

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. 863 / निर्माण / 2022

सिस्टम टेंडर नं. 114310

कोरबा दिनांक 11.11.2022

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदाएं आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	कम्पोस्ट पिट, शेड एवं फेंसिंग निर्माण कार्य (दर्श वार्ड क 52, वैशाली नगर वार्ड क 59 एवं पंप हाउस वार्ड क 14)	95.00	72000/-	05 माह	वर्ग डी एवं प्रवर श्रेणी	06.12.2022 से

शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हे निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद् को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र स्केन कर अपलोड करना अनिवार्य होगा।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में फ्लाइ ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		11.11.22	17.30	11.11.22	17.30	Release Tender
2		Bid Submission	11.11.22	17.30	05.12.22	17.30	
3	Tender Open		06.12.22	10.30	--	--	


EXECUTIVE ENGINEER
KORBA (CG)
For, Commissioner Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of Work :- Supplying & Fixing of Chain Link Fencing & Gate Work at Darri Ward No. 52

Construction Schedule

As per Sor :- Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]

Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
	For Fencing Pole	1	1500.00	1.00		1500.00			
					Total	1500.00	sqm	7.20	10800.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	For fencing Pole Footing	1	1500.00	0.40	0.60	360.00			
					TOTAL	360.00	cum	185.00	66600.00
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
a	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	For fencing Pole Footing	1	1500.00	0.40	0.10	60.00			
					TOTAL	60.00	cum	2970.00	178200.00
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		601	0.30	0.30	0.60	32.45			
		1	1500.00	0.30	0.08	33.75			
						66.20	cum	4073.00	269648.89
7	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works								
	Angle Post	601	2.00			1202.00			
	Angle	2*600	2.50			3000.00			
	Use ISA50X50X5mm @ 3.8kg/m For post					4202.00			
	Diagonal Braces	600	3.54			15967.60			
	Flat Patti 40*5					2124.00			
						3398.40			
						19366.00	kg	68.00	1316888.00

52-08-2012

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Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
8	9.43 Providing and fixing in position chain link fence of steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
	9.43.1 Aperture 50x50mm	1	1500.00		1.50	2250.00	sqm	331.00	744750.00
9	Brick work with modular fly- ash lime bricks (FaLG Bricks) conforming IS 12894-2002 of class designation 4.0 in foundation and plinth								
	Brick work below Chain linking fencing								
	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	1313.70	0.30	0.50	197.06			
					TOTAL	197.06	sqm	3350.00	660134.25
10	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level								
	10.59 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		601*2			0.50	601.00			
					Total	601.00	Sqm	139.00	83539.00
11	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.3 In Cement Mortar 1:5 (1 cement : 5								
		1	1500.00		0.40	600.00			
					Total	600.00	Sqm	113.00	67800.00
12	11.2 Providing and making 12mm thick cement plaster of mix:								
	In Cement Mortar 1:5 (1 cement : 5 fine sand	1	1500.00		0.40	600.00			
					Total	600.00	sqm	96.50	57900.00
13	14.22 Painting on new work (two or more coats) to give an even shade with:								
	14.22.1 Satin synthetic enamel paint	1	1500.00		1.50	2250.00			
					Total	2250.00	sqm	55.00	123750.00
14	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.								
	On new work (two or more coats)					1200.00			
					Total	1200.00	sqm	44.50	53400.00
					Total Estimate amount				3633410.14
							Say		3633500.00

Sub Engineer
Municipal Corporation
Korba (C.G.)

Asst. Engineer
Municipal Corporation
Korba (C.G.)

Executive Engineer
Municipal Corporation
Korba (C.G.)

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OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of Work :- **Construction of Windrow Compositing Bed at Darri Ward no. 52**

As per Sor :- **Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]**

Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
		1	31.50	15.60	0.30	147.42			
		1	1.50	1.50	1.20	2.70			
	Total					150.12	Cum	185.00	27772.20
2	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 3.1.3 1:3:6 (1 cement : 3 coarse sand : 6								
		1	31.50	15.60	0.10	49.14			
		1	1.50	1.50	0.10	0.23			
			Total					49.37	Cum
3	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels for: a Foundations, footings, base of columns and plinth beam in any shape and size.								
		2	31.50		0.20	12.60			
		2	15.60		0.20	6.24			
			Total					18.84	Sqm
	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1	31.50	15.60	0.20	98.28	Cum	4073.00	400294.44
5	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all Thermo-Mechanically treated bars FE 415								
						20.00	KG	54.50	1090.00
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm Nominal size).								

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		1	1.50	1.20	0.15	0.27			
						0.27	Cum	4163.00	1124.01
7	3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement								
						0.27	Cum	469.00	126.63
8	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	1.50	0.20	1.20	0.72			
		2	1.10	0.20	1.20	0.53			
						1.25	Cum	3263.00	4072.22
9	11.2 Providing and making 12mm thick cement plaster of mix:								
	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	4.40		1.60	7.04			
						7.04	Sqm	91.50	644.16
10	Neat Cement punning.								
		1	200.00		0.60	120.00			
						120.00	Sqm	33.00	3960.00
11	1.26 Carriage by mechanical transport upto 5 km lead:								
	Earth		150.12			150.12	cum	111.00	16663.32
As per SOR Total Estimate Amount Rs.									604979.79
Say Amount Rs.									605000.00

Sub Engineer
Municipal Corporation
Korba (C.G.)

Asst. Engineer
Municipal Corporation
Korba (C.G.)

Executive Engineer
Municipal Corporation
Korba (C.G.)

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OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of Work :- **Construction Of Shed (With Profile Sheet) At Darri Ward No. 52**

As per Sor :- Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]

Sno	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unlt	Rate	Amount
1	1.2 Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
	for Gothan Shed	1	15.00	6.00		90.00			
					Total	90.00	sqm	7.20	648.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	Shed Footing	12	1.20	1.20	1.20	20.736			
		1	42	0.4	0.4	6.72			
					TOTAL	27.46	cum	185.00	5079.36
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
					TOTAL	3.41	Cum	371.00	1264.368
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
a	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
		1	15.5	6.5	0.1	10.075			
					TOTAL	13.48	cum	2970.00	40044.51
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.								
a	1.1½3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
	Shed Footing	12	1.10	1.10	0.25	3.63			
		12	0.40	0.40	1.00	1.92			
		12	0.3	0.3	0.9	0.97			

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		1	45	0.2	0.3	2.70			
		1	45	0.2	0.1	0.90			
					TOTAL	10.12	cum	4163.00	42137.886
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
a	Thermo-Mechanically treated bars FE 500D	1	10.12	60kg/cum		607.32	Kg	54.50	33098.94
7	9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer								
a	Use ISMB150X75X5mm @ 15kg/m For Column	12	5.00	15.00		900			
b	Use ISA65X65X5mm @ 7.7kg/m For truss (3X4)	12	7.00	7.70		646.8			
c	Use ISA50X50X5mm @ 3.8kg/m For truss (3X4)nos	12	5.50	3.80		250.8			
d	Use ISA35X35X5mm @ 2.6kg/m For truss (3x4)nos	12	4.50	2.60		140.4			
e	Use ISA30X30X5mm @ 2.2kg/m For purline (3X6)	12	17.00	2.20		448.8			
					TOTAL	2386.8	Kg	66	157528.8
	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer								
a	9.3.1 Electric resistance or induction butt welded tubes Grade-250								
b	Use Base Plate 5mm Thick @19.5kg/ Sqm (3X16)	48	0.3	0.3	19.5	84.24			
	Gate	1	350			350			
					Total	434.24	kg	88.5	38430.24

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ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
9	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I.								
	9.43.1 Aperture 50x50mm	1	600		1.5	1080	sqm	331	357480
10	Brick work with modular fly- ash lime bricks (FaLG Bricks) conforming IS 12894-2002 of class designation 4.0 in foundation and plinth in								
	Brick work below Chain linking fencing								
	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	46	0.3	0.4	5.52			
		1	46	0.2	0.9	8.28			
					TOTAL	13.8	sqm	3350	18492
9	Extra for brick work in superstructure:				Total	8.28	Cum	121	1001.88
11	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level								
	Column Below Plinth Beam (4x.2)m	12x4	0.9		0.25	10.80			
		12	1.2		1.2	17.28			
		2	46		0.3	27.60			
					Total	55.68	Sqm	139.00	7739.52
b	Columns, Pillars, Piers and likes- rectangular or square in shape								
		12x4	0.3		1.2	17.28			
					Total	17.28	Sqm	139.00	2401.92

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Sno	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
12	10. Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1	17	7		119	Sqm	693	82467
	10.5.3 0.63 mm thick sheet with zinc coating not less than 275gm/sqm	3	17			51	metre	445	22695
13	10.10 Extra for providing and fixing wind ties of 40x6mm flat iron section	8	17			136	metre	118	16048
14	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	46		1.2	55.2			
		1	46		0.2	9.2			
					Total	64.4	Sqm	113	7277.2
15	12.3 Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.								
	12.3.3 75 mm thick	1	15.5	6.5		100.75	Sqm	345	34758.75
16	14.22 Painting on new work (two or more coats) to give an even shade with: 14.22.1 Satin synthetic enamel paint	1	46	0.5	2.1	48.3			
					Total	48.3	sqm	55	2656.5
17	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	46		0.9	41.4			
					Total	41.4	sqm	96.5	3995.1

Sno	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
18	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	3.1	3	30	279			
	Use ISA50X50X5mm @ 3.8kg/m For post	10	10		3.8	380			
					Total	659		68.00	44812
19	9.43 Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
	9.43.1 Aperture 50x50mm	1	46		1.8	82.8			
		2	6.3		1.8	11.34			
					Total	94.14	sqm	331	31160.34
20	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	94.50	11302.2
21	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
a	14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	56.00	6697.6
					Total Estimate amount				969217.11
								Say As	970000.00

Add chain link fencing (+) 36,33500.00
 Add window composting bucket (+) 6,05,080.00

[Signature]
 Asst. Engineer

Municipal Corporation
 Korba (C.G.)

[Signature]
 Executive Engineer

Municipal Corporation
 Korba (C.G.)

Sub Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION KORBA DISTT KORBA

DETAILED ESTIMATE

Name of Work :- **Supplying & Fixing of Chain Link Fencing & Gate Work at Vaisalinager Ward No. 59**

For :- **Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]**

S.No.	DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area) including dressing and leveling in all types of soils.								
		2	100.00	0.40	0.40	32.00			
		2	100.00	0.40	0.40	32.00			
	Column Footing For Gate	2	1.60	1.60	1.60	8.19			
	For Small Gate	1	1.20	1.20	1.20	1.73			
	Plinth Beam	1	4.50	0.60	0.60	1.62			
						75.54	Cum	185.00	13974.90
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work								
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm)								
		2	100.00	0.40	0.10	8.00			
		2	100.00	0.40	0.10	8.00			
		2	1.60	1.60	0.15	0.77			
		1	1.20	1.20	0.10	0.14			
	1	4.50	0.60	0.10	0.27				
						17.182	Cum	2970.00	51030.54
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
		2*44	0.40	0.40	0.60	21.120			
		2*44	0.40	0.40	0.60	8.448			
		2	100.00	0.20	0.08	3.200			
		2	100.00	0.20	0.08	3.200			
						35.968	Cum	4073.00	146497.65
3	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for								
	10.59 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		2*4	1.50		0.40	4.800			
		2*4	1.00		0.30	2.400			
		1*4	1.10		0.30	1.320			
		2*2	0.30		1.20	1.440			
		2*2	0.40		1.20	1.920			
		1*4	0.30		1.40	1.680			
		2	4.50		0.30	2.700			
		2	1.80		0.30	1.080			
						17.340	sqm	139.00	2410.26
	Columns, Pillars, Piers and likes rectangular or square in shape								
		2*2	0.30		4.00	4.800			
		2*2	0.40		4.00	6.400			
		1*4	0.30		1.80	2.160			

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	Beams, lintels, cantilevers & walls					13.360	sqm	297.00	3967.92
		2	4.50		0.40	3.600			
		2	4.50		0.30	2.700			
		2	1.80		0.30	1.080			
		1	1.80		0.20	0.360			
						7.740	sqm	202.00	1563.48
4	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
		2	1.50	1.50	0.40	1.800			
		2	1.00	1.00	0.30	0.600			
		1	1.10	1.10	0.30	0.363			
		2	0.30	0.40	1.20	0.288			
		1	0.30	0.30	1.40	0.126			
		1	4.50	0.30	0.30	0.405			
		1	1.80	0.20	0.30	0.108			
		2	0.30	0.40	4.00	0.960			
		1	0.30	0.30	1.80	0.162			
		1	4.50	0.30	0.40	0.540			
		1	1.80	0.20	0.30	0.108			
						5.460	cum	4163.00	22729.98
5	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all Thermo-Mechanically treated bars FE 415								
						546.00	Kg	54.50	29757.00
6	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	100.00	0.30	0.300	18.000			
		2	100.00	0.20	0.300	12.000			
		2	100.00	0.30	0.300	18.000			
		2	100.00	0.20	0.300	12.000			
		1	4.50	0.20	1.200	1.080			
						61.08	Cum	3263.00	199304.14
7	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		2	100.00		1.000	200.00			
		2	100.00		1.000	200.00			
		2	4.50		1.400	12.60			
						412.60	Sqm	91.50	37752.9)
8	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
		2*44	2.00			176.00			
		2*44	2.00			176.00			

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of Work :- Construction of Windrow Compositing Bed at Vaisalinagar Ward no. 59

As per Sor :- Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]

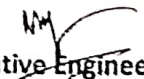
Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
		1	31.50	15.60	0.30	147.42			
		1	1.50	1.50	1.20	2.70			
				Total		150.12	Cum	185.00	27772.20
2	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.								
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6								
		1	31.50	15.60	0.10	49.14			
		1	1.50	1.50	0.10	0.23			
				Total		49.37	Cum	2970.00	146614.05
3	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels for:								
a	Foundations, footings, base of columns and plinth beam in any shape and size.								
		2	31.50		0.20	12.60			
		2	15.60		0.20	6.24			
				Total		18.84	Sqm	139.00	2618.76
a	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work								
	3.1.5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1	31.50	15.60	0.20	98.28	Cum	4073.00	400294.44
	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
	Thermo-Mechanically treated bars FE 415								
						20.00	KG	54.50	1090.00
	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm Nominal size)								

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ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		1	1.50	1.20	0.15	0.27			
						0.27	Cum	4163.00	1124.01
	3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement								
						0.27	Cum	469.00	126.63
	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	1.50	0.20	1.20	0.72			
		2	1.10	0.20	1.20	0.53			
						1.25	Cum	3263.00	4072.22
	11.2 Providing and making 12mm thick cement plaster of mix:								
	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	4.40		1.60	7.04			
						7.04	Sqm	91.50	644.16
	Neat Cement punning.								
		1	200.00		0.60	120.00			
						120.00	Sqm	33.00	3960.00
5	1.26 Carriage by mechanical transport upto 5 km lead:								
	Earth		150.12			150.12	cum	111.00	16663.32
As per SOR Total Estimate Amount Rs.									604979.79
Say Amount Rs.									605000.00

Sub Engineer
Municipal Corporation
Korba (C.G.)

Asst. Engineer
Municipal Corporation
Korba (C.G.)


Executive Engineer
Municipal Corporation
Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

Name of Work :- **Construction Of Shed (With Profile Sheet) At Vaishalinagar Ward No. 59**
As per Sor :- Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]

Sno	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
	for Gothan Shed	1	15.00	6.00		90.00			
					Total	90.00	sqm	7.20	648.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	Shed Footing	12	1.20	1.20	1.20	20.736			
		1	42	0.4	0.4	6.72			
					TOTAL	27.46	cum	185.00	5079.36
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
					TOTAL	3.41	Cum	371.00	1264.368
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
a	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
		1	15.5	6.5	0.1	10.075			
					TOTAL	13.48	cum	2970.00	40044.51
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.								
a	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
	Shed Footing	12	1.10	1.10	0.25	3.63			
		12	0.40	0.40	1.00	1.92			

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ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		12	0.3	0.3	0.9	0.97			
		1	45	0.2	0.3	2.70			
		1	45	0.2	0.1	0.90			
					TOTAL	10.12	cum	4163.00	42137.886
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
a	3.12.2 Thermo-Mechanically treated bars FE	1	10.12	60kg/cum		607.32	Kg	54.50	33098.94
7	9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer								
a	Use ISMB150X75X5mm @ 15kg/m For Column	12	5.00	15.00		900			
b	Use ISA65X65X5mm @ 7.7kg/m For truss (3X4)	12	7.00	7.70		646.8			
c	Use ISA50X50X5mm @ 3.8kg/m For truss (3X4)nos	12	5.50	3.80		250.8			
d	Use ISA35X35X5mm @ 2.6kg/m For truss (3x4)nos	12	4.50	2.60		140.4			
e	Use ISA30X30X5mm @ 2.2kg/m For purline (3X6)	12	17.00	2.20		448.8			
					TOTAL	2386.8	Kg	66	157528.3
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc								
a	9.3.1 Electric resistance or induction butt welded tubes Grade-250								
b	Use Base Plate 5mm Thick @19.5kg/ Sqm (3X16)	48	0.3	0.3	19.5	84.24			
	Gate	1	350			350			
					Total	434.24	kg	88.5	38430.24
9	9.43 Providing and fixing in position chain Linked steel wire fabric made of 4 mm dia G.I wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I.								
	9.43.1 Aperture 50x50mm	1	600		1.5	1080	sqm	331	357480

(11)

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
10	Brick work with modular fly- ash lime bricks (FaLs Bricks) confirming IS 12894-2002 of class designation 4.0 in foundation and plinth in Brick work below Chain linking fencing								
	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	46	0.3	0.4	5.52			
		1	46	0.2	0.9	8.28			
					TOTAL	13.8	sqm	3350	18492
9	Extra for brick work in superstructure:				Total	8.28	Cum	121	1001.88
11	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level								
	Column Below Plinth Beam (4x.2)m	12x4	0.9		0.25	10.80			
		12	1.2		1.2	17.28			
		2	46		0.3	27.60			
					Total	55.68	Sqm	139.00	7739.52
b	Columns, Pillars, Piers and likes- rectangular or square in shape								
		12x4	0.3		1.2	17.28			
					Total	17.28	Sqm	139.00	2401.92
12	10.12 Supply and fixing of polymer precast galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1	17	7		119	Sqm	693	82467
	10.5.3 0.63 mm thick sheet with zinc coating not less than 275gm/sqm	3	17			51	metre	445	22695
13	10.10 Extra for providing and fixing wind ties of 40x6mm flat iron section	8	17			136	metre	118	16048

C.W.

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
14	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	46		1.2	55.2			
		1	46		0.2	9.2			
				Total	64.4	Sqm	113	7277.2	
15	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.								
	75 mm thick	1	15.5	6.5		100.75	Sqm	345	34758.75
16	14.22 Painting on new work (two or more coats) to give an even shade with:								
	14.22.1 Satin synthetic enamel paint	1	46	0.5	2.1	48.3			
					Total	48.3	sqm	55	2656.5
17	11.2 Providing and making 12mm thick cement plaster of mix:								
	In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	46		0.9	41.4			
					Total	41.4	sqm	96.5	3995.1
18	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	3.1	3	30	279			
	Use ISA50X50X5mm @ 3.8kg/m For post	10	10		3.8	380			
					Total	659		68.00	44812
19	9.43 Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
	9.43.1 Aperture 50x50mm	1	46		1.8	82.8			
		2	6.3		1.8	11.34			
					Total	94.14	sqm	331	31160.34
20	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	94.50	11302.2

(W)

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
21	Painting exterior surface with ACRYLIC SMO. H exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
a	14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	56.00	6697.6
		Total Estimate amount							969217.11
		Say As							970000.00

Add chain link fencing (+) 10,77,500.00
 Add windows composting pit 6,55,000.00
 WA 26,52,500.00

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 Korba (C.G.)


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Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
3	2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 coarse sand stone aggregate 20mm Nominal size).								
		1	1.50	1.20	0.15	0.27			
						0.27	Cum	4163.00	1124.01
7	3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement								
						0.27	Cum	469.00	126.63
8	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	1.50	0.20	1.20	0.72			
		2	1.10	0.20	1.20	0.53			
						1.25	Cum	3263.00	4072.22
9	11.2 Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	4.40		1.60	7.04			
						7.04	Sqm	91.50	644.16
10	Neat Cement punning.								
		1	200.00		0.60	120.00			
						120.00	Sqm	33.00	3960.00
11	1.26 Carriage by mechanical transport upto 5 km lead: Earth								
			150.12			150.12	cum	111.00	16663.32
As per SOR Total Estimate Amount Rs.									604979.79
Say Amount Rs.									605000.00

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(2) (2)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

Name of Work :- **Construction Of Shed (With Profile Sheet) At Pump House Ward No. 14.**

As per Sor :- **Schedule of Rates Public Works Department [PWD BUILDING 01-01-2015]**

Sno	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	1.2 Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
	for Gothan Shed	1	15.00	6.00		90.00			
					Total	90.00	sqm	7.20	648.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	Shed Footing	12	1.20	1.20	1.20	20.736			
		1	42	0.4	0.4	6.72			
					TOTAL	27.46	cum	185.00	5079.36
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
					TOTAL	3.41	Cum	371.00	1264.368
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
		1	15.5	6.5	0.1	10.075			
					TOTAL	13.48	cum	2970.00	40044.51
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.								
2	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Shed Footing	12	1.10	1.10	0.25	3.63			

no	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
		12	0.40	0.40	1.00	1.92			
		12	0.3	0.3	0.9	0.97			
		1	45	0.2	0.3	2.70			
		1	45	0.2	0.1	0.90			
					TOTAL	10.12	cum	4163.00	42137.886
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
a	Thermo-Mechanically treated bars FE 500D	1	10.12	60kg/cum		607.32	Kg	54.50	33098.94
7	9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer								
a	Use ISMB150X75X5mm @ 15kg/m For Column	12	5.00	15.00		900			
b	Use ISA65X65X5mm @ 7.7kg/m For truss (3X4)	12	7.00	7.70		646.8			
c	Use ISA50X50X5mm @ 3.8kg/m For truss (3X4)nos	12	5.50	3.80		250.8			
d	Use ISA35X35X5mm @ 2.6kg/m For truss (3x4)nos	12	4.50	2.60		140.4			
e	Use ISA30X30X5mm @ 2.2kg/m For purline (3X6)	12	17.00	2.20		448.8			
					TOTAL	2386.8	Kg	66	157528.8
	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc								
a	9.3.1 Electric resistance or induction butt welded tubes Grade-250								
b	Use Base Plate 5mm Thick @19.5kg/ Sqm (3X16)	48	0.3	0.3	19.5	84.24			
	Gate	1	350			350			
					Total	434.24	kg	88.5	38430.24

W

no	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
9	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
	9.43.1 Aperture 50x50mm	1	600		1.5	1080	sqm	331	357480
10	Brick work with modular fly- ash lime bricks (FaLG Bricks) conforming IS 12894-2002 of class designation 4.0 in foundation and plinth in								
	Brick work below Chain linking fencing								
	Cement Mortar 1.5 (1 cement :5 coarse sand)	1	46	0.3	0.4	5.52			
		1	46	0.2	0.9	8.28			
					TOTAL	13.8	sqm	3350	18492
9	Extra for brick work in superstructure:				Total	8.28	Cum	121	1001.88
11	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level								
	Column Below Plinth Beam (4x.2)m	12x4	0.9		0.25	10.80			
		12	1.2		1.2	17.28			
		2	46		0.3	27.60			
					Total	55.68	Sqm	139.00	7739.52
b	Columns, Pillars, Piers and likes- rectangular or square in shape								
		12x4	0.3		1.2	17.28			
					Total	17.28	Sqm	139.00	2401.92


(W)


	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
12	Supply and fixing of polymer pre-coated galvanized profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	1	17	7		119	Sqm	693	82467
	10.5.3 0.63 mm thick sheet with zinc coating not less than 275gm/sqm	3	17			51	metre	445	22695
13	10.10 Extra for providing and fixing wind ties of 40x6mm flat iron section	8	17			136	metre	118	16048
14	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	46		1.2	55.2			
		1	46		0.2	9.2			
					Total	64.4	Sqm	113	7277.2
15	12.3 Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.								
	75 mm thick	1	15.5	6.5		100.75	Sqm	345	34758.75
16	14.22 Painting on new work (two or more coats) to give an even shade with:								
	14.22.1 Satin synthetic enamel paint	1	46	0.5	2.1	48.3			
					Total	48.3	sqm	55	2656.5
17	11.2 Providing and making 12mm thick cement plaster of mix:								
	11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	46		0.9	41.4			
					Total	41.4	sqm	96.5	3995.1
18	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								

Sl. No.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
	ratings, frames, guard bar, ladder, railings, brack... gates and similar works.	1	3.1	3	30	279			
	Use ISA50X50X5mm @ 3.8kg/m For post	10	10		3.8	380			
					Total	659		68.00	44812
19	9.43 Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
	9.43.1 Aperture 50x50mm	1	46		1.8	82.8			
		2	6.3		1.8	11.34			
					Total	94.14	sqm	331	31160.34
	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	94.50	11302.2
21	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
a	14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20								
		2	46		1.2	110.4			
		1	46		0.2	9.2			
					Total	119.60	Sqm	56.00	6697.6
Total Estimate amount									969217.11
Say As									970000.00

Actual window composting bed + 6,05,000.00
Total 15,75,000.00

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