal on other and for connection of compensating of 2 cores 0.5 sq. Mm CR- AL for heat sensing from thermocouple to temperature controller covered with asbestos embedded rope about 50 m length as per direction of EIC.	1	
3	<b>F.D. Fan/Centrifugal Air Blower with Electric Motor</b>	<ul style="list-style-type: none"> <li>* Supply and delivery at site, installation, testing and commissioing.</li> <li>* Of fresh air injection system forced draft fan mild steel.</li> <li>* Type: Centrifugal.</li> <li>* Capacity:- 500 Cmh.</li> <li>* Pressure:- 220 Mmwg.</li> <li>* Motor Rating:- 2HP (Kirloskar/Crompton)</li> </ul>	1	
4	<b>Burner Assembly</b>	<ul style="list-style-type: none"> <li>* Total 2 Nos. of LPG/CNG/PNG fired automatic Burner Required.</li> <li>* The Burner should be provided with comprising diffuser plate/ burner plate, photo cell housing electrodes with holding brackets, solenoid valve, electrodes caps, flexible hose pipes, spary nozzles, oil filter, blower, etc. connected with electric Motor (each burner) &amp; in built air regulator.</li> <li>* Burners will work on auto On/Off as per the set temperature for the combustion chambers.</li> <li>* The In-built bolwer will provide continuous air flow to the burners to prevent damages due to high temperature.</li> </ul>	1	

		Supply and fixing of manifold with a provision of three outlet, complete set and flue damper set, door guider and slide rails set and stainless-steel duct for flue exhaust Path.		
5	<b>Door Assembly</b>	Motorized Door assembly with Moter, Gear Box and wheels and pocket.	1	
6	<b>Gas Train</b>	* Gas regulator, ball valve, P.R.V, Pressure gauge. * Gas high pressure pipe. * Mild steel seamless pipe fitting. * Hexa Nipple. * 30 Feet mild steel pipe fitting with clamp fitting with stand	1	
7	<b>MS Ducting</b>	* Ducting size - 324 Mm Dia. * Plate Thickless - 4 to 5mm * The secondary chamber to scrubber ducting line should be lined with refractory lining	1	
8	<b>Temperature Sensor</b>	* K Type	1	
9	<b>ID Fan with balanced impellers connected with electric motor.</b>	* The ID fan to be provided with foundation bolts and frame for electric motor. * The air flow control damper should be provided to control air flow of the system. * Type: Centrifugal. * Capacity: 6000 Cmh. * Pressure: 350 Mmwg. * Motor Rating: 7.5 HP. * Qty: 1 PcsO	1	
10	<b>Water Pump</b>	* No of Unit-1. * Type - Mud Pump. * Capacity- 1HP, flow-2 -3 LPS, Head- 10m. * Make- Kirloskar/Crompton	1	
11	<b>Wet Scrubber (Venture Type)</b>	* No of Unit -1. * MOC - SS AISI- 304. * Design Basis - Inlet velocity -1 M/Sec, Retention Period- 2 Sec. * Type- Venturetype. * Size - 800mm x 2500mm, Plate thickness- 5mm to 6mm. * No. of baffle plate-1, Plate Thickness- 5mm. * Spray Coil size- 50mm dia pipe. * Water circuit- Closed. * Efficiency - 93-95%. * Fume Discharge- 1500 Cu.M Per Hour. * Internal Chamber of scrubber & venturi tanks should be completely lined by rubber lining whereas exterior should have refractor lining. {S.S AISI-304fabricated Venturi with packed wet Scrubber and accessories complete including piping as reqd. as per technical specification Material construction :-SS AISI 304 Top dia of scrubber :- 800mm Height of	1	

		scrubber :- 2100mm Position of water spray from top system Water circuit :- closed Efficiency :-93-95 Nozzle Specially designed brass made nozzle. Concentration of particles 150 m/cu. Nominal meter in exhaust air. Velocity of exahaust air :- 1m/sec Fume discharge :- 1500 cu.m per hour Rating of re- circulation :- 2H.Ppump of Kirloskar/Crompton}.		
1 2	<b>Cycloen System</b>	* Supply, delivery at site, installation, testing, and commissioning of mist eliminator (cyclone system) with all accessories complete as reqd as per technical specification	1	
1 3	<b>Self-Supported Chimney</b>	* 30 meters (100 feet) long (from ground level) self supported chimney to be provided with foundation bolts. * Partially conical, reest straight, M.S. segments from bottom to top. top dia- 324mm, bottom dia- 1200 mm. Metal thickness from Ground level to 10m - 16mm, 10m to 20m-8mm, 20m to 30m - 5mm. * 22 mm dia, half thread high tension nut/ bolts with one spring washer and one plain washer. * steel core wire rope 10mm, at distance of 60 feet and 80 feet (3 number each). * Foundation bolts/nuts 35mm dia* 1500 mm long. * Sampling port, Sampling platform. * Paint - Heatproof silver/black. * Ladder- Upto sampling port. {Drought fan 7.5 HP and other accessories suitable for rain protecting hood, SS AISI 304 fabricated ducting to connect existing furnance duct with pollution control arrangements, Recirculation water pump of 2.2HP along with necessary pipeline}	1	
1 4	<b>Water tank</b>	* Mild steel 3000 Lit.	1	
1 5	<b>Mani Fold</b>	* Supply and fixing of manifold with a provision of eight outlet complete set and fule damper set	1	
1 6	<b>Auxiliar Load</b>	* 15 Kw	1	
1 7	<b>Painting</b>	* All the equipment & components should be coated with 2 coats of Epoxy Heat Resistance paint.	1	
1 8	<b>Industrial Lifting Equipment</b>	Stainless Steel Industrial Lifting Equipment, Capacity: 1000 Kg Size: 1000x1000 mm, 1500x1500 mm Lifting meters: 3-14	1	

1 9	<b>Control Panel</b>	Furnace control panel complete with all necessary switches, contractors, instruments, indicating lamp etc. the furnace control panel will be floor mounting, self-supporting indoor type, dust & vermin proof louver arrangement and fabrication from sheet metal work of 2.5 thick M.S. sheet. The top bottom and the rear door (where the instrument will be mounted) will be made from 3.15 mm thick M.S. sheet. The panel will be painted two coats of red oxide as primer and final by synthetic light grey shade as per IS: 631. INCOMER Main MCCB 3 pole 1 nos MCCB handle 1 nos MCCB spreder link 1 nos Digital vif meter 1 nos CT/200/5 AMP 3 nos IND light R.Y.B 3 nos MCB sp 6A 1 nos Spp 1 nos N.link 1 nos OUT GOING MCB :-16 A TP:- 1 nos MCB 10 A TP :3nos CONTACTOR:-12amp:-1nos Contactor :-9AMP:- 3nos O/L REALY-6-10 amp:- 1nos O/L REALY-3-5 amp :- 3 nos Start & stop PB :- 10 nos On IND .Light & Trip ind Light :- 10 nos TB 2.5 mm :- 10 nos TB 10 mm :- 10 nos Contractor 70 amp mnx 70 :- 2 nos Auto man s/s 2 nos Temp meter :-2 nos{* A floor mounted 2 control panel sturdy M.S structure with sutiable box made from sheet materials, mounting plates, fitting and key, lgnition transformer, hooter, PVC channel, control fuse, over load relay, indicating lamp, temperature controller cum indicator for the furnance, temperature indicators, etc. Completely fitted and wired. PLC with color display should be provided.* Instruments like temperature sensors or equivalent Rtds, Multispan or equivalent controls, L&T or equivalent switch-gears, etc. to be provided}	1	
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**Terms & Conditions for Vendors:-**

1	NSIC Certificate with registered product as animal cremation furnace.
2	ISO Certificate.( ISO 14001: 2015)
3	ISO Certificate.( ISO 3834- 1:2021)
4	ISO certificate. (ISO9001: 2015)
5	ISO certificate (ISO 45001:2018)
6	Good Manufacturing certificate
7	CE Certificate
8	Licence to electrical contactors
9	Udhyan Certificate with register product as specification
10	MSME Certificate
11	Start-up India Certificate From DPIIT
12	IEC Certificate.
13	Brand Trademark certificate should be provided.
14	Pledge Certificate.
15	Experience of at least Big Three animals cremation furnace in government NSU department Successful completed.
16	solvency certificate (one Crore)
17	Z certificate.
18	The bidder must be manufacturer of animal incinerator. (OEM)



19	The bidder must have minimum turnover 50% of tender estimate cost of during last three years financial years. The enhancement factor will be considered for calculation of turnover. The bidder must have submitted the CA certificate turnover certificate.
20	The bidder must submit the liquid Asset certificate more than one crore.
21	The bidder must submit the brand trademark certificate (Granted) along with bid.

- १) सदर कामाची सूचना दि. ३१/०१/२०२५ ते दि. ०६/०२/२०२५ पर्यंत दुपारी ०३:०० पर्यंत उपलब्ध राहणार आहेत.
- २) सीलबंद निविदा दि. ०६/०२/२०२५ रोजी दुपारी ०३:०० वाजेपर्यंत पनवेल महानगरपालिकेच्या पशुसंवर्धन विभागात स्विकारण्यात येतील व प्राप्त झालेली दरपत्रके शक्यतो दि. ०६/०२/२०२५ रोजी दुपारी ०३:३० (शक्यतो) वाजता उपस्थित ठेकेदार यांच्या समक्ष उघडण्यात येतील.
- ३) अटी व शर्ती युक्त निविदांचा विचार केला जाणार नाही.

सही /-

उप आयुक्त  
आरोग्य विभाग  
पनवेल महानगरपालिका

जा.क्र पमपा/ पशुसंवर्धन/४४२९/प्र.क्र.२६/११९/२०२५  
दि. ३०/०१/२०२५

प्रत माहितीस्तव —

१. प्रसिध्दीकरीता,
२. माहिती फलक करीता