

VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS)

"COLLEGE WITH POTENTIAL FOR EXCELLENCE"

(Re-accredited with 'A' Grade by NAAC, Bengaluru & Affiliated to Bharathiar University, Coimbatore)

Thindal, Erode - 638 012, Tamilnadu.

e-mail: principalvcw@gmail.com * website: vcw.ac.in

7.1.2 Biogas Plant



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							TE P.O.	
	Rasipuram rincipal, ar College For Wo		, Namal	Invo		- 637 40	Date: 22.0	09.2004
SI. D	Invoice FOR 35C		L.	B.	D.	BASED "I Qty.	Rate Per.	ANT
	arthwork excavation t of 2m including th						e initial lead	of 10m an
	let chamber as Tank	1x1 1x1	1.95 πx7.85 ²	1.95 x 6.49	0.975	3.71 314.10		
	ns Tank sphere ut let chamber	1x1 1x1	π/360x1	06°27'	(.578-1.16)	1		
A	ut let chamber found c length = n/360x2 10627' x2x πx5.775	πr	(5.775²-	-3.925*)	3.15	52.51		
	360 10.73 + 3.9 14.63m	1x1	14.63	1.00	1.45	21.21		
						431.81 cum	40/cum	17,272/-



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0		No.	L.	В.	D.	Qty.		Rate Per.	Amount	-
Supplying and laying HGB jelly including curing etc., complete	the cos	ase with st of mix	cc 1:4:8 cing, lay	3, usii ring, c	ng 40m compac	m size ting and				
Inlet chamber Gas tank sphere	1x1 1x1		1.95 1.16 ² x3. (3.625x	775x		0.29 .16) 10.99				
Gas tank outer ring	1x1	π/4 (7.:	55 ² -7.25	5 ²) 0.	15	0.52				
Out let chamber foundation	1x1	14.63	1.00		0.15	2.19				
Out let chamber base	1x1	106.27 360								
			-3.575 ²)	0.15		2.53		1,200/-	19,824/-	
						16.52 cu	m	cum		
Construction of supe quality of country bri labour chares etc., co	cks in	cluding						9		
Inlet chamber All round	1x1	5.70	0.22	.5	1.20	1.54				
Brick columns on										
Outlet chamber	lxl lxl lxl	14.63 14.63 14.63	0.69 0.46 0.23	,	0.15 0.15 1.00	1.51 1.03 3.36				
	121	14.03	0.23		1.00	7.42	1	1,500/-	11,130/-	
						cum	1	cum		
Centring for all plain M.S. Shutters and su Gas tank inner						ty of				
Side wall	1x1		$85^2 \times 4.5$			168.42				
Top sphere Gas Tank outer	lxl		.966x1.: 15 ² x4.2			42.75 171.45				
Outlet chamber roof		360	×π(5.	575 ² -	3.575 ²)	16.99				
Outlet chamber inner		CE		. 4						
Min : Arc length : Max : Arc length :		65 =).35=	6.6							
Windth :		00 =	4.00)m						
	1 m f	Say	20.9 21.0		2.80	58.80				
	IXI	21.00	-		2.00	30.00		For	Sundayam Fab	-
								For	Proprietor	



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Description of work	No.	L.	В.	D.	Qty.	Rate Per.	Amount
Less							
Area covered already or gas tank outer wall	lxl	6.64	_	1.20	7.97(-)		
Gas Tank Bottom Beam			x 3.63		6.84		
Gas Tank Top Beam	lxl		x 3.63		11.40		
Inlet chamber	1x1	1.20	1.20		1.44		
						200/-	94,024/-
Supplying and laying the Sunshades with cc 1:1½ Excluding the cost of steincluding the cost fabric curing etc., complete.	: 3, usined but in	ng 20mm ncluding	size He	GB jelly of steel	but	sqm	
Gas Tank sphere bottom	lxl	3(1.01	² (7.42)	8x3.575			
		-1.01)	-0.86^{2}	(7.278x			
O T. I		3.425-			8.65		
Gas Tank side wall Fop & Bottom beam	1x1 1x2	/4 (7.1	5-6.85) 77x0.30	x4.57	15.07 2.84		
Gas tank sphere top	1x1	x/3(1	52 ² (3.5° -1.37 ² (3	75x5.11 3.425x	6		
Less Grown	1.1		$\frac{1.37}{00^2 \times 0.1}$		9.83		
Out let chamber bottom	1x1 1x1	8.50		0.20	0.12 (-) 3.40		
Roof	lxl	8.90		0.10	2.14		
Side wall : Min.Arc Length : Max. Arc Length : Width	1x10.3	4 = 6.64 35 = 10.3 0 = 4.80r	5				
		21.79				1	
	1x1	21.79		3.00	13.07	T.	
Less Quantity already Covered on gas tank						1	
Side wall	1x1	6.64	0.20	1.20	1.59 (-)		
					53.30 cum	2,700 cum	/- 1,43,910/-
						_	
						F	or Sundaram Fab



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SI. No	Description of work	No.	L.	В.	D.	Qty.	Rate Per.	Amount
06.	Supplying and laying t & Sunshades with cc I the cost of steel but inc laying, compacting and	:2:4, usir luding th	ng 20mm ne cost of	size HO	D ialla	areal and in		
	Inlet chamber bottom Roff	1x1 1x1	1.20 1.65		0.04 0.075	0.06 0.20		
						0.26 cum	2,000/- cum	520/-
07.	Supplying and erection Works including the co Charges etc., complete.	of steel r st of mate	einforcer erials to s	nents fo	or all R.C conveya	C.C.		
	10% of cc 1 : 1½ : 3 & 7% of cc (53.30 + 0.26) = 0.70 x 24000x53.56 =		Say			9.00 mt	25,000/- mt	2,26,800/-
08.	Cost for fabricating the	roof sphe	ere in FRI	•				40,000/-
09.	Plastering the walls with Inlet chamber	1x1	– 12mm t 4.80	hick.	1.20	5.76 sqm/	60/- sqm	346/-
10.	Lumpsum provision for Steel L-Angle frames wi	providing th 40 spa	g grating scings ma	of 1.20 de up o	x 1.20m f 40x6 N	m ciae	*****	2,000/-
11. 12. 13.	Lumpsum provision for Lumpsum provision for Lumpsum provision for	250 Ø P\ crown fitt	C pipe a	bout 3.1	2m leng	th. LS th. LS		5,000/- 3,000/-
14.	pipes with safety valve. Lumsum provision for A gas tank and outlet cham	poxy pai ber	nting ove	r the in	ner side v			10,000/-
17.	Lumpsum provision for r FRP Cover for outlet tan 2 Cum fabricated Cantee Laying Gas Distribution	k n Burner		is and c	ontingen	cies of rate	eLS	17,714/- 30,000/- 10,000/- 10,000/-
e he	(RUPEES SIX LAKHS	AND FI	FTY TH	OUSAN	NDS ON	LY)	- 8	6,50,000/-
2	Passe	d for I	Payme	nt				-
		So	d-			For S	undaram Fa	ь