Quotation

ANNEXURE -III (ENCLOSURES TO TENDER FORM)

Name of the work : Construction of Sample processing unit

(Size 12.20×5.00 m)

Place of work : CRIDA Complex Santhoshnagar,

Hyderabad ó 500 059

Estimated value of Work : Civil: Rs.6.5 lakhs +Electrical Rs. 3.2 lakhs

Total 9.7 lakhs

EMD : Rs. 19,000/-

Time for completion of work : 90 days from the date of award of work. However,

works under part-III are to be carried out with in one month of award of Contract, as these works are to be coordinated with the works being carried out

by other Contractors.

Security Deposit : 10% of the value of work

PART – I (CIVIL)

S. no.	Particulars	Unit	Qty.	Rate	Amount
1.0	Earth work excavation by				
(2.8.1)	mechanical/manual means is foundation				
	trenches or drains including dressing of				
	sides & ramming of bottoms, including				
	getting out excavated soil & disposal of				
	surplus excavated soil as directed with in				
	a lead of 100 mm				
	2x2.20x0.60x1.00 = 14.64				
	3x5.00x0.60x1.00 = 9.00				
	1x30.00x0.30x0.50 = 4.50				
	2x13.40x0.60x0.40 = 6.43				
	$2x5.0x0.60x0.40 = \underline{2.40}$				
	<u>36.97 m³</u>	cu.m	36.97		
2.0	Cutting of black W.B.M. road by manual				
(15.59)	or mechanical means and disposal of				
	unserviceable material out of campus,				
	including all operational & indicated				
	labour & transport charges, complete.				
	1x6.0x0.30x0.50 = 0.90 cu.m	cu.m	0.90		
3.0	Providing & laying in position Cement				
(4.1)	Concrete of specified grade excluding the				
	cost of centering & shuttering with				
	1:5:10 (1cement,5coarse sand, 10 graded				
	stone aggregate of 40 mm nominal size)				
	(Including plinth protection)				
3.1	2x12.20x0.60x0.10 = 1.46				
(4.1.11)	2x13.40x0.60x0.30 = 4.82				
	3x5.00x0.60x0.10 = 0.90				
	2x5.00x0.60x0.30 = 1.80				
	1x11.60x4.50x0.20 = 10.44				
	<u>19.42 m³</u>	cu.m	19.42		

	15			
4.0	Reinforced cement concrete work in			
	beams, suspended floors roofs having			
	slope up to 15 ⁰ holdings balconies,			
	shelves, chajjas, lintels, bands, plain			
	window sills, staircases, and spiral stair			
	cases up to floor five level excluding the			
	cost of centering, shuttering, finishing			
	and reinforcement with			
4.1	1:2:4 (1 cement, 2 coarse sand 4 graded			
(5.3)	stone aggregate of 20 mm nominal size.			
	$2x13.40x0.60x0.10 = 1.60 \text{ m}^3$			
	$2x5.00x0.60x0.10 = \underline{0.60 \text{ m}^3}$			
	$\frac{2.20 \text{ m}^3}{}$	cu.m	2.20	
5.0	Random rubble masonry with hard stone			
(7.1)	in foundation & plinth including leveling			
(7.1)	up with Cement Concrete 1:4:8			
	(1Cement, 4 Courses and, 8 graded stone			
	aggregate of 20 mm nominal size) at			
	plinth level, with			
5.1	1:6 Cement mortar			
(7.1.1)	$2 \times 12.20 \times 0.40 \times 1.35 = 13.17$			
	$3 \times 4.50 \times 0.40 \times 1.35 = 7.29$			
	$\frac{3 \text{ A H36 A G. 16 AI.35}}{20.46 \text{ m}^3}$	cu.m	20.46	
6.0		Cu.III	20.40	
0.0	Filling the basement with good morrum			
	and consolidating it.		21.22	
	1x11.60x4.50x0.60 = 31.32 cu.m	cu.m	31.32	
7.0	Bricks work with F.P.S bricks of class			
(6.1)	designation 75 m foundation & plinth in			
7.1	Cement mortar 1:6			
(6.1.2)	$2x12.20x \ 0.23x \ 3.00 = 16.84m$			
(0.1.2)	$2x \ 4.50x \ 0.23x \ 3.40 = \frac{7.04 \ m}{}$			
	$\frac{23.88 \text{m}^3}{23.88 \text{m}^3}$			
	<u> </u>			
	Deduction			
	$2 \times 02.00 \times 0.23 \times 1.20 = 1.10 \text{m}$			
	8x1.80x1.20 x0.23 = 3.97m			
	<u>5.07 m³</u>			
	Net Qty. $\underline{23.88 \circ 5.07} = \underline{18.81 \text{ m}^3}$	cu.m	18.81	
8.0	Half bricks masonry with F.P.S bricks of			
(6.12)	class designation 75 in foundation and			
(===)	Plinth in			
8.1	Cement mortar 1:4			
(6.12.2)	$1.4 = 15.0 \text{ m}^2$			
(0.12.2)	_			
	$16x0.75x0.75 = \frac{9.00\text{m}^2}{24.00^{-2}}$		24.00	
	24.00m ²	sq.m	24.00	
9.0	18 mm Cement plaster in two coats under			
(13.12)	layer 12 mm thick cement plaster 1:5			
	(1cement, 5 coarse sand) finished with			
	top layer 6 mm thick cement plaster 1:3			
	2x2x12.20x3.00 = 146.40			
	3x2x4.50x3.40 = 91.80			
	$16x0.85x0.75 = \frac{10.20}{248.40}$			
	248.40 m ²			
	Deductions:			
	2x2.0x1.20 = 4.08			
	8x1.80x1.20 = 17.28			
	22.08m ²			
	Net Qty \acute{o} 248.40 $\overleftarrow{\acute{o}}$ 22.08 = 226.32 m ²	sq.m	226.32	

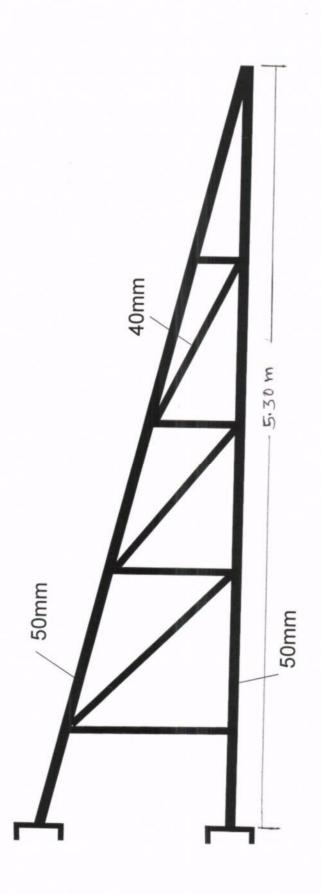
400	10			
10.0	Providing & fixing wood work in frames			
(9.1)	of doors & widows using first quality			
	sal wood and applying approved wooden			
	primer, compete as per instructions of site			
	engineers,			
10.1	Sal Wood			
(9.1.2)	Door-2x10x1.40m (Double Shutter)			
(9.1.2)	Windows 8x1.80x1.20m	011 500	1.60	
11.0		cu.m	1.60	
11.0	Providing, hoisting & fixing up to floor V			
(5.12)	level precast Reinforced cement concrete			
	work in lintels, chajjas & shelves			
	including the cost of centering, shutting			
	finishing smooth with 6 mm thick cement			
	mortar in 1:3 (1 cement, 3 fine sand) on			
	exposed surfaces complete including cost			
	of reinforcement with 1:2:4 (1 cement, 2			
	core sand graded stone aggregate of 20			
	mm nominal size)			
	2x2x5.50x0.75x0.075 = 1.24			
	$ \begin{array}{rcl} 10x1.50x0.15x0.10 &=& 0.22 \end{array} $			
	$\begin{array}{cccc} 10x1.50x0.13x0.10 & = & 0.22 \\ 10x1.50x1.00x0.10 & = & 1.50 \end{array}$			
	2x5.00x1.00x0.10 = 1.00		2.06	
	3.96 cu.m	cu.m	3.96	
11.1	Reinforcement for R.C.C work, including			
(5.22)	straightening cutting, bending placing in			
	position & binding all complete.			
11.2	Cold twisted bars (including centering)	kg	250.00	
(5.22.3)				
12.0	Steel work welded in built up sections /			
(10.25)	frame work (window grill) including			
	cutting, hoisting, fixing in position and			
	applying priming			
12.1	Coat of approved steel primer using			
(10.25.2)	structure steel etc., as required. In	kg	680.0	
(/	gratings, frames. Window grills, rulings,	8		
	brackets, gates etc.,			
13.0	Steel work in built up tubular trusses			
(10.16)	including cutting, hosting fixing in			
(10.10)				
	position and applying a primary coat of			
	approved steel primer welded and bolted			
	including special shaped washers etc.			
1	complete			
13.1	Hot finished welded type tubes-65 mm			
(10.16.1)	nominal bore 3.60 wall thickness, 76.6			
	mm O.D-166.50 m length, 40 mm			
	nominal bore 3.20 mm wall thickness			
	48.8 mm O.D -60.60 m length.	kg	1070.0	
14.0	Providing & fixing of M.S/ plates, Bolts			
(10.20)	& nuts for trusses including welding,			
(= -= -,	cutting, drilling of holes welding, fixing			
	in position and applying a primary coat			
	of approved steel primer, complete	ka	200.0	
	or approved sizer printer, complete	kg	200.0	

150	0 1 0 1 11 11 11 11 11			
15.0	Supplying & installation of pre coated			
(12.50)	galvanized iron profile sheets size shape			
	& pitch of corrugation as approved by			
	engineer-in-charge) 0.5 mm +/- 5% total			
	corrugated thickness (TCT) Thick zinc			
	coating 120 gsm as per IS:277 is 240 mpa			
	steel grade, 5-7 microns epoxy primer on			
	both side of the sheet & polyester top			
	coat 15-18 microns. Sheet should have			
	protective guard film of 25 microns			
	minimum to avoid scratches while			
	transportation and should be supplied in			
	single length up to 12 meter or as desired			
	by engineer in change. The sheet shall be			
	fixed using self drilling / self tapping			
	screws of size (5.5 x 5.5 mm) with EPDM			
	seal complete including cutting to size			
	wherever required		72.2 0	
1.50	1x12.20x6.00 = 73.20 sq.m	sq.m	73.20	
16.0	Providing & fixing pre coated galvanized			
(12.51.1)	steel sheet roofing accessories 0.50+/-5%			
	TCT Thick Zink coating 120 gsm as per			
	IS:277 in 240 mpa, 5-7 microns epoxy			
	primer on both side of the sheet &			
	polyester top coat 15-18 microns using			
	self drilling / self tapping screws,			
	complete			
16.1	Ridges plain	metre	12.20	
17.0	Providing & laying Polished granite tiles			
17.0	I fortung & laying I offshed granite thes			
17.0	(450x300 mm) 10mm thick of approved			
17.0				
17.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement,			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments,			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing,			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to			
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all	sa m	61 44	
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels	sq.m	61.44	
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror	sq.m	61.44	
	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour &	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white	sq.m	61.44	
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18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white cement, mixed with matching pigments, epoxy touchups, including rubbing,	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white cement, mixed with matching pigments, epoxy touchups, including rubbing, caning moulding & polishing to edge to	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white cement, mixed with matching pigments, epoxy touchups, including rubbing, caning moulding & polishing to edge to give high gloss finish etc., compete at all	sq.m	61.44	
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white cement, mixed with matching pigments, epoxy touchups, including rubbing, caning moulding & polishing to edge to give high gloss finish etc., compete at all levels,	sq.m		
18.0	(450x300 mm) 10mm thick of approved shade, colour & texture laid over 25 mm thick base cement mortar 1:4 (1 cement, 4 sand) with joints treated with white cement, mixed with matching pigments, epoxy touch ups, including rubbing, causing moulding & polishing to edge to give high gloss finish etc., complete in all levels 1x12.80x4.80=61.44 sq.m Providing & fixing 18 mm thick Mirror polished machine cut granite for plat forms. Varity countess, windows sills of required size of approved shade, colour & texture laid over 20 mm thick base cement mortar 1:4 (1 cement, 4 coarse sand with joints treated with white cement, mixed with matching pigments, epoxy touchups, including rubbing, caning moulding & polishing to edge to give high gloss finish etc., compete at all	sq.m sq.m	8.25	

	18				
18.1	Extra for providing edge moulding to 18				
(8.3.2)	mm thick granite stone including machine				
	polishing to give high glass finish,				
	complete as per directions of site				
	engineer. Granite work	meter	16.60		
10.0		meter	10.00		
19.0	Providing and fixing white vitreous china				
(17.11)	laboratory sink of approved make with				
	C.I. brackets, C.P. bras strap with				
	necessary C.P. brass unions complete				
	including painting of fitting and brackets,				
	cutting and making good the wall	_			
	wherever required.	each	2 nos.		
	600x450x200 mm				
20.0	Providing laying & joining the glazed				
(19.1.2)	stone ware pipes grade :Aø with stiff				
	mixture of cement mortar in the				
	proportion of 1:1(1 cement, 1 fine sand)				
	including testing of joints etc., complete				
21.0	150mm diameter	meter	35.0		
22.0	Constricting the brick masonry manhole				
(19.7.11)	in cement mortar 1:4 (1 Cement, 4 Coarse				
	sand) R.C.C top slab with 1:2:4 mix (1				
	Cement, 2 Coarse sand, 4 graded stone				
	aggregate of 20mm nominal size)				
	foundation concrete 1:4:8 mix including				
	plastering 12mm thick with cement				
	mortar 1:3, finished with floating coat of				
	neat cement & making channels in cement				
	concrete 1:2:4, finished with floating coat				
	neat cement complete as per standard				
	design.				
	With F.P.S bricks of class designation75	each	2 Nos.		
23.0	Providing and fixing square-mouth S.W.				
(19.4.1.1)	gully trap grade :Aö complete with C.I.				
	grating bricks masonry chamber with				
	water tight C.I. cover with frame of				
	300x300 mm size (inside) the weight of				
	cover to be not less than 4.50 kg and				
	frame to be not less than 2.70 kg as per				
	standard design:				
	100x100 mm size p type with F.P.S.				
	bricks of class designation 75	each	4 nos.		
24.0	Providing & fixing G. I. pipes(of				
	approved make) complete with G.I.				
	fittings & clamps including cutting &				
24.1	making good the walls etc.	meter	127.02		
(18.10.1)	20mm dia nominal bore	1110101	127.02		
24.2		meter	215.00		
(18.10.3)	25mm dia nominal bore	1110101			
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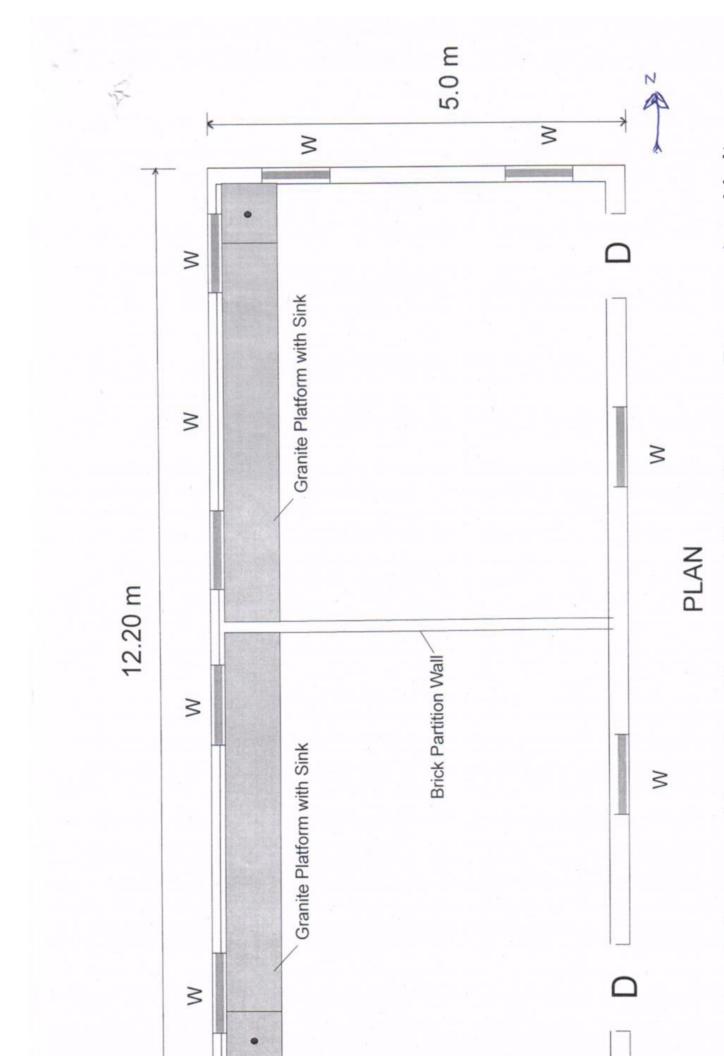
25.0	D '1' 0 C' ' C 11 ' 1 1 C			I	
25.0	Providing & fixing following hardware of				
	standard (ISO) make of approved brand.				
25.1	C.P brass three way swan neck taps	2 nos.	950.00		
	(heavy)				
25.2	brass stop cock (heavy) 20 mm	2 nos.	282.24		
(18.16.2)					
25.3	P.V.C connection	2 nos.	42.00		
(1690)					
25.4	brass ball valve 20 mm	2 nos.	400.00		
(18.18.2)					
25.5	brass ball valve 25 mm	2 nos.	463.08		
(18.18.3)					
25.6	2ö G.I union	1 no.	189.60		
(1646)					
25.7	2öx1ö G.I Reducer	2 nos.	97.50		
25.8	2ö Gate valve with C.I wheel	1 no.	342.60		
(18.17.11)					
26.0	Providing & fixing ISI marked flush door				
(9.20)	shutters (double door) with decorative				
	lamination on one side & balancing				
	lamination on other side confirming to IS:				
	2202 with frame of 1 st class hard wood &				
	well matched lamination, complete.				
26.1	35 mm thick including ISI marked				
	Stainless steel butt hinges with necessary				
	screws				
	2x2.10x1.40 = 5.88 sq.m	sq.m	5.88		
27.0	Providing & fixing following anodized				
	Aluminum hard ware of approved quality				
	and make, as per requirement of site				
	engineer				
27.1	Aluminum Latches(heavy) 300mm	each	2 nos.		
27.2	Aluminum Sliding door bolt (heavy)	each	2 nos.		
(0696)	300x16 mm				
27.3	Aluminum. Tower bolt 300x10mm	each	4 nos.		
(0698)					
20.5	Aluminum. Door handles 125 m with	each	4 nos.		
(0703)	plate 175x32 mm				
20.6	Aluminum handles (coated) 100mm with	each	32 nos.		
(0704)	plate 150x32 mm				
20.7	Aluminum Towers bolts (coated) 150 x	each	64 nos.		
(0701)	10mm				
20.8	M.S, (coated) Butt Hinges				
(0596)	100x58x1.90 mm	each	16 nos.		
(0597)	75x47x1.70 mm	each	64 nos.		
28.0	Providing & fixing glazing in windows				
(21.31)	shutters including beading / applying				
	putty as per requirement of site engineer				
28.1	With float glass panes of 4.0 mm thick				
	$8x1.80 \times 1.20 = 17.28 \text{ sq.m}$	sq.m	17.28		
<u> </u>		~ 7		l	

29.0 Providing & fixing stainless steel wire mesh to windows of approved make including teak beading of approved quality, complete. 8x1.20x1.20 = 11.52 sq.m sq.m 11.52		20	1	1	1
including teak beading of approved quality, complete. 8x1.20x1.20 = 11.52 sq.m 30.0 Distempering with oil bound washable distemper of approved make and of required shade & colour complete New work two or more coats over Primary coat. 2x11.60x3.00 = 69.60 2x4.50x3.40 = 30.60 100.20 sq.m 100.20 31.0 Finishing the walls with premium Acrylic smooth exterior paint required shade & make 31.1 New work two or more coats over priming coat 2x12.20x3.00 = 73.20 2x5.00x3.40 = 34.00 107.20 m² sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. New work. Two or more coats over Primary coat. 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 2.94 28.86 sq.m 32.2 Painting of trusses One job	29.0	Providing & fixing stainless steel wire			
quality, complete. 8x1.20x1.20 = 11.52 sq.m sq.m 11.52		mesh to windows of approved make			
Sx1.20x1.20 = 11.52 sq.m sq.m 11.52 30.0 Distempering with oil bound washable distemper of approved make and of required shade & colour complete 30.1 New work two or more coats over		including teak beading of approved			
Distempering with oil bound washable distemper of approved make and of required shade & colour complete		quality, complete.			
(13.41.1) distemper of approved make and of required shade & colour complete New work two or more coats over Primary coat. 2x11.60x3.00 = 69.60 2x4.50x3.40 = 30.60 100.20		8x1.20x1.20 = 11.52 sq.m	sq.m	11.52	
Total: T	30.0	Distempering with oil bound washable			
30.1 New work two or more coats over Primary coat. 2x11.60x3.00 = 69.60 2x4.50x3.40 = 30.60 100.20 sq.m 100.20 31.0 Finishing the walls with premium Acrylic smooth exterior paint required shade & make 31.1 New work two or more coats over priming coat 2x12.20x3.00 = 73.20 2x5.00x3.40 = 34.00 107.20 m² sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over Primary coat. 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 29.94 28.86 sq.m 32.2 Painting of trusses One job	(13.41.1)	distemper of approved make and of			
Primary coat. 2x11.60x3.00 = 69.60 2x4.50x3.40 = 30.60 100.20 31.0 (13.46) Smooth exterior paint required shade & make 31.1 New work two or more coats over priming coat 2x12.20x3.00 = 73.20 2x5.00x3.40 = 34.00 107.20 m² sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over Primary coat. 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 2.94 28.86 sq.m 32.2 Painting of trusses One job Total:		required shade & colour complete			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	30.1	New work two or more coats over			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Primary coat.			
		2x11.60x3.00 = 69.60			
31.0		2x4.50x3.40 = 30.60			
(13.46) smooth exterior paint required shade & make 31.1 New work two or more coats over priming coat 2x12.20x3.00 = 73.20 2x5.00x3.40 = 34.00 107.20 m² sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over coats over Primary coat. 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 2.94 28.86 sq.m 32.2 Painting of trusses One job		<u>100.20</u>	sq.m	100.20	
make New work two or more coats over priming coat $2x12.20x3.00 = 73.20$ $2x5.00x3.40 = \frac{34.00}{107.20} \text{ m}^2$ sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. New work. Two or more coats over Primary coat. $8x1.5x1.80x1.20 = 25.92$ $2x0.5x2.10x1.40 = \frac{2.94}{28.86} \text{ sq.m}$ Sq.m 28.86 32.2 Painting of trusses One job	31.0	Finishing the walls with premium Acrylic			
31.1 New work two or more coats over priming coat $2x12.20x3.00 = 73.20$ $2x5.00x3.40 = 34.00$ 107.20 m^2 sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. New work. Two or more coats over Primary coat. 8x1.5x1.80x1.20 =25.92 $2x0.5x2.10x1.40 = 2.94$ 28.86 sq.m 32.2 Painting of trusses One job	(13.46)	smooth exterior paint required shade &			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		make			
$2x12.20x3.00 = 73.20$ $2x5.00x3.40 = 34.00$ 107.20 m^2 32.0 Painting the door and windows frames (13.60) with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over $(13.60.1)$ Primary coat. $8x1.5x1.80x1.20 = 25.92$ $2x0.5x2.10x1.40 = 2.94$ 28.86 sq.m 32.2 Painting of trusses One job Total:	31.1	New work two or more coats over			
$2x5.00x3.40 = 34.00 \over 107.20 \text{ m}^2$ sq.m 60.48 32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over (13.60.1) Primary coat. 8x1.5x1.80x1.20 =25.92 2x0.5x2.10x1.40 =2.94 28.86 sq.m 32.2 Painting of trusses One job Total:	(13.46.1)	priming coat			
32.0 Painting the door and windows frames (13.60) With grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over (13.60.1) Primary coat. Sq.m 28.86 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 =2.94 28.86 sq.m 32.2 Painting of trusses One job		2x12.20x3.00 = 73.20			
32.0 Painting the door and windows frames with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over (13.60.1) Primary coat. 8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 2.94 28.86 sq.m 32.2 Painting of trusses One job Total:		2x5.00x3.40 = 34.00			
(13.60) with grills, with synthetic enamel paint of approved brand and make of required colour to given even shade. 32.1 New work. Two or more coats over (13.60.1) Primary coat. $8x1.5x1.80x1.20 = 25.92$ $2x0.5x2.10x1.40 = 2.94$ 28.86 sq.m 32.2 Painting of trusses Total:		<u>107.20</u> m ²	sq.m	60.48	
approved brand and make of required colour to given even shade. New work. Two or more coats over Primary coat. $8x1.5x1.80x1.20 = 25.92$ $2x0.5x2.10x1.40 = 2.94$ 28.86 sq.m Sq.m 28.86 Painting of trusses Total:	32.0	Painting the door and windows frames			
32.1 New work. Two or more coats over (13.60.1) Primary coat. 8x1.5x1.80x1.20 =25.92 2x0.5x2.10x1.40 =2.94 28.86 sq.m 32.2 Painting of trusses Total:	(13.60)	with grills, with synthetic enamel paint of			
32.1 New work. Two or more coats over (13.60.1) Primary coat. 8x1.5x1.80x1.20 =25.92 2x0.5x2.10x1.40 =2.94 28.86 sq.m 32.2 Painting of trusses Total:		approved brand and make of required			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		colour to given even shade.			
8x1.5x1.80x1.20 = 25.92 2x0.5x2.10x1.40 = 2.94 28.86 sq.m 32.2 Painting of trusses One job Total:	32.1	New work. Two or more coats over			
2x0.5x2.10x1.40 = 2.94 $28.86 sq.m$ 32.2 Painting of trusses One job Total:	(13.60.1)	Primary coat.	Sq.m	28.86	
28.86 sq.m 32.2 Painting of trusses One job Total:		8x1.5x1.80x1.20 =25.92			
32.2 Painting of trusses One job Total:		2x0.5x2.10x1.40 = 2.94			
Total:		<u>28.86</u> sq.m			
Total:	32.2	Painting of trusses	One job		
(Rupees)				otal:	
	(Rupees)

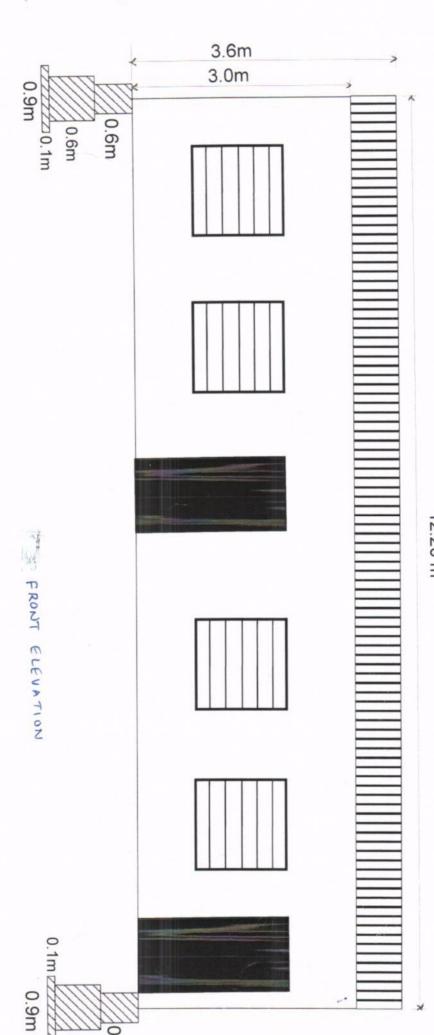


Design of Truss

Jennymer (J. B. Downpher)







Line Diagram Showing Proposed Soil Sample Processing Unit

<u>PART-II</u>: <u>Quotation for Providing Internal Electrification & Earthing works to Sample Processing Unit at CRIDA premises.</u>

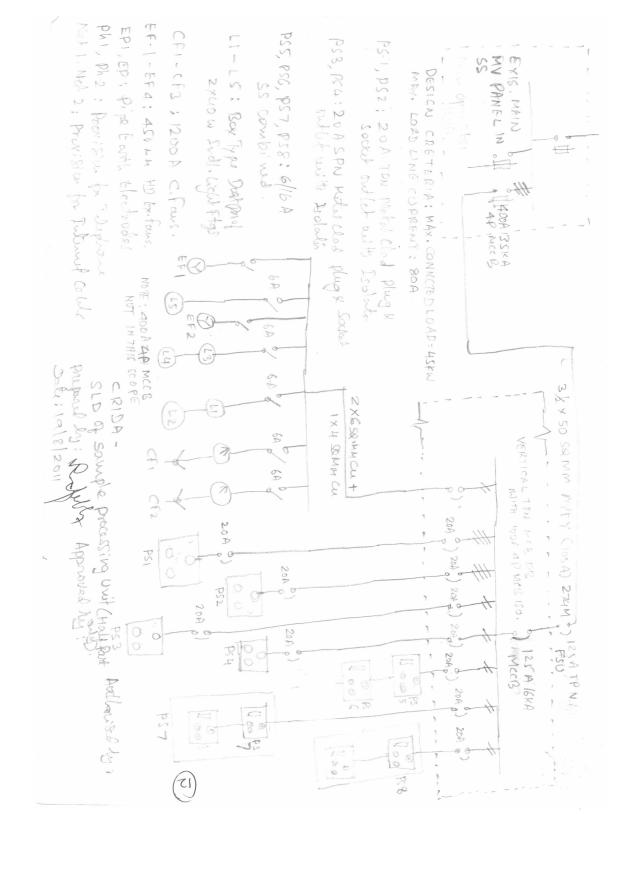
NO	DESCRIPTION OF ITEM	SOR ITEM NO. REFERENCE	UNIT	QUANTITY	BASIC RATE AS PER SOR	AMOUNT
1	Point wiring in PVC conduit, with modular type switch for Light point/fan point exhaust fan point etc as per Specifications of Item no.	1.10.3	20	20		
2	Power plug wiring in PVC conduit (2X4 sq.mm) as per Specifications of Item no.	1.12	Meter	134		
3	Power plug wiring in PVC conduit (4X4 sq.mm) as per Specifications of Item no.	1.13	Meter	36		
4	Circuit/ sub-main wiring in PVC conduit with 2x4 sq.mm + 1x4 sq.mm earth wire as per Specifications of Item no.	1.14.3	Meter	36		
5	Telephone wiring in existing conduit: Supplying and drawing 2 pair x 0.5 sq.mm as per Specifications of Item no.	1.18.2	Meter	20		
6	TV / Internet wiring in existing conduit: Supplying and drawing RG-6 grade x 0.7 sq.mm or Ethernet Data cable for Internet as per Specifications of Item no.	1.19	Meter	20		
7	Supplying and fixing 20 mm PVC conduits as per Specifications of Item no.	1.21.1	Meter	20		
8	Supplying and fixing 25 mm PVC conduits as per Specifications of Item no.	1.21.2	Meter	20		
9	Supplying and fixing of 5/6 amps modular type switch / socket as per Specifications of Item no.	1.24.1	Each	8		
10	Supplying and fixing of 15/16 amps modular type switch / socket as per Specifications of Item no.	1.24.3	Each	8		
11	Supplying and fixing of 3 pin, 5/6 amps, modular type socket as per Specifications of Item no.	1.24.4	Each	8		
12	Supplying and fixing of 6 pin, 15/16 amps, modular type socket as per Specifications of Item no.	1.24.5	Each	8		
13	Supplying and fixing of Telephone or TV or Internet data cable Socket outlet as per Specifications of Item no.	1.24.6	Each	2		
14	Supplying and fixing modular and stepped type electronic fan regulator as per Specifications of Item no.	1.25	Each	6		

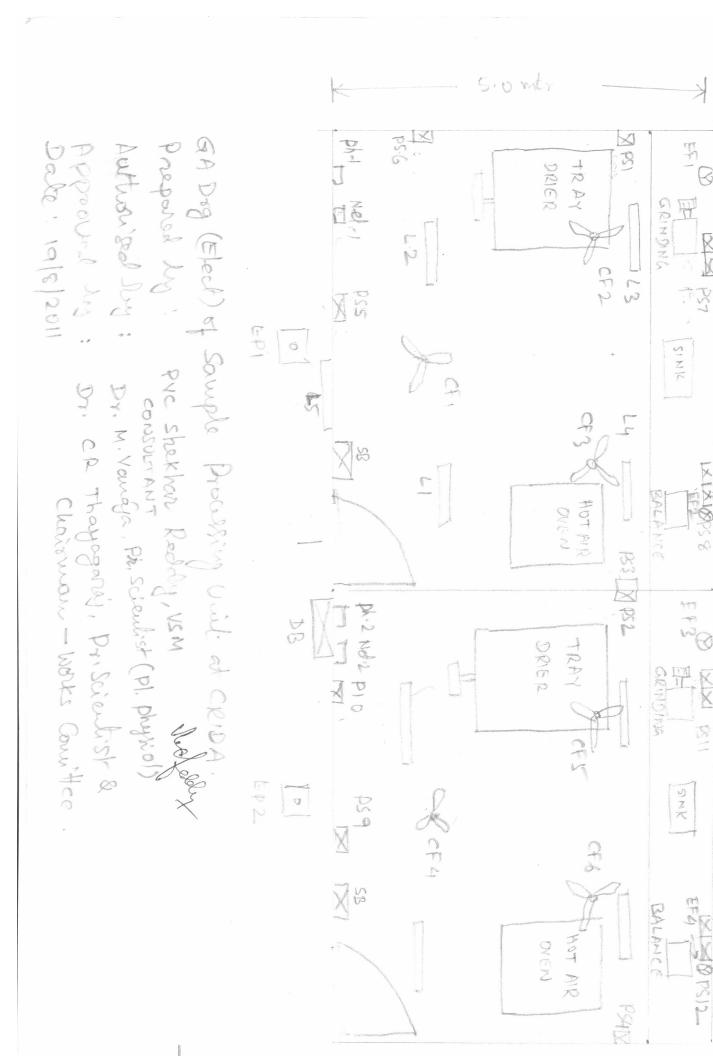
15	Supplying and fixing modular type blanking plates as per Specifications of Item no.	1.26	Each	6	
16	Supplying and fixing GI Box along with modular base & cover plate for 1 or 2 Module as per Specifications of Item no.	1.27.1	Each	8	
17	Supplying and fixing GI Box along with modular base & cover plate for 6 Module as per Specifications of Item no.	1.27.3	Each	16	
18	Supplying and fixing modular type 3 pin 5/6 amps plug point with 5/6 amps switch as per Specifications of Item no.	1.31	Each	6	
19	Supplying and fixing modular type 6 pin 15/16 amps plug point with 15/16 amps switch as per Specifications of Item no.	1.32	Each	28	
20	Supplying and fixing 3 pin 5 amps ceiling rose as per Specifications of Item no.	1.33	Each	16	
21	Supplying and fixing 125 amps TP&N FSU with 125A HRC Fuses in SS enclosure in recess or on surface and as per Specifications of Item no.	2.21.4	Each	1	
22	Supplying and fixing 125 amps 16 KA TP MCCB in Vertical TPN MCB DB and as per Specifications of Item no.	2.22.3	Each	1	
23	Supplying and fixing vertical type SP/TP 12 way double door pre-wired MCB DB as per Specifications of Item no.	2.43.8	Each	1	
24	Supplying and fixing of 5 amps to 32 amps 240 volts $\pm B\phi / \pm C\phi$ series SP MCBs as per Specifications of Item no.	2.51.1	Each	16	
25	Supplying and fixing of 5 amps to 32 amps 240 volts $\pm B\phi / \pm C\phi$ series TP MCBs as per Specifications of Item no.	2.51.3	Each	4	
26	Supply and fixing of SP MCB Blanking plates as per Specifications of Item no.	2.53	Each	20	
27	Supplying and fixing 20 amps SPN MCB industrial socket outlet with 20 amps õCö series SP MCB as per Specifications of Item no.	2.62	Each	4	
28	Supplying and fixing 20 amps TPN MCB industrial socket outlet with 20 amps õCö series TP MCB as per Specifications of Item no.	2.63	Each	4	
29	Proving and fixing MV Danger notice plate as per Specifications of Item no.	2.71	Each	2	
30	Providing Earthing with GI Earth Plate Electrode of 600x600x6 mm thick including all accessories and providing Masonary enclosure but with out salt and charcoal or coke as per Specifications of Item no.	3.5	Set	2	

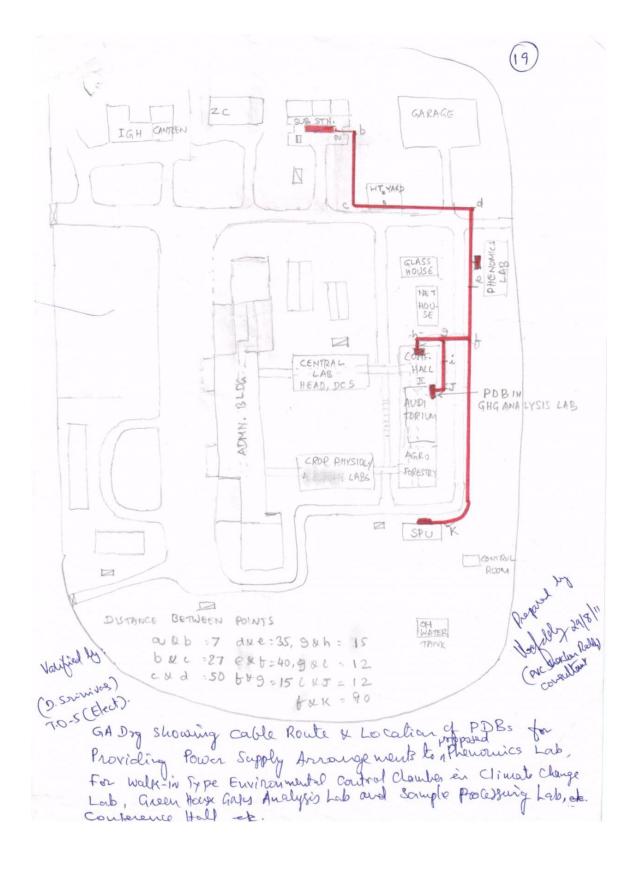
31	Supplying & Providing Salt and charcoal for the above plate earth electrodes as per the specification of item No.	3.7	Set	2		
32	Supplying and laying 6 SWG GI wire as per Specifications of Item no.	3.1	Meter	60		
33	ITC of Ceiling Fan as per Specifications of Item no.	1.44	Each	6		
34	ITC of 450 mm exhaust Fan	1.52	Each	4		
35	Extra for Fixing louvers/shutters as per Specifications of Item no.	1.54	Each	4		
36	ITC of 1 x36/40 watt Box type FTL Fitting on surface as per Specifications of Item no.	1.41	Each	2		
37	ITC of 2x36/40 watt Industrial Box type and Dust and vermin proof light fitting with down rods as per Specifications of Item no. Approved	1.42	Each	8		
38	Supplying and fixing extra down rod as per Specifications of Item no.	1.43	Each	8		
39	Supply of 1200 mm Ceiling Fan with out regulator. Approved Makes: Orient/Usha/Crompton/Bajaj/Havelløs	MR	Each	6		
40	Supply of 450 mm Heavy duty 240 volts exhaust fan with louvers / shutters. Approved Makes: Crpmpton/Bajaj/Almonard/Havelløs	MR	Each	4		
41	Supply of 1x36/40 watt Industrial Box type FTL fitting with tubes. Approved makes:Philips/Crompton/Bajaj/Crompton/Wipro/Fortune Art	MR	Each	2		
42	Supply of 2x36/40 watt Industrial Box type and Dust and vermin proof light fitting with tubes. Approved makes:Philips/Crompton/Bajaj/Wipro/Fortune Art	MR	Each	8		
43	Supply and fixing of 2 no. Fire Extinguishers (one each) suitable Electrical and general classes of Fire.	MR	Lumpsum Job	1		
44	Total Amount of Part-II					
45	PART-III: Quotation for Providing	External E	lectrificat	ion work	s to Sam	ple
	Processing Unit at CRIDA premises	s.				
46	Supplying of 3.5C x 50 sq.mm AYFY cable. Approved makes; CCI/Universal/Nicco/Gloster/Havelløs. Note: Rate adopted is as per local Market.	MR	Metre	274		
47	Cutting and excavation of BT roads by chipping and chiseling and other manual means up to 1 metre depth and 0.5 metre width as required for laying of above RCC pipes including back filling and disposal of excess / surplus excavated material up to lead of 500 metre, complete as required as per specification of CPWD DSR (Civil works) 2007, item no.15.59	15.59	Metre	20		

48	Providing and laying non-pressure NP-2 class(light duty) 150 mm dia RCC pipes with collars jointed with stiff mixture of cement mortar as per specification of CPWD DSR (Civil works) 2007, item no.19.6.2	19.6.2	Metre	48	
49	Laying of 3.5C x 50 sq.mm AYFY cable in ground with sand and protective covering as per Specifications of Item no. of CPWDøs Schedule of Rates (Electrical) part-II External -2007	1.2	Metre	274	
50	Supplying and making end terminations of 3.5C x 50 sq.mm AYFY cable with Brass compression glands and Aluminium lugs as per Specifications of Item no. of CPWD¢s Schedule of Rates (Electrical) part-II External -2007	4.1.22	Each	4	
51	Supplying and fixing of 6 nos. x 1 mtr length x 150 mm dia NP-2 class RCC pipes by providing 0.6 mtr x 0.4 mtr opening in the basement of existing 0.6 mtr thick stone wall at a depth of not exceeding 1 mtr from finished floor level and closing back the opening after laying and fixing of RCC pipes with stiff cement mortar, complete as required as per the direction of engineer in charge.	MR	Lumpsum Job	1	
52	Supplying and fixing cable route marker as per specification of item no.of CPWD® Schedule of Rates (Electrical) part-II External -2007	3.3	Each	16	
53	Supplying and fixing 400 amps 35 KA TP MCCB in existing cubicle Panel Board including drilling necessary holes, supply and fixing required copper bus bar links and other accessories and making connection, testing & commissioning complete as required as per Specifications of Item no. 2.22.10	2.22.10	Each	1	
54	Total amount of Part-III (External Elect Works)				
55	Total amount of Part-I (Civil Works)				
56	Total amount of Part-II (Internal Elect Works)				
57	Total amount of Part-III (External Elect Works)				
58	Total Amount of all Parts			_	_

(SIGNATURE OF THE TENDERER)







(20

FOR CONFERENCE HALL-II, PHENOMIC LAB, CLIMATE CHANGE LAB, GREEN HOUSE GASES LAB & SAMPLE PROCESSING LAB CABLE SCHEDULE

			DETAILS OF	NO.OF	QTY in	TERMN	NO.OF QTY in TERMN REMARKS, IF
9	SIZE	TO LAY BETWEEN	MEASUREMENTS	RUNS	Mtrs	ATIONS ANY	ANY
_			(Between MCCB & with in the				
-	1		SS=12m) + (a thru e)				
\perp	1 3.5Cx240 sq.mm	1 3.5Cx240 sq.mm Main Power Panel in SS & Phenomic Lab	=(12+119)=131	1	131	2	
			(Between MCCB & with in the				
			SS=12m) + (a thru h) + (2				
_	7. 4.7		Floor Bldg Ht Vertical = 8) +				
	_	Main Power Panel in SS & Air Conditioning	Horizontal over roof top =12)				
	2 3.5Cx240 sq.mm	2 3.5Cx240 sq.mm Power DB on Roff top of Conference Hall-II	= (12+189+8+12)=221	-	221	2	
			(Between MCCB & with in the				
			SS=12m) + (a thru i via g) + I				
		Main Power Panel in SS & Power DB in	& PDB in CC Lab =				
	3 3.5Cx120-sq.mm	3 3.5Cx120-sq.mm Climate Change Lab	(12+189+12)=213	_	213	2	
	\	Power DB in Climate Change Lab & Green					
-	4 3.5Cx50 sq.mm	43.5Cx50 sq.mm House Gases Analysis Lab	12+12+12	-	36	2	
>			(Between MCCB & with in the				
			SS=12m) + (a thru k) + k&				
		Main Power Panel in SS & Sample	PDB in SP				
	5 3.5Cx50 sq.mm Procesing Lab	Procesing Lab	Lab=(12+249+12)=274	-	274	2	
			TOTAL		875	10	
		ABSTRACT					
	1 3.5Cx240 sq.mm				352	4	
	2 3.5Cx120 sq.mm				213	2	
	3 3.5Cx50 sq.mm				310		
			TOTAL		875	10	

Field Measurements varified by:

to Crinivas TO-6/Eloch

D.Srinivas, TO-5(Elect)

Approved by: こんかんつ Dr JR Thgayaraj, Chairman Works Committee

(PVC Shekhar Reddy)/VSM, Consultant
Note: Copy of cable route drawing is enclosed.