

POLUR TOWN PANCHAYAT

SCHEDULE - A

Schedule of rates and approximate quantities

a) The quantities here given are those upon which the estimate cost of the work is based but they are subject to alterations, commissions, deduction or additional as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates notes below are those government payment for extra or deductions read with the Town Panchayat councils adaptation form and other conditions or specification of this contract and subject to the accepted tender percentage either below, above or at estimate rates a defined in the tender and as shown at the end of Schedule "A"

b) It is expressly understood that measured work is to be taken net-not withstanding any custom to practice to the contrary according to actual quantities when in place and finished according to the drawing or as may be ordered from time by the Assistant Executive Engineer at the cost calculated by measurement or weight at the respective prices with out any additional charge for any necessary or contingent works connected here with. The rates quoted are for works In-SITE and completed in every respect.

Name of Work : Construction of Bio Mass Crematorium at Ward No:3 C.C.Road Survey No: 1, 2 in Polur Town Panchayat

RS : 150,00,000

Issued Thiru :

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
			- Schedule enclosed -					

Bidder's Signature

POLUR TOWN PANCHAYAT

" TENDER SCHEDULE "

Name of Work : Construction of Bio Mass Crematorium at Ward No:3 C.C.Road Survey No: 1, 2 in Polur Town Panchayat

Contract value :

RS : 150,00,000

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
1			Earth Work Excavation for foundation in all types of soils and sub soils to full depth (such as Soils in Rock / Silt / Light Black Cotton Soil / Ordinary Soil) except in rock requiring blasting but inclusive of shoring, shuttering and bailing out water wherever necessary and refilling the sides of foundation with excavated earth other than sand in layers of 150 mm thick well rammed and consolidated, depositing the surplus earth in places shown by the Departmental Officers with initial lead of 10 m and initial lift of 2 m. Complete as per TNSS 23 & 24, V, VI (S2), VII, 9,10					
a	108.00	m3	GRAVEL SOIL I depth of 2 mt				1 M3 (One cubic metre)	
b	15.00	m3	GRAVEL SOIL II depth of 1 mt				1 M3 (One cubic metre)	
c	8.00	m3	SDR				1 M3 (One cubic metre)	

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
d	342.24	m3	Grade Beam				1 M3 (One cubic metre)	
2	17.00	m3	Supply delivery and filling of River sand in Layer of not more than 15cm thick including watering with all layers and consolidation complying with standard specification including cost and conveyance of sand at site and all labour charges and all other incidental charges etc., complete as per Standard Specification TNSS No. 24 & 25.				1 M3 (One cubic metre)	
3	63.72	m3	Cement Concrete of mix 1 : 4 : 8 (One Cement four sand eight aggregates) using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification.				1 M3 (One cubic metre)	
4	50.00	m3	Supplying and Filling of U/S Gravel from approved quarry in Layer of not more than 15cm thick including watering with all layers and consolidation complying with standard specification including cost and conveyance of sand at site and all labour charges and all other incidental charges etc., complete as per Standard Specification.				1 M3 (One cubic metre)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
5	455.00	m2	Supplying and erecting steel centering including necessary supports for plain surfaces for Reinforced Cement Concrete works such as Coloumn footing, Coloumn pedestals, plith beams, grade beams, staircase steps, etc which requires only nominal strutting using mild steel sheets of size 90mm x 60mm and 10Bg stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc complete in all floors Complying with standard Specification without Strutting. (TNDSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII				1 M2(One Square Metre)\	
6	286.00	m2	Supplying and erecting centering for Sides and Soffits including necessary supports and strutting upto 3.29mt height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90mm x 60mm and 10BG stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia supported at not more than 75cm centre to centre etc complete Complying with standard Specification without Strutting. (TNDSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII				1 M2(One Square Metre)\	

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
7	0.00	0.00	Supplying and erecting centering for Sides and Soffits including necessary supports and strutting upto 3.29mt height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90mm x 60mm and 10BG stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia supported at not more than 75cm centre to centre etc complete Complying with standard Specification without Strutting. (TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII					
	129.00	m2	For plane surfaces such as Rectangular or Square RCC columns, sunshades, top and Bottom slab of RCC boxing etc				1 M2(One Square Metre)\	
8	12430.00	Kg	Supplying and Fabrication of Steel and placing in position MS / Ribbed tor steel grills for RCC works as per design given including cost of steel and GI binding wire in Floors etc., Complete complying with standard specification in force per Kilogram.				1 Kg (One Kilo Grams)	
9	0.00	0.00	Vibrated Rein forced cement concrete 1 : 11/2 : 3 (One Cement one point five sand three aggregates) using 20mm gauge hard Granite broken stone jelly including cost of curing, etc., complete as per standard specification and as directed by Engineer incharge.					

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
	27.00	m3	Below Ground Level				1 M3 (One cubic metre)	
	86.00	m3	Ground Floor 0.00 mt to 4.50mt				1 M3 (One cubic metre)	
10	1.00	m3	Rein forced cement concrete 1 : 8 : 16 (One Cement, Eight sand and Sixteen aggregates) using 20mm gauge hard Granite broken stone jelly including cost of curing, etc., complete as per standard specification and as directed by Engineer incharge.				1 M3 (One cubic metre)	
11	0.00	0.00	Brickwork in cement mortor 1 : 5 (One Cement and five Sand) using best quality of country bricks of size 83/4x41/4x23/4 including all cost of materials and Labour Charges including Curing charges etc., Complete as per standard specification.					
	110.00	m3	Below Ground Level				1 M3 (One cubic metre)	
	70.00	m3	Ground Floor upto 4.50mt				1 M3 (One cubic metre)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
12	260.00	m2	Special Plastering in C.M. 1 : 3 (One cement, three sand) to 10 mm thick including all cost and conveyance of all materials to site including cost of cement which will be purchased locally by the contractor and conveyance of the same to the actual work site and cost form work including watering curing and all leads of good potable water and all other.				1 M2(One Square Metre)\	
13	14.00	m3	Weathering Coarse with concrete broken brick jelly concrete on 20mm. Gauge in pure slaked shell lime (no sand to be used) over roof slab be proportion of brick jelly to being 32cft 12.5 cft. Well beaten with wooden beaters giving the required shape and thickness as directed by the Departmental Officers.				1 M3 (One cubic metre)	
14	179.00	m2	Finishing the Top with One Course of Machine Pressed Tiles of Size 200 x 200 x20 mm of Approved quality laid in cement mortar 1 : 3 (One cement three sand) mixed with water Proof Compounds 2% by weight of cement used and the top pointed with the same mortar etc., complete.				1 M2(One Square Metre)\	
15	86.00	m2	Finishing the floor with Vetrified Tiles of size 600x 600 x 8 mm of approved quality as Instructed by the Engineer incharge and set in Cement mortar 1:2 (1 of cement 2 of sand) 20mm thick using river sand including all cost of labour and all cost of materials etc Complete complying with standard Specifications.				1 M2(One Square Metre)\	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
16	9.00	M2	Finishing the floor with C.C. 1 :2:4 using Power trowel as Instructed by the Engineer incharge 75mm thick using river sand including all cost of labour and all cost of materials etc Complete complying with standard Specifications.				1 M2(One Square Metre)\	
17	1400.00	m2	Plastering in C.M. 1 : 5 (1 cement 5 sand)to 12 mm thick including all cost and conveyance of all materials to site including cost of cement which will be purchased locally by the contractor and conveyance of the same to the actual work site and cost form work including watering curing and all leads of good potable water and all other.				1 M2(One Square Metre)\	
18	770.00	m2	Providing and laying of 80mm thick high strength type conforming IS 15658-2006 of rubberized interlocking paver block in required sizes of minimum compressive strength of 40 N/mm2 in uniform shape of approved make to be laid in flurrying bone pattern with approved non sticking surface in the top and the rate including leveling the base preparation of sub base with stone dust cushion 100mm thick, laying out the pavement cut the pieces to fit the edge, vibrating the pavers, sweeping transporting, loading unloading and laying of paver block as per standard specification.				1 M2(One Square Metre)\	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
19	1570.00	m2	Supplying and Painting the walls with Two Coats Weather sealed Exterior emulsion Paint as instructed by the departmental officers including Preparation of surface curing, etc complete in all floors complying with standard specification. (The Colour and shade of the paint shall be got approved by the departmental officers.)				1 M2(One Square Metre)\	
20	650.00	Kg	Supplying Fabricating & Fixing of Steel Door Frames of size 100 mm x 60 mm x 1.25 mm thick without bottom made from CRF section and rectangular hollow section using cold rolled steel plate conforming to ISI specifications including rigid butt joint, nut and bolt assembly with nylon inserts not to be welded with special purposes hardware precleaned including phosphating as per ISI with rust preventive primer & ready to assemble condition for easy installation at site including dismantling making necessary with power drill to the accessories such as supplying and fixing holdfasts, plastic bush inserts receiver runner bottom shock absorbers etc. and Steel Door Complete as Directed by the Departmental Officer.				1 Kg (One Kilo Grams)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
21	4.00	m2	Supplying and Fixing Solid PVC door shutters (with frame) using 19Gauge 19mm MS square tubes for styles and other frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutters using 5mm thick solid PVC sheet for panelling shall rigidly fixed in position including necessary furniture and fittings. The overall size of styles shall be 50mm x 30mm. The overall size of top rail, lock and bottom rail shall be 75mm x 30mm. The overall size of frames shall be 50mm x 45mm, with suitable rebate for housing the shutter.				1 M2(One Square Metre)\	
22	6.00	m2	Supplying and Fixing of Push and Pull type Rolling Shutter conforming to IS 6248/1979 and as amended from time to time. With ISI make of approved size and section using 18 gauge G.I. sheet. The Shutter shall be painted with one coat of red oxide primer and the rate is inclusive of hood covers, transportation charges etc., and as directed by Engineer incharge.				1 M2(One Square Metre)\	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
23	2.00	m2	Supplying fabricating and fixing in position of Alumi,Anodised natural colour matt finished LOUVERED VENTILATOR fixed window with three panels using 62*38*2mm@1.17kg/m and the louvers with moving arrangement will be made with Aluminium channel of size 60*30*4 mm @ 1.27kg/m with necessary glass panes for louvers 4mm thick Aluminium clips , including all materials,labour,power consumption charges required for fabrication if necessary chipping dismantling making necessary holes in RCC columns, Beams or masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as drected by the departmental officers The Aluminium surfaces should be anodised with matt finish under electrically condition in accordance with IS specification 1868/1962 of Anodic thickness of not less than 15 microns (fifteen) complete. All the materials should be got approved by the Engineer incharge before fixing as directed .				1 M2(One Square Metre)\	
24	23.00	m2	Painting the new iron works such as steel doors, Windows,Ventilators windows bars,balustrades etc, in all floor with two coats of best approved first quality and colour of synthetic enamel paint of approved quality, colour and brand (to be approved by executive engineer before use on works) over one the existing red oxide priming coat in all floors excluding cost of priming coat etc, complete complying with Standard Specification. (The Make, Quality and colour of paint should be got approved by the engineer in charge before use on works) (TNSS NO or NBC No 61 V VI (54) 3)				1 M2(One Square Metre)\	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
25	35.00	m2	Dadoing sides of walls with Glazed design tiles of size 305 x 200 x 6mm set in Cement Mortar 1:3 (One cement, three sand) 20mm thick and pointed with the same colour cement including cost and conveyance of all materials, labour charges complete as per standard specification.				1 M2(One Square Metre)\	
26	1.00	No	Supply and Fixing in position best quality of approved make Indian Water closet of size 580 x 440 mm with all accessories such as 'P' trap or S trap confirming to IS 2556 part XII with sand cushion and forming flooring around the closet using 40mm levelling course 1:4:8 100mm thick and finishing the top to the required slope and including necessary internal connection and outlet connection and making the disturbed portion to original condition without leakage etc., including Labour charges for fixing etc.,				1 No (One Number)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
27	1.00	No	Supplying and fixing in position best Indian make Colour glazed earthenware WASH HAND BASIN (with pedestal)of 550 * 400mm with a pair of C.I. Brackets, including cost of 15mm dia C.P. Pillar tap, 32mm dia B class G.I. Waste with rubber plug and chain, 15mm dia G.M. wheel valve, 15mm brass nipple,15mm dia nylon connection,32mm dia CP brass waste coupling including Fixing of wash basin including CI brackets on to the wall in position with TW plugs and screws rubber washers, white lead and necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti corrosive paint including testing for leakages complete complying with standard specifications and as directed by the Departmental officers. (The The wash hand basin and Specials should be got approved by the engineer in charge before use on works)				1 No (One Number)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
28	28.00	RM	Supplying and Fixing in position best approved of BIS quality 100mm U P.V.C Rain Water down fall pipe having a pressure of 4Kg / Sq.cm including cost of necessary U.PVC shoe,PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails etc, and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc, complete. The rate shall be inclusive of cast of removable cast iron grating. The PVc pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.00mt pipe length etc, Complete Complying with Standard Specifications.				1 Rm (One Running Metre)\	
29	35.00	m2	Supply and fixing in position of Supplying and fixing terra kotta jally including conveyance of all material to site and all other labour charges for fixing etc., Complete.				1 M2(One Square Metre)\	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
30	37.00	No	Wiring with 2 x 1.5 Sq.mm (22/0.3) PVC insulated SC Unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and Ceiling with PVC accessoires in flush with wall with 3mm thick Hylum Sheet cover with TW Switch box and 5A F.T. Switch and making good of the Concealed portion with suitable colour for PVC CONCEALED LIGHT POINT/FAN POINT (for Electronics Regulator) (SD NO: 24)				1 No (One Number)	
31	6.00	No	Wiring with 2 x 1.5 Sq.mm (22/0.3) PVC insulated SC Unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and Ceiling with PVC accessoires in Flush with wall 150mm x 100mm x 113mm TW Switch box with 3mm thick Hylum sheet cover for 5A 3 pin non inter locking CS Plug with continuous earth wire connection of 14SWG TC wire and making good of the Concealed portion with suitable colour for CONCEALED PVC PLUG POINT (SD NO: 36)				1 No (One Number)	
32	22.00	No	Supplying and Fixing of single box type 4 x 36 W Fluorescent Tube Light fitting complete with Electronic Choke and Teakwood Round blocks on wall or ceiling with fluorescent tube with PVC unsheathed copper leads from terminals to the fitting. [SD 87]				1 No (One Number)	
33	6.00	No	Supplying and Fixing of 450 mm (18") sweep (light duty) AC Exhaust Fan complete without provision of hole in the wall [SD 115]				1 No (One Number)	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
34	2.00	No	Supplying and Fixing of 3 phases 4 wire 4 way ICDB of 32 amps per way with 100 amps TPN MC switch with suitable trucking box. MS cable entry boxes and internal connection on suitable angle iron frame work with earth connection [SD 178]				1 No (One Number)	
35	2.00	No	Supplying and Fixing of Horizontal Type 4 way Triple Pole natural MCB distribution board in sheet steel enclosure with 40 amps 4 pole MCB isolator as incoming and 12 Nos. 6A to 32 A MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. [SD 179]				1 No (One Number)	
36	1.00	No	Earthing as per PWD standard with an earth electrode of 2 M class 'B' GI pipe of diameter not less than 32 mm Complete with necessary masonry work. [SD 234]				1 No (One Number)	
37	50.00	m	Supplying and Run of 3 /20 mm PVC Unsheathed Copper Cable in suitable PVC rigid pipe connection on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour				1 M (One Metre)	
38	50.00	m	Supplying and Run of 2 of No. 8 SWG GI wire for guarding with cradle with No 8 SWG GI wire at an equal interval of 1.5m [SD 75]				1 M (One Metre)	
39	20.00	m	Supplying and Laying of 3½ x 50 sq.mm PVC armoured LTUG Cable in a trench to be excavated at a depth of 0.75 M putting 0.15 M layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good. [SD 206]				1 M (One Metre)	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
40	15.00	m	Supplying of 4 x 10 sq.mm PVC armoured LTUG Cable in a trench to be excavated at a depth of 0.75 M putting 0.15 M layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good. [SD 202]				1 M (One Metre)	
41	60.00	m	Supplying and Run of 2 No of 1 .50 sq.mm [22 / 0.30) PVC Unsheathed Core Cable of 1100 V grade in suitable PVC rigid pipe of wall and ceiling with continuous earth wire connection 14 SWG TC wire with painting suitable color [SD 54]				1 M (One Metre)	
42	5.00	No	Supplying and Fixing of 1200mm (48") sweep AC Ceiling Fan complete with stepped electronic 300 W regulator, with 1 M down rod with fan clamp with side plates and cross arm of size 450 mm (18") [SD 106].				1 No (One Number)	
43	4.00	No	Supplying and Fixing of WT Bulk Head Fitting Guard (Philips / Bajaj / Crompton / K.lite) suitable for Incandescent Lamp with 60 W bulb [SD 84].				1 No (One Number)	
44	1.00	No	Supply and Fixing of TNEB meter Board suitable for 32aA Three Phase Service connection with 3 Nos 32A Fuse unit (500V) 32A neutral link and earth link (1" x 1/8" Copper Flat) on TW Plank of Size 375mm x 300mm x 19mm with Supporting TW Reepers of 1" thick an either side with Painting with Suitable bolt and nuts for fixing the TW Plank on wall with earth connection and inter connection with 7/20 PVC insulated copper wire from EB Meter to Fuse Unit (SD No :127)				1 No (One Number)	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
45	Ls	0.00	T.N.E.B Service Connection charges (This Including Deposit for 3 Phase Connection)					
46	0.00	0.00	Drilling 150 mm Dia bore well in allurial soil or segmentary starate using not by rig by first drilling a pilot bore of 115 mm dia direct rotary mud circulation method, using contractors rig tools fuel labour for drilling, bentonite Labour drilling at the site shown by the department officers.				1 M (One Metre)	
46.a	25.00	m	Borewell in loose soil				1 M (One Metre)	
46.b	208.00	m	Borewell in SDR				1 M (One Metre)	
47	12.00	M	Supplying and Fixing of 150 mm Dia of Casing Pipe including all cost and conveyance etc Complete.				1 set (One Set)	
48	1.00	Set	Supply and delivery of Three phase of 100 LPM 175 mtr Head Submersible pumpset of Motor ISI/ISO with Three PHASE PANEL BOARD WITH TWO LEVEL GUARD AND AUTO START as per ISI Specifications including all cost and conveyance to site etc., Complete (including GST)				1 No (One Number)	
49			Supply and delivery of Following PVC and G.I. Medium Class pipes and Specials as per ISI Specifications for Pumpset erection including Cutting and Threading of G.I. pipe, MS push for plunger rod, Interconnection work etc Complete for Borewell only.					

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					Figure	WORDS		
1	2		3	7	5	6	7	7
A	200.00	m	32mm G.I. 'B' Class Pipe				1 No (One Number)	
B	6.00	No	32mm G.I. Bend				1 No (One Number)	
C	2.00	No	32 mm CI Flange set				1 No (One Number)	
D	2.00	No	32 mm MS Clamp Set				1 No (One Number)	
E	32.00	No	32mm G.I. Coupling				1 M (One Metre)	
F	240.00	m	4.0Sq mm 3 Core Copper Flat Cable				1 No (One Number)	
G	1.00	No	32 mm GI Nipple 10cm long				1 No (One Number)	
H	1.00	No	32 mm GI Nipple 5cm long				1 No (One Number)	
I	1.00	No	32mm G.I. Elbow				1 No (One Number)	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
J	1.00	No	32mm G.I. TEE				1 No (One Number)	
K	1.00	No	32mm G.M. Gate Valve				1 No (One Number)	
L	1.00	No	32mm mm NRV				1 No (One Number)	
50	1.00	No	Labour Charges for erection of Submersible pumpset and erection of Panel Board in Position etc, Complete Complying with Standard Specifications.				1 No (One Number)	
51			Supply and delivery of Following PVC pipes and Specials from Borewell to HDPE tank laying below ground level and above Ground level and HDPE tank to Toilet .					
A	80.00	M	32mm PVC 10Kg / cm2				1 No (One Number)	
B	2.00	No	32mm PVC.Elbow				1 No (One Number)	
C	4.00	No	32mm PVC. Bend				1 No (One Number)	
D	3.00	No	32mm PVC. TEE				1 No (One Number)	

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					Figure	WORDS		
1	2		3	7	5	6	7	7
E	5.00	No	32mm PVC. End cap				1 M (One Metre)	
F	20.00	M	20mm PVC 10Kg / cm2				1 No (One Number)	
G	2.00	No	20mm PVC. Bend				1 No (One Number)	
H	2.00	No	32mmx20mm PVC.reducer TEE				1 No (One Number)	
I	2.00	No	20mm PVC. TEE				1 No (One Number)	
J	3.00	No	15mm dia PVC Screw down Tap				1 No (One Number)	
K	1.00	No	32mm G.M. Gate Valve					
52	0.00	0.00	Supplying and Fixing in position Best Quality P.V.C soil / waste pipes of the following sizes having ISI mark and providing leak proof joints including fixing PVC Specials / MS Clamps etc and making				1 M (One Metre)	
A	40.00	mt	110mm PVC 4KSC Pipe				1 No (One Number)	
B	6.00	No	110mm PVC Elbow				1 No (One Number)	

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
C	2.00	No	110mm PVC Tee				1 M (One Metre)	
D	25.00	Mt	90mm PVC 6 KSC Pipe				1 No (One Number)	
E	2.00	No	90mm PVC Elbow				1 No (One Number)	
F	2.00	No	90mm PVC Tee				1 No (One Number)	
53			Conveyance of PVC pipes and laying it proper gradient and alignment including cost and conveyance of all materials and all labor charges etc.,					
A	30.00	m	PVC Pipe 32mm dia dia				1 M (One Metre)	
B	25.00	m	PVC Pipe 90mm dia				1 M (One Metre)	
C	40.00	m	PVC Pipe 110mm dia				1 No (One Number)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
54	1.00	No	Supplying and fixing of 2000 Liters capacity HDPE tank with IS specification IS 10701/96 the tank is meant for outdoor (or)indoor use complete with removable hinged top locking arrangement and to make provision to fix water supply pipe lines, necessary man hole with cover and including all PVC specials pugs, screws nails to fix the tank etc., complete and the tank should fixed firming as directed by the departmental officers. The rate shall be inclusive of all materials, labour conveyance hoisting and fixing charges etc. (The water tank should be got approved by the EE before use on work.				1 No (One Number)	
55	1.00	No	Supply and fixing in position of 110 mm dia P.V.C. Pipe with cowl of best approved quality confirming to BIS etc , Complete Complying with Standard Specifications. (The PVC cowl should be got approved by the engineer in charge before use on works)				1 No (One Number)	
			MACHINERIES DETAILS					
56	1.00	No	Main Furnace Frame - Fabricated Frame forhousing refractory bricks andequipments, Ash removing door, AshCollecting door and Ash tray, furnace MainDoor , Furnace Supporting frame. Main door lifting mechanism - Manual & Motoroperating mechanism. Door lifting couterweight, ash removing tools and any otheraccessories required tocovering. Specification1. frame made outof set square MS angle size 50mm x 50mm.2. Ash door made out of 50mm x 50mm MSotherfurnace sheetangles and 10mm thickness plate. 3.Furnace main door made out of 6mm thickplate				1 No (One Number)	

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
57	1.00	No	Refractory furnace Chamber including secondary chamber) all fresh air and smoke exhaust trench consist with standard fire bricks. Hot and cold zone bricks, insulating bricks, ceramic blankets, covering slabs of different sizes, body resetting bricks (Selliminate Arch bricks and binding agent (mortar, castable, clay) Door to be insulated with layers of ceramic blankets. Specification: Supplying and 1 set One fixing the following 1) Refractory bricks standard IS 6 & IS 8 to set) withstand temperature upto 1100 degree (2) refractory brick size: 230 x 115 x 75/55mm, refractory binding agent- fire clay, fire crate super mortar ceramic blankets size: 600 x 125mm Gr 8590100				1 No (One Number)	
58	4.00	No	Fully automatic Crematorium (75000 Kcal with all accessories. The LPG 3 shall be 60W Centrifugal controller, auto ignition, LPG solenoid valve, Air pressure guage, LPG Pressure regulator with guage including erection charges				1 No (One Number)	
59	1.00	No	Electrical Control Panel in crematorium with all accessories 2 H.P Pump 1 No, 5H.P Blower motor 1 No, 1H.P output up-down, Temperature Controller 2 Nos, Thermo Couple 2 Nos, Type, including erection burner outputs S Nos, ensor Cable K -charges.				1 No (One Number)	

Bidder's Signature

No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
60	1.00	No	Supply, Delivery and Fixing Gas Cleaning System (GCS) shall have Ash Extractor before the furnace for the removal of ash from the producer gas and shall have a Venturi Scrubbing Arrangement after the furnace capable of removing fine dust particles through wet washing. Capacity of GCS shall match the gasifier rating and capable of washing the hot burned gas exiting from the furnace enabling the burnt gas to meet the TNPCB norms before being let out. The venturi scrubber shall be connected to a wash column for Gas Wash Water Separation. The MoC of Ash Extractor/ Venturi Scrubber/ Wash Column shall be MS of 4 mm thick plate suitably manufactured & tested at fabrication shop. In scrubber wet washing shall be followed as dual suitable cap of motors instead of single unit (one standby) with necessary all arrangements. including testing commissioning etc, complete.				1 No (One Number)	
61	1.00	No	Supply and Fixing of LPG Firing System: LPG Cylinder manifold with regulator (cylinder adaptor) 12 nos, Non return Valves-12 nos, Copper Metallic Hose 12 nos, Ball Valves -2 nos, Main Valve 1 no, Flow Control valve - 1 nos, Compensating cable, Conductor etc-1 Set, Pipe Lining Materials (Pipe, flanges, Nipples, Fasteners etc) -1 Set				1 No (One Number)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
62	1.00	No	Design, fabrication and supply of manual body charging trolley made up of MS channels (1' x 1' x 1/2") and cover sheet of 3mm thick. The overall size of the trolley shall be not less than 15' x 3' x 1' which would be sliding on fixed rail of size 4" x 2" x 1/2" with 4 Nos of moving wheels and hand operated cam mechanism for up and down action.				1 No (One Number)	
63	1.00	No	Exhaust motor SS fan and SS body with 5 HP all SS fabricated inlet and outlet 300mm dia. Each 3mm sheet fabricated and 50mm dia shaft, table lock pulley with belt drive and 5 HP 1 set (one motor of ISI make with heavy duty bearing etc				1 No (One Number)	
64	1.00	No	Water Pump 2 HP for Scrubber unit and necessary Pipe Lines				1 No (One Number)	
65	1.00	No	Main Door Operating Gear Motor 1/2 HP with Gear Box				1 No (One Number)	
66	1.00	No	Supply Erection and Fixing of Supply of Special designed stainless Steel Burner Suitable for Crematorium Plate. Burning Capacity 20 Cum/Hr including cost of material				1 No (One Number)	

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No	Probable Qty		DESCRIPTION OF WORK	TNDSS & MORTH Specification No.	RATE IN Rupees		UNIT	Amount in Rupees
					Figure	WORDS		
1	2		3	7	5	6	7	7
67	1.00	No	Design, Supply, Delivery and erection of Chimney shall be fabricated out of MS material of thick 10/8/6 mm varying from bottom to top with a top diameter of 324mm at a height of 30m (min). Design shall confirm to IS 6533 norm and chimney shall be provided with accessories Ladder / Platform, Sampling Nozzle, Lightning Arrestor, Drain Plug, Bottom Door etc., and not restricted to only these complete system complying to standard				1 No (One Number)	
68	1.00	No	Design and construction of effluent Treatment Plant complete with all necessary accessories inclusive of Pumps, Pipelines, Civil Tanks, Motors, Agitators etc. as needed for the efficient operation of the plant and capable of treating the wash water from the LPG to meet the TNPCB norms for & Construction of Effluent I set 3,25,000.00 letting for gardening purpose. The ETP capacity shall match the gas production rate of the LPG. Complete Complying to meet the PCB norms in terms construction & performance.				1 No (One Number)	

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