### कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

<u>फा.क. 863 /</u> निर्माण / 2022

#### सिस्टम टेंडर नं. 114310 ई—निविदा आमंत्रण सूचना

कोरबा दिनांक 11.11.2022

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 :--

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

शर्ते:-

- 1. 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 नही होगी।
- उड़कुं ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप 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।
- 4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्युरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- 5. 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।
- 6. 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।
- 7. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवंन और अन्य सिन्नामीण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) अधिनियम 1996 एवं तद्अंतर्गत निर्धारित नियमों के तहत् पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- 8. ईंट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- 9. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- 10. 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 परफारमेंस 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 समयाविध में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- 11. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा।
- 12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- 13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- 14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

प्रार्थपालन अभियंता नगर पॉलिक निगम कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

### **Date-Time Detail(s)**

Seq.	Nagar Nigam Stage	Contractor Stage	Star	t	Expi	ry	Remarks
No.			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.)



DETAILED ESTIMATE Construction 4 Shade
Name of Work: - Supplying & Fixing of Chant Link Fencing & Gate Work at Darri Ward No. 52

As	per Sor :- Schedule of Rates Public Work	s Done	ortmont ( D)	MD D	, C			- d	aru 140. 52
	per Sor: - Schedule of Rates Public Work ITEM DESCRIPTION		i unent [PV	AD B	UILDING	01-01-201	[5]		
	Surface dressing of the ground including			- B	H/D	- Q	ty Uni	t Rate	Amount
1 1	removing vegetation and making up	1							1
١ ، ا	undulations and in-equalities not exceeding 1	5			1				
1	ems in depth/ height including disposal of				1				1
	rubbish upto 1.5 m lift and lead upto 50m (a						- 1		
	least 5m away from the dressed area).	'		1			- {	1	1
	For Fencing Pole	<del> </del>	4500.00	-				-	
	one received to the	1	1500.00	1.00		1500.0		-	-
	Excavation for all types and sizes of	-		+	Total	1500.0	0 sqm	7.20	10800.00
	foundations, trenches and drains or for any				1				1
	other purpose including disposal of excavated	.			İ			1	
2	stuff upto 1.5 m lift and lead upto 50m (at	'		1			1		
1	least 5m away from the excavated area),	ł		-	1	1			
t	including dressing and leveling of pits.	1		1		1	1		
_		<del> </del>							
-	For fencing Pole Footing	1	1500.00	0.40	0.60	360.00			
	Providing and laying nominal mix cement	├		╂	TOTAL	360.00	cum	185.00	66600.00
	concrete with crushed stone aggregate using	1							
4	concrete mixer in foundation, plinth and at	1	1						
	ground level excluding cost of form work.							1	
	1:3:6 (1 cement : 3 coarse sand : 6 graded	-							
3	stone aggregate 40mm nominal size).	1			1		1		
	For fencing Pole Footing	1	1500.00	0.40	0.40	-	<u> </u>		
	1 of Tenening 1 the 1 totting	1	1300.00	0.40	0.10	60.00	-		
		-	-		TOTAL	60,00	CUM	2970.00	178200.00
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded	<u> </u>	-		-				
	stone aggregate 20mm nominal size).	}			1				
	sione aggregate zonitii nonitiiai size).	601	0.20	0.00	-				
$\dashv$		1		0.30	0.60	32.45			
+		7	1500.00	0.30	0.08	33.75			
$\dashv$	Steel work welded in built up sections/ framed					66.20	cum	4073.00	269648.89
- 1	work including cutting, hoisting, fixing in								
7	position and applying a priming coat of red								
	oxide zinc chromate primer.		1 1						
	In gratings, frames, guard bar, ladder, railings,								
	brackets, gates and similar works.								
7	1 1 7	501	2.00						
		2*600	2.50			1202.00			
-	Use ISA50X50X5mm @ 3.8kg/m For post	- 000	2.30			3000.00			
			<del>                                     </del>			4202.00			
	Diagonal Braces	500	3.54			15967.60			
_	Flat Patti 40*5		3.34			2124.00			
$\int$						3398.40			
			1	- 1	1	19366.00	kg		1316888.00

A3 Providing and fixing in position chain wire of vequired 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  Brick work with modular fly- ash lime bricks (FaLG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  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  1 150  2250.00 sqm  1 1500.00  1 1707AL  1 197.06 sqm  1 1707AL   To		ITEM DESCRIPTION	IN.	1.								
in size wire tabric made of 4 mm dia G.I. wire of vequired 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  Brick work with modular fly- ash lime bricks (FaLG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  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 1:  12 cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  14.22 Painting on new work (two or more coats) to give an even shade with:  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  1 150  1 150.00  1 150  1 1	10	Neg.	2.43 Providing and fixing in position shair	N ·	<u> </u>	В	H/D		Qty l	Init Rat	e	Amount
surfer of varieties with 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  Brick work with modular fly- ash lime bricks (FaLG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  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  10.40 600.00  Total  11.2 Providing and making 12mm thick cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand)  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  1 150	18.53		wire fabric made of 4 mm 1. Grain	3								1
wooden angle fron 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  Brick work with modular fly- ash lime bricks (FaLG Bricks) confirming 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  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  Foundations, footings, bases of columns a 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  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 Sqm 1: 12 cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00 0.40 600.00 Sqm 95 14.22 Painting on new work (two or more coats) to give an even shade with:  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 Sqm 55			wire of required width in mesh to	:		1	-					1
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  Brick work with modular fly- ash lime bricks  (FaLG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  Foundations, footings, bases of columns a 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  O.50 601.00  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  O.40 600.00  Total  10 1500.00 0.40 600.00  Total  11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	3	wooden/ angle iron posts including									
Staples, G.I.U-nails or steel pins etc., complete.   9.43.1 Aperture 50x50mm   1   1500.00   1.50   2250.00   sqm			and screwing with 2mm die C.I.				1		- 1			
9.43.1 Aperture 50x50mm  Brick work with modular fly- ash lime bricks (FALG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  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  Foundations footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.  11.3.3 In Cement Mortar 1:5 (1 cement : 5  1 1500.00  0.40  600.00  Total  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  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  1 500.0			staples GIII-pails or stool pine. Wire, G.I.									
Brick work with modular fly- ash lime bricks (FaLG Bricks) confirming 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)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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.  Froviding 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  O.40 600.00  Total 600.00 Sqm 1:  12 12 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 sqm 96 coats) to give an even shade with:  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 sqm 55	_	1	9.43.1 Aporture 50, 50							- 1		
class designation 4.0 in foundation and plinth Brick work below Chain linking fencing Cement Mortar 1:5 (1 cement :5 coarse sand)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  Foundations, footings, bases of columns a 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  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  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 coats) to give an even shade with:  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 sqm 55				1	1500.00		1.50	2250	.00 sc	m 331.	00	744750.00
Class designation 4.0 in foundation and plinth Brick work below Chain linking fencing Cement Mortar 1:5 (1 cement :5 coarse sand)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 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  O.50 601.00  Total 601.00 Sqm  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 Sqm 1:  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 Sqm 96 coats) to give an even shade with:  14.22 Painting on new work (two or more coats) to give an even shade with:  14.22 I Satin synthetic enamel paint 1 1500.00 1.50 2250.00 Sqm 55	۵	1	Sinck work with modular fly- ash lime bricks					1				
Class designation 4.0 in foundation and plinth Brick work below Chain linking fencing Cement Mortar 1:5 (1 cement :5 coarse sand)  Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 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  O.50 601.00  Total 601.00 Sqm  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 Sqm 1:  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 Sqm 96 coats) to give an even shade with:  14.22 Painting on new work (two or more coats) to give an even shade with:  14.22 I Satin synthetic enamel paint 1 1500.00 1.50 2250.00 Sqm 55	9	1	(FalG Bricks) confirming IS 12894-2002 of				1					
Cement Mortar 1:5 (1 cement :5 coarse sand) 1 1313.70 0.30 0.50 197.06 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  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 1:  12 2 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 Sqm 9:  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 Sqm 55		4	class designation 4.0 in foundation and plinth			<u> </u>						
Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  O.50 601.00  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  O.40 600.00  Total 600.00 Sqm 1:  12 cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  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 sqm 55	_	+	Brick work below Chain linking fencing						.			
Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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  O.50 601.00  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  Total 600.00 Sqm 1:  12 cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  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 sqm 55		4	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	1313.70	0.30	0.50	197.	06			
10 centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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		1		T			TOTAL	. 197.	06 sq	m 3350	.00	660134.25
10 centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:  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			Providing and fixing form work including				1					
propping bracing etc. complete and including its removal at all levels, for:  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  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  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  13 14.22 Painting on new work (two or more coats) to give an even shade with:  14 1500.00  150 2250.00 sqm 55	10	٦	centring, shuttering, strutting, staging,						- 1			
its removal at all levels, for:  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  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 1:  12 Providing and making 12mm thick cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  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  1 500.00 Sqm 55	Δ(		propping bracing etc. complete and including	1			1		1	- 1		
a 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  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  Total 600.00 Sqm 1:  12 cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  1 4.22 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 sqm 55												
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  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  Total 600.00 Sqm 1:  12 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 sqm 96 coats) to give an even shade with:  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 1500.00 sqm 95												
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  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  Total 600.00 Sqm 1:  12 Providing and making 12mm thick cement plaster of mix:  In Cement Mortar 1:5 (1 cement : 5 fine sand 1 1500.00  Total 600.00 Sqm 1:  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  Total 2250.00 sqm 55	а									1	- 1	
plinth beam, curtain wall in any shape and size and all type of wall below plinth level.												
Size and all type of wall below plinth level.   601*2   0.50   601.00												
Providing and making 15mm thick cement   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	1				
Total   601.00   Sqm		4	size and all type of wall below plinth level.				ļ				1	
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		1		601*2							$\perp$	
11   plaster on the rough side of	_	4					Total	601.0	O Sq	m 139.	00	83539.00
Single or half brick wall of mix:		- 1			1 1			l			- 1	
11.3.3 In Cement Mortar 1:5 (1 cement : 5   1   1500.00   0.40   600.00   1   12   11.2 Providing and making 12mm thick cement plaster of mix:	11	- 1	-						1	1		
1 1500.00 0.40 600.00 Total 600.00 Sqm 1:  12 I1.2 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 sqm 96 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 sqm 55		4		المعاشف والمساود والمساود والمساود والمساود							$\perp$	
Total   600.00   Sqm   12   11.2   Providing and making 12mm thick cement plaster of mix:			11.3.3 In Cement Mortar 1:5 (1 cement : 5									
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     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   sqm   55		1		1	1500.00		0.40	600.00				
12   cement plaster of mix:							Total	600.00	Sqm	113.00		67800.00
In Cement Mortar 1:5 (1 cement : 5 fine sand   1   1500.00   0.40   600.00	12	, 1	_								1	
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	14	1								1		
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		1	In Cement Mortar 1:5 (1 cement : 5 fine sand	L	1500.00		0.40	600.00				
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		1					Total	600.00	sqm	96.50	$\top$	57900.00
coats) to give an even shade with:     14.22.1 Satin synthetic enamel paint   1   1500.00     1.50   2250.00	13			ł		3					1	
Total 2250.00 sqm 55.		1										
		1	14.22.1 Satin synthetic enamel paint 1		1500.00			2250.00			T	
Wall painting with acrylic premium		1					Total	2250.00	sqm	55.00		123750.00
14 emulsion (plastic) paint of required shade to	14		-				-					
give an even shade.		-	The state of the s									
On new work (two or more coats) 1200.00		1	Jn new work (two or more coats)									
Total 1200.00 sqm 44.		+				1					•	53400.00
Total Estimate am		+						<b>Total Esti</b>	mate	amount	36	533410.14
Say		1							Say		_	533500.00

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



### **DETAILED ESTIMATE**

Name of Mork :- 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.	T delle vvoiks	Dep.	artmen	t [ PWD	BL	JILDIN(	3 01-01 <b>-</b> 2	015]		
1	Excavation for all types and sizes of		L	В		H/D	Qty		it Rat	e Amount
	foundations, trenches and drains or for any									
	other purpose including disposal of excavated			1				- 1		
1	stuff upto 1.5 m lift and lead upto 50m (at	1	1							1
	least 5m away from the		1						1	
	least 5m away from the excavated area),	1	1	1					1	İ
	including dressing and leveling of pits.			1	1			1	ì	_
		1	31.5	0 15.6	0	0.30	147.42	2		
		1	1.50	1.50	)	1.20	2.70	_		
					To	tal	150.12	Cui	n 185.0	0 27772.20
	Providing and laying nominal mix				Ť	-			11 203.0	27772.20
	reinforcement cement concrete with crushed	1	1	1	- 1		1			1
2	stone aggregate using concrete mixer in all			-						ļ
	works upto floor five level excluding cost of	1		1	- 1		1			
	reinforcement and form work.			1	-					
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6									
		1	31.50	15.60	7	0.10	49.14	+-	-	+
	~	1	1.50	1.50		0.10	0.23		-	+
		<u> </u>			Tot		49.37	Curr	2970.00	146614.05
	Providing and fixing formwork including	<del>                                     </del>	<del> </del>	-	T	ai	45.57	Cuii	2570.00	140014.03
3	centering, shuttering, strutting, staging,		l	Ì						1
3	propping bracing etc. complete and including		!					1		
	its removal at all levels for							1	Ì	İ
_	Foundations, footings, base of columns and				Т					
а	plinth beam in any shape and size.			l	1				1	
		_	24.50		+	0.00				
		2	31.50		-	0.20	12.60			
		2	15.60			0.20	6.24			
	21 D-(1) - 11 (- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			T	ota		18.84	Sqm	139.00	2618.76
	3.1 Providing and laying nominal mix plain	- 1			1					
٠.	cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth					1				
	level excluding cost of form work	- 1								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded	-			-					
	stone aggregate 20mm nominal size).	1	31.50	15.60	1	0.20	98.28	Cum	4073.00	400294.44
	3.12 Providing and placing in position	-+			-				.575.00	TOUZ 34,44
	reinforcement for R.C.C. work including								į	1
	straightening, cutting, bending, binding etc.									1
	complete as per drawings including cost of									-
	binding wire in foundation and plinth all							1		1
	Thermo-Mechanically treated bars FE 415	_	-							
-	3.2 Providing and laying nominal mix	-					20.00	KG	54.50	1090.00
1	reinforced cement concrete with crushed	1		- 1						
6	stone aggregate using concrete mixer in all								1	- 1
,	works upto plinth level excluding cost of form			1			ĺ		1	
	1								-1	
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm Nominal size).									
1	STREET STUTE ARRIGATE ZUMM Nominal Size).							- 1	1	

	ITEM DESCRIPTION	N	1	T	Т				
01		_	L	В	H/D	Qty	Unit	Rate	Amount
1-	1-	1	1.50	1.20	0.15	0.27			
						0.27	Cum	4163.00	1124.01
7	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								** g
						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			и
						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)					n N			
		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	بلحصيا		150.12		111.00	16663.32
				As per	SOR Tota	al Estima			604979.79
						Sa	ay Amo	unt Rs.	605000.00

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



#### **DETAILED ESTIMATE**

Name of Wlork :- 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	IN	L	В	H/D	Qty	Unit	Rate	Amount
	1.2 Surface dressing of the ground including		has .	-	11/10	laty	Oille	Nate	Amount
	removing vegetation and making up								1
	undulations and in-equalities not exceeding 15	l	l		1				l
1	cms in depth/ height including disposal of				1				ł
	rubbish upto 1.5 m lift and lead upto 50m (at								
	least 5m away from the dressed area).						1		
			1 = 5 =		.	00.00		<del> </del>	<del> </del>
	for Gothan Shed	1	15.00	6.00		90.00	-	7.20	649.00
			<b></b>		Total	90.00	sqm	7.20	648.00
	Excavation for all types and sizes of			ł					
	foundations, trenches and drains or for any			1					
2	other purpose including disposal of excavated								
	stuff upto 1.5 m lift and lead upto 50m (at least						1		1
1	5m away from the excavated area), including					Ì	}		}
<u> </u>	dressing and leveling of pits.		4.00	1.00	1 20	20.726			<b></b>
	Shed Footing	12	1.20	1.20	1.20	20.736			
		1	42	0.4	0.4	6.72		105.00	5079.36
_					TOTAL	27.46	cum	185.00	3073.30
	Providing and filling in plinth with sand/		3	ļ		2			
1	Crusher dust and hard moorum under floor in		- ,	- '			9		
3	layers not exceeding 20cm in depth consolidating each deposited layer by								
	ramming and watering, including dressing								
-	The state of the s	12	1.20	1.20	0.10	1.728			
-	Shed Footing	1	42	0,4	0.1	1,68			
-		-			TOTAL	3.41	Cum	371.00	1264.368
-	Providing and laying nominal mix cement								
	concrete with crushed stone aggregate using								
4	concrete mixer in foundation, plinth and at								
	ground level excluding cost of form work.								
,	1:3:6 (1 cement : 3 coarse sand : 6 graded stone								
a	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
	Providing and laying nominal mix								
	reinforcement cement concrete with crushed					İ			-
5	stone aggregate using concrete mixer in all					I			
	works upto floor five level excluding cost of	1			}	1	-		
	reinforcement and form work.					İ	-	- 1	
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded			"				1 2 1	*u ,,
	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			

	1	ITEM DESCRIPTION	TNI	·	-					
	S	T	N 1	L	В	H/D	Qty	Unit	Rate	Amount
	F	+	$\frac{1}{1}$	45	0.2		2,70			
1	1		+-	43	0.2		0.90			
	H	3.12 Providing and placing in position	+-		-	TOTAL	10.12	cum	4163.00	42137.886
		reinforcement for R.C.C. work including	1			1				
	6	straightening, cutting, bending binding etc.				1				
-		complete as per drawings	1	1			-			
-		including cost of binding wire in foundation			1					
H		and plinth all complete:								
+		Thermo-Mechanically treated bars FE 500D	1	10.12	601	kg/cum	607.32	Kg	54.50	33098.94
		9.2 Structural steel work riveted or bolted or								
		welded in built-up sections, trusses and frames work upto a height of 5m						1	1 1	
	7	above plinth level, including			1	1			1	
		cutting, hoisting, fixing in position and			1					
		applying a priming coat of red oxide			1					
•	1	zinc chromate primer			ł			1		
1	7	Use ISMB150X75X5mm @ 15kg/m For	12	5.00	15.00		900	-		
Ľ	a	Column								
		Use ISA65X65X5mm @ 7.7kg/m For truss	12	7.00	7.70		646.8			
L	1	(3X4)		ļ						
	_	Use ISA50X50X5mm @ 3.8kg/m For truss	12	5.50	3.80		250.8			
-	-+	(3X4)nos	12	4.50						
0	1	Use ISA35X35X5mm @ 2.6kg/m For truss (3x4)nos	12	4.50	2.60		140.4			
-	-	Use ISA30X30X5mm @ 2.2kg/m For purline	12	17.00	2.20		448.8			
6	9 1	(3X6)		17.00	2.20		440.0			
	1					TOTAL	2386.8	Kg	66	157528.8
	9	9.3 Steel work in tubular (round, square or						.,,,		15752555
		ectangular hollow tubes etc.) structure in built-								
	- 1	up sections, trusses and frame work including						1		
	- 3	eutting, hoisting, fixing in position upto a								
į	1	reight of 5m above plinth level, consisting of			- 1	1		1		
1 -	3	olumns trusses, roof and bottom purlins, base				l				
		late, holding down bolts, wind ties bracing (if equired), bolts, nuts and washers for fastening	l			- 1				
		tc. complete with applying a priming coat of				1				
	-1	ed oxide zinc								
	-1	hromate primer	- 1		1		İ			
	4	3.1 Electric resistance or induction butt								
а		elded tubes Grade-250								
L.	-	se Base Plate 5mm Thick @19.5kg/ Sqm	48	0.3	0.3	19.5	84.24			
b		X16)			J.5	13.5	84.24			
	G	ate	1	350	-		350			
					_	Total	434.24	ka	00 5	20426.21
							1.24	kg	88.5	38430.24

	ITEM DESCRIPTION	N	L	В	11110	15:		,	
1	Providing and fixing in position chain	<del>                                     </del>	-	-	H/D	Qty	Unit	Rate	Amount
A Comment	llinker steel wire tabric made of A mm die Cit		1						
Ĭ	wire of required width in mesh to concrete/	l			1		1		
	Two den angle		1						
- 1	iron posts including securing and screwing		}				1		
1	with 2mm dia G.I. wire, G.I.		1				ŀ		
L	9.43.1 Aperture 50x50mm	1	600	1	1.5	1080	sqm	331	357480
	Brick work with modular fly- ash lime bricks		1	1			34,11	331	337403
1	(FalG Bricks) confirming IS 12804,2002 of								
	class designation 4.0 in faundation and plinth in			1			1	}	
-									
L	Brick work below Chein linking fencing								
L	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	46	0.3	0.4	5.52			
L		1	46	0.2	0.9	8.28			
L	·			· -	TOTAL	13.8	sqm	3350	18492
9	Extra for brick work in superstructure:	)			Tatal	0.20	6	474	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1 -	2.1 Providing and fixing form work				Total	8.28	Cum	121	1001.88
1	including						1		
1	staging, propping bracing etc. complete and								
L	including its removal at all levels, for:	'n							
1	Foundations, footings, bases of columns plinth								
a	beam, curtain wall in any shape and size and all						1 1		
<u>_</u>	type of wall below plinth level								
L	Colum Below Plinth Beam (4x.2)m	12x4	0.9		0.25	10.80			
L		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						•		
بز	square in shape	l			1				
		l2x4	0.3		1.2	17.28			
					Total	17.28	Sqm	139.00	2401.92

	ITEM DESCRIPTION	N	1.						
AST	Title supply and fixing of polymer presents	_	L	В	H/D	Qty	Unit	Rate	Amount
	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 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		
<u></u>		1	46		0.2	9.2			
<u>}</u> -	10.0.0				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.								7277.2
	12.3.3 75 mm thick	1	15.5	6.5		100.75	Same		
16	14.22 Painting on new work (two or more coats) to give an even shade with:					200.75	Sqm	345	34758.75
-	14.22.1 Satin synthetic enamel paint	1	46	0.5	2.1	48.3	<del>  -</del>		
17	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine				Total	48.3	sqm	55	2656.5
-	sand	1	46		0.9	41.4			
					Total	41.4	sqm	96.5	3995.1

	ITEM DESCRIPTION	N	L	В	H/D	064	11-16	In .	
5	steel ork welded in built up sections/ framed	<del>                                     </del>	-	-	INID	Qty	Unit	Rate	Amount
1	work is cluding cutting, hoisting, fixing in	1	1			)			
1	position and applying a priming coat of red	1	1				1		
	oxide zinc chromate primer.				-		1		
1	In gratings, frames, guard bar, ladder, railings,						1		
-	brackets, gates and similar works.			ļ					
L		1	3.1	3	30	279			
	Use ISA50X50X5mm @ 3.8kg/m For post	10	10		3.8	380			
					Total	659		68.00	44812
	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/		1	1	1	1	1	1	,
19	wooden/ angle iron posts including securing								
	and screwing with 2mm dia G.I. wire, G.I.								
İ	staples, G.I.U-nails or steel pins etc., complete.		ĺ	Ì					
1_	0.42 1 A	1	46		1.8	82.8	-		<del> </del>
_	9.43.1 Aperture 50x50mm	2	6.3		1.8	11.34			-
<b>—</b>			0.5			94.14	sqm	331	31160.34
_					Total	24,14	Sqiii	221	322000
	14.13 Providing and applying 2mm thick ready								
	mix exterior grade approved								
20	make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI,					Ä.			
	Nerolac, J.K. wall putty) on walls to make the								
	surface smooth and even.		1		1		1		
-	Surface Singer and Control	2	46		1.2	110.4			90.4
$\vdash$		1	46		0.2	9.2			
					Total	119.60	Sqm	94.50	11302.2
	14.15 Painting exterior surface with ACRYLIC	Ī							
	SMOOTH exterior paint of required shade as			}					
_	per manufacturer's specifications to give								
21	protective and decorative finish including	1		- 1	1		1		
<u> </u>	cleaning washing of surface etc. complete with:	1			I				
<u> </u>	14.15.1 On new work (Two or more coats	$\dashv$			+				
	applied @ 1.43 ltr/ 10 sqm over and including								
2	priming coat of exterior primer applied @ 2.20								1
-	priming your or oriented priming approved	2	46		1.2	110.4			
-		1	46		0.2	9.2			
_					Total	119.60	Sqm	56.00	6697.6
						Total Es	timate a	mount	969217.11
					-			Say As	97,0000.00
		-A-	Ack C	2 /2014	Link	fenchig	L (-)	7) 2	6.33500100

Asst. Engineer

Municipal Corporation

Korba (C.G.)

# OFFICE OF THE MUNICPAL CORPORATION KORBA DISTT KORBA DETAILE ESTIMATE

ame of Work :- Supplying & Fixing of Chani Link Fencing & Gate Work at Vaisalinager Ward No. 59

die.	ame of VVor		51115	<del>u u</del>	10 990	in at va	isaiiia	yer war	<u>n No. 59</u>
	Sor :- Schedule of Rates Public Works Der		PWDE	BUILD		-01-2015	5]		
/s.i	ESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
A	Excavation for all types and sizes of foundations								
	trenches and drains or for any other purpose				i				
	including disposal of excavated stuff upto 1.5 n	n	1						
	lift and lead upto 50m (at least 5m away from the								
1	excavated area) including dressing and leveling				1				
!	In all types of soils.	7		!	ļ				
1		2	100.00	0.40	0.40	32.00	1		
		2		-	-	32.00	ĺ		
	Column Footing For Gate	2				8.19	1		
1		-	<del>                                     </del>			1.73		<del> </del>	
1	For Small Gate	1					ļ		
İ	Plinth Beam	1	4.50	0.60	0.60	1.62		105.00	1007100
		ļ				75.54	Cum	185.00	13974.90
	Providing and laying nominal mix plain cement	t	1					1	
	concrete with crushed stone aggregate using	3	1	ł			-	l	
	concrete mixer in all works upto plinth level			l		3			
1	excluding cost of form work							l	
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone	.]							
	aggregate 40mm								
2	The same of the sa	2	100.00	0.40	0.10	8.00			
		2				8.00			
			100.00		0.10				
		2	1.60		0.15	0.77			
		1	1.20	1.20	0.10	0.14		1	
		1	4.50	0.60	0.10	0.27			
						17.182	Cum	2970.00	51030.54
-	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded								
	· · · · · · · · · · · · · · · · · · ·						4		
<u> </u>	stone aggregate 20mm nominal size)	2*44	0.40	0.40	0.60	21.120			
		2*44	0.40		0.60	8.448			
		2	100.00	-	0.08	3.200			
		2	100.00	0.20	0.08	3.200			
						35.968	Cum	4073.00	146497.65
	Providing and fixing form work including			ľ					
	centring, shuttering, strutting, staging, propping				1				
3	bracing etc. complete and including its removal at			- 1	1				
	all levels, for				1	l			
	10.59 Foundations, footings, bases of columns								
						l			
	plinth beam, curtain wall in any shape and size				1	1			
-	and all type of wall below plinth level.	2*4	1.50		0.40	4.000			
			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			1.0
		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			
			2.50		5.50	17.340	- com	139.00	2410.20
						17.540	sqm	139.00	2410.26
	Columna Dillora Diagrams and Liberary 1				-+				
	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	1		
7	नुरुचि ।			-					And the second second second

		-	-	1					
	Listale captileness & U			-		13.36	0 sqm	297.00	3967.92
	Beams, lintels, cantilevers & walls						-		
	The state of the s	-	2 4.		0.4	3.60	0		-
1	The state of the s		2 4.5		0.3	-			
	7		2 1.8 1 1.8	_	0.3			**************************************	
			1.0	50	0.2				
<u></u>	2.2.D		_	+		7.74	0 sqm	202.00	1563.48
	3.2 Providing and laying nominal mix reinforce	d						-	
4	cement concrete with crushed stone aggregations of the concrete with crushed stone aggregations and concrete with crushed stone aggregations.	te		-					
	using concrete mixer in all works upto plint level excluding cost of form work.	h	1						
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 grade	4	-	-					
	stone aggregate 20mm nominal size).	u							
			2 1.5	0 1.5	0 0 4	1.000			
			2 1.0					-	
			1 1.1						
			2 0.3			_		-	
			1 0.3	0 0.3					
			4.5						
_			1 1.8						
			0.30						
			0.30 L 4.50		-				
			1.80		_				
			1 2.0	7 0.2	0.50	5.460		4163.00	22729.98
						=:/99	33111	7105.00	22/25.50
	3.12 Providing and placing in position	1							
5	reinforcement for R.C.C. work including	3	l					l i	
3	straightening, cutting, bending, binding etc complete as per drawings including cost of		1						
	binding wire in foundation and plinth all	T .	1						
	Thermo-Mechanically treated bars FE 415		<del> </del>	-	-				
		1		<del> </del>	-	546.00	Kg	54.50	20757.00
					<b>—</b>	3 10.00	7.8	54.50	29757.00
	Brick work with modular fly-ash lime bricks								
	(FaLG Bricks) confirming to IS:12894-2002 of								
	class designation 4.0 in foundation and plinth in:								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)		100.00	0.00	2 2 2 2				
6		2	100.00		-				
ł		2	100.00		0.300				
		. –	TOULIN			10.000			
Ì		2	100.00				ı		
		2			0.300	12.000			
			100.00	0.20	0.300	12.000 1.080	Cum	3263.00	199304 14
	Providing and making 12mm thick cement plaster		100.00	0.20	0.300	12.000 1.080	Cum	3263.00	199304.04
	of mix:		100.00	0.20	0.300	12.000 1.080	Cum	3263.00	199304.04
		1	100.00 4.50	0.20	0.300	12.000 1.080 61.08	Cum	3263.00	199304.14
	of mix:	2	100.00 4.50 100.00	0.20	0.300 1.200 1.000	12.000 1.080 61.08	Cum	3263.00	199304.
	of mix:	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00	Cum	3263.00	199304.04
	of mix:	2	100.00 4.50 100.00	0.20	0.300 1.200 1.000	12.000 1.080 61.08 200.00 200.00 12.60			
	of mix:	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00	Cum	91.50	199304.0∠ 37752.9)
	of mix:	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60			
7	of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60			
7	of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)  Structural steel work in single section including	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60			
7	of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)  Structural steel work in single section including cutting, hoisting, fixing in position and applying a	2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60			
7	of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)  Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	2 2 2 2	100.00 4.50 100.00 100.00	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60 412.60			
7	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	2 2	100.00 4.50 100.00 100.00 4.50	0.20	1.000 1.000	12.000 1.080 61.08 200.00 200.00 12.60			37752.9)

Pasitita manatana

	Mark.	i		-	(-		-,	
	1 (0+5 Angle Weight 60*60*6 (5.40				352.00			
	For 60*60*5 Angle Weight 60*60*6 (5.40				1900.80		<del>                                     </del>	<del> </del>
					1900.80	kg	61.50	116899,20
The state of the s	- 1 C : 1/C :::						12.00	110033,20
1	viding and fixing M.S. grill of approved	1					<del>                                     </del>	
	par in made of M.S. flats or square or round bars					İ		
	welded to steel frame of windows etc. including				-	1		
9	applying a priming coat welded to frame with all		ł				-	
1 1	necessary fitting complete including applying a							
	priming of red oxide zinc chromate primer.		1		1			
	Diagonal Braces	1*2*44	3.20		281.60			
		2*2*44	2.70		475.20	+		-
		1*2*44	3.20		281.60		<del> </del>	
		//	3.20		1513.60		<del>                                     </del>	<del> </del>
	Flat Patti 50*50*5 (1.97 kg/Meter)		<del>  </del>		2981.79			
	For Gate		<del>                                     </del>				<del> </del>	-
	1 of Gate				448.00		67.50	204510.00
					3429.79	) kg	67.50	231510.96
	District					-	ļ	
10	Painting on new work (two or more coats) to give						1	]
	an even shade with:						ļ	
	Premium synthetic enamel paint	176	0.30	1.5		ļ		
		2*2*176	<del></del>	0.1	_			
		1*2*176	3.20	0.1				
	For Gate	2	4.00	1.8	14.40			
		2	1.20	1.5	3.60			
					551.28	Sqm	47.00	25910.16
	Providing and fixing in position chain linked							
	steel wire fabric made of 4 mm dia G.I. wire of		Ì	ľ	1.		}	-
11	required width in mesh to concrete/ wooden/	1						1
11	angle iron posts including securing and screwing							1
	with 2mm dia G.I. wire, G.I. staples, G.I.U-nails				Ì			
	or steel pins etc. complete							
	Aperture 75x75mm							
		2	100.00	1.5	0 300.00			
		2	100.00	1.5	0 300.00			
					600.00	Sqm	291.00	174600.00
	Wall painting with acrylic premium emulsion							
12	(plastic) paint of required shade to give an even							
	shade.sqm 44.50					1		
-	On new work (two or more coats)							
	OTHER HOLE (THE OTHER DESCRIPTION OF THE OTHER				412.60	Sqm	44.50	18360.70
		-						
	Lettering with black Japan paint, per cm height.							
	Dottorning with older supair paint, per sure supair				1800.00	Per lette	0.70	1260.00
			L		1 1000.00	ci iettei	Total	
								1077500.00
,							17 170	

Astt Engineer 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]

A.	per Sor :- Schedule of Rates Public Works					01-01-20			
Sn		N	↓ <u>L</u>	B	H/D	Qty	Uni	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.								
-	increding dressing and revening of bits.	1	31.50	15.60	0.30	147.42	1	1	
		1	1.50	1.50		2.70	<u> </u>		
		1			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			
				T	otal	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				,				
а	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			
				To	otal	18.84	Sqm	139.00	2618.76
А	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					Ŷ			
	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								1
	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.								1030.00
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm Nominal size)						7,1		. 7

	ITEM DESCRIPTION	7							
I		N	<del>-</del>	В	H/D	Qty	Unit	Rate	A
4	+	1	1.50	1.20	0.15	0.27		rate	Amount
						0.27	Cum	4163.00	1124.24
	205.4						Cum	4105.00	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							1	
1	sand) and finishing with cement plaster in								
	Cement Mortar 1:3 (1 Cement: 3 coarse sand)		1						
	but excluding reinforcement								
-	75 D. L				<del> </del>	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			
			ļ			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	12.		
						7.04	Şgm	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:		150.12			150.15			
	Earth	I	130.12	Ac 222	SOP Tot	150.12		111.00	16663.32
-				we hat	30K 10t	al Estima			
						5	ay Amo	unt Rs.	605000.00

Asst. Engineer
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]

-	ITEM DESCRIPTION	Jepar	tment [		BUILDIN	G 01-01-2	2015]		
Sno	Surface dressing of the ground including	N	L	В	H/D	Qty	Unit	Rate	Amount
re-	I a series of the series of th								
	removing vegetation and making up				1	1			
1	undulations and in-equalities not exceeding 15		1	1	1			1	
	ems in depth/ height including disposal of				1				
	rubbish upto 1.5 m lift and lead upto 50m (at		1		į.	1			
	least 5m away from the dressed area).					İ	j	İ	
	for Gothan Shed	1	15.00	6.00		90.00	+	<del> </del>	<del> </del>
			1		Total	90.00	sqm	7.20	648.00
	Excavation for all types and sizes of		1	<b></b>			1 34	7.20	048.00
	foundations, trenches and drains or for any			1					1
	other purpose including disposal of excavated				1			1	
2	stuff upto 1.5 m lift and lead upto 50m (at least		i				1		
	5m away from the excavated area), including		Ì	1		ł	1	1	
	dressing and leveling of pits.			Ì		Ì	1	]	
-	Shed Footing	12	1.20	1.20	1.20	20.736	<del> </del>	<del>                                     </del>	
	2.00	1	42	0.4	0.4	6.72	<del> </del>		
			<del> </del>		TOTAL	27.46	cum	185.00	5079.36
	Providing and filling in plinth with sand/				101112		Cum	105.00	
1.0	Crusher dust and hard moorum under floor in		Ì			,	)		
3	layers not exceeding 20cm in depth		i						
'	consolidating each deposited layer by								
ı	ramming and watering, including dressing								
	Shed Footing	12	1.20	1.20	0.10	1.728	-		
	Shed Foothing	1	42	0.4	0.1	1.68			
-					TOTAL	3.41	Cum	371.00	1264.368
<b>-</b>	Providing and laying nominal mix cement								
	concrete with crushed stone aggregate using								
4	concrete mixer in foundation, plinth and at								
1	ground level excluding cost of form work.				1		1 1	1	
$\vdash$	1:3:6 (1 cement : 3 coarse sand : 6 graded stone								
а	aggregate 40mm nominal size).				İ				
		12	1 20	1 20	0.10	1 720			
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68	<b></b>		
		_1	15.5	6.5	0.1	10.075		2070 25	
					TOTAL	13.48	cum	2970.00	40044.51
	Providing and laying nominal mix		1					l	1
	reinforcement cement concrete with crushed								
5	stone aggregate using concrete mixer in all		ł		· ·	-		ĺ	=
	works upto floor five level excluding cost of								
	reinforcement and form work.								
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded						- 1		1
а	stone aggregate 20mm nominal size).								
	Shed Footing	12		1.10	0.25	3.63			pr 1 - 2
		12	0.40	0.40	1.00	1.92			

	A	ITEM DESCRIPTION	N	1		_				
	F	£	12	L	В	H/D	Qty	Unit	Rate	Amount
		31	1	0.3	0.3	0.9	0.97			Amount
	Γ		1	45	0.2	0.3	2.70			
	_		+-	43	0.2	0.1	0.90			
		3.12 Providing and placing in position	-	+	-	TOTAL	10.12	cum	4163.00	42137.886
		reinforcement for R.C.C. work including								:
	6	straightening, cutting bending hinding etc.	1					1		
- 1		complete as per drawings including cost of					1			
L		binding wire in foundation and plinth all								
Ĺ	2	3.12.2 Thermo-Mechanically treated bars FE	1	10.12	601	g/cum	507.00			-
		9.2 Structural steel work riveted or bolted or	1	10.12	1 001	T T	607.32	Kg	54.50	33098.94
	- 1	welded in built-up sections, trusses and frames	1		1					
	٦	work upto a height of 5m above plinth level	1		1			1	1 1	
	.	including cutting, hoisting, fixing in position		1			1	.		
		and applying a priming coat of red oxide zinc		İ		1				
		chromate primer			1					
	a	Use ISMB150X75X5mm @ 15kg/m For	12	5.00	15.00		900			
L	<u> </u>	Column					300	1 1		
1	Ы	Use ISA65X65X5mm @ 7.7kg/m For truss	12	7.00	7.70		646.8			-
L		(3X4)								
		Use ISA50X50X5mm @ 3.8kg/m For truss	12	5.50	3.80		250.8			
L	$\Box$	(3X4)nos						1 1	1	
1,	7 1	Use ISA35X35X5mm @ 2.6kg/m For truss	12	4.50	2.60		140.4			
L	$\rightarrow$	(3x4)nos								
١,	2 1	Use ISA30X30X5mm @ 2.2kg/m For purline	12	17.00	2.20		448.8			
L	4	(3X6)								
L	_					TOTAL	2386.8	Kg	66	157528.8
		9.3 Steel work in tubular (round, square or				1			1	
		rectangular hollow tubes etc.) structure in built-				1				
		up sections, trusses and frame work including				İ				
		cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of							I	
8		columns trusses, roof and bottom purlins, base				j.				
-	11	plate, holding down bolts, wind ties bracing (if				-				
		required), bolts, nuts and washers for fastening		i					1	
		etc. complete with applying a priming coat of		1	1					
		red oxide zinc								
-	+	9.3.1 Electric resistance or induction butt			_				<del></del>	
a		welded tubes Grade-250								
-		Use Base Plate 5mm Thick @19.5kg/ Sqm	48	0.3	0.3	19.5	84.24			
b		(3X16)								
<u></u>	-	Gate	1	350			350			
	F					Total	434.24	kg	88.5	38430.24
Г	15	9.43 Providing and fixing in position chain								
		inked steel wire fabric made of 4 mm dia G.I.								Ī
9	1	vire of required width in mesh to concrete/		- 1			l			
		wooden/ angle iron posts including securing					1	1		
	_	and screwing with 2mm dia G.I. wire, G.I.								
	2	2.43.1 Aperture 50x50mm	1	600		1.5	1080	sqm	331	357480

	ITEM DESCRIPTION	N	L	В	Turn	10.			
Ê	L. work with modular fly- ash lime bricks	<del>                                     </del>	-	- B	H/D	Qty	Unit	Rate	Amount
	ol(Falls Bricks) confirming IS 12894-2002 of	j					•		
	class designation 4.0 in faundation and plinth in				ĺ		r e	1	
-	Brick work below Chein linking fencing			<del></del>				-	
-	Cement Mortar 1:5 (1 cement :5 coarse sand)	1	15						
H	( course said)	-	46	0.3	0.4	5.52			
1		1	46	0.2	0.9	8.28			
1	Extra for brick work in superstructure:	ļ			TOTAL	13.8	sqm	3350	18492
19					Total	8.28	Cum	121	1001.88
	2.1 Providing and fixing form work							121	1001.88
111	including centring, shuttering, strutting,						1		
	staging, propping bracing etc. complete and						ļ		
L	including its removal at all levels, for:				ł		1	1	1
	2.1.1 Foundations, footings, bases of columns			<b>-</b>			+		
a	plinth beam, curtain wall in any shape and size			1					
	and all type of wall below plinth level		İ	Ì	İ		1	i	
	Colum Below Plinth Beam (4x.2)m	12x4	0.9	-	0.25	10.80	-		
1		12	1.2	-	1.2		<del> </del>		
		2	46	+	0.3	17.28	-		
			40			27.60		100.00	
	Columns, Pillars, Piers and likes- rectangular or				Total	55.68	Sqm	139.00	7739.52
b	square in shape			ĺ					
-	-q	12x4	0.3	-	12		-		
$\vdash$		1284	0.3	-	1.2	17.28			
	10.12 Supply and fixing of polymer precoated				Total	17.28	Sqm	139.00	2401.92
	galvalume profile sheets (PPGL) of approved						1 1		
İ	size, shape and pitch of corrugation, total								
	coated thickness (TCT) 0.60 mm +/- 5%, epoxy								
	primer on both side of the sheet and colour						1 1		
1	polyester top coat 18-20 microns and 6-7	ı					1		
1	microns on bottom. Sheet should have			ļ .					
	protective guard film of 25 microns minimum								
	to avoid scratches while transportation and								
	should be supplied in single length upto 12	- 1			1		1 1		
12	metre or as desired by Engineer-in-charge. The	1	17	_					1
12	sheet shall be fixed using self drilling /self	1	17	7	l.	119	Sqm	693	82467
	tapping screws of size (5.5x 55mm) with							1	
	EPDM seal or with polymer coated J or L								
	hooks, bolts and nuts 8mm diameter with			1	1			1	
	bitumen and G.I. limpet washers or with G.I.	- 1			1				
-	limpet washers filled with white lead complete								
	upto any pitch in horizontal/ vertical or curved	1			1				
	surfaces excluding the cost of purlins, rafters				1			l	
	and trusses and including cutting to size and		- 1		1			1	
	shape wherever required.	- 1		- 1	1			1	
<u> </u>									
	10.5.3 0.63 mm thick sheet with zinc coating	3	17		T	F1			
	not less than 275gm/sqm					51	metre	445	22695
13	10.10 Extra for providing and fixing wind ties	8	17			120			
<u> </u>	of 40x6mm flat iron section					136	metre	118	16048

	ITEM DESCRIPTION	N	L	В	lup	Tai			
	Providing and making 15mm thick cement	<del>                                     </del>	+	- B	H/D	Qty	Unit	Rate	Amount
	n the rough side of		1						
	plase in the rough side of single or half brick wall of mix:	ĺ	1	-			1		1
-	In Cement Mortar 1:5 (1 cement : 5 fine sand)	<del> </del>	<del> </del>	-	+				
-		1	16						
+			46	<del></del>	1.2	55.2			
+		1	46		0.2	9.2			
-	Compet congrete flooring (id)	ļ			Total	64.4	Sqm	113	7277.2
	Cement concrete flooring with cement concrete								72772
15	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat						1		
	of neat cement.						1		}
-									
-	75 mm thick	1	15.5	6.5		100.75	Sqm	345	34758.75
16	14.22 Painting on new work (two or more						1 31	-	37730.73
L	coats) to give an even shade with:					1			
	14.22.1 Satin synthetic enamel paint	1	46	0.5	2.1	40.2	<del> </del>	-	
				0.5	Total	48.3	-		
	11.2 Providing and making 12mm thick cement		<del> </del>		Total	48.3	sqm	55	2656.5
17	plaster of mix:						1		
	In Cement Mortar 1:5 (1 cement : 5 fine sand	1	16						
	, and stand	1	46		0,9	4 <u>1</u> ,4			
$\vdash$	Steel work welded in built up sections/ framed		ļ		Total	41.4	sqm	96.5	3995.1
	work including cutting, hoisting, fixing in								
18	position and applying a priming coat of red								
	oxide zinc chromate primer.								
$\vdash$	In gratings, frames, guard bar, ladder, railings,								
	brackets, gates and similar works.	1	2.1	_					
$\vdash$			3.1	3	30	279			
-	Use ISA50X50X5mm @ 3.8kg/m For post	10	10		3.8	380			
_					Total	659		68.00	44912
	9.43 Providing and fixing in position chain							00.00	44812
	linked steel wire fabric made of 4 mm dia G.I.						*		
19	wire of required width in mesh to concrete/								
13	wooden/ angle iron posts including securing								
	and screwing with 2mm dia G.I. wire, G.I.	1	1						
	staples, G.I.U-nails or steel pins etc., complete.						1	1	
	9.43.1 Aperture 50x50mm	1	46		1.8	82.8			
		2	6.3						
-		-	0.5		1.8	11.34			
$\dashv$	14.12 Densition 1				Total	94.14	sqm	331	31160.34
	14.13 Providing and applying 2mm thick ready								
	mix exterior grade approved								
20	make putty (like Birla wall care, Alltek						İ	. [	
	Superfine W/R of (NCL), Asian, ICI,							1	
	Nerolac, J.K. wall putty) on walls to make the		- 1						
	surface smooth and even.			1				1	
_		2	46		1.2	110.4			
		1	46		0.2				
			-			9.2			
					Total	119.60	Sqm	94.50	11302.2

	ITEM DESCRIPTION	T							
it		N	L	В	H/D	Qty	Unit	Det	
	Painting exterior surface with ACRYLIC					1	UIIIL	Rate	Amount
	SMO H exterior paint of required shade as	ŀ	Ĭ		1		ł		
12	per manufacturer's specifications to give	1					1	1	
-	protective and decorative finish including	ŀ	HE ST				-	1	
	cleaning washing of surface etc. complete with:	1	Ĭ						
				1					
Γ	14.15.1 On new work (Two or more coats	<del> </del>							
1 2	applied @ 1.43 ltr/ 10 sqm over and including	1	1		1				
	priming coat of exterior primer applied @ 2.20	1							
-	2.20				1		1		
-		2	46		1.2	110.4			
L		1	46		0.2		<b></b>		
L		<b> </b>	<del>                                     </del>			9.2			
					Total	119.60	Sqm	56.00	6697.6
Γ		-	L		Total	Estimate a	mount		969217.11
								Say As	970000.00

Add what rows composition 6,050000

Add what rows composition 6,0500000

Engineer Executive Engineer

**Sub Engineer Municipal Corporation** Korba (C.G.)

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

Municipal Corporation Korba (C.G.)

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

Name of Work :- Construction of Windrow Compositing Bed at Pump House Ward no. 14

A	per Sor :- Schedule of Rates Public Works	Dong	rtmont	rung B	ea a	it Pun	np Hous	se Wa	rd no. 1	4
Sn		ת ו	i dinent	LIPVVD	BUIL		01-01-20	)15 <u>J</u>		
congression	Excavation for all types and sizes of	Chief Property	-	В		H/D	Qty	Un	It Rate	Amount
	foundations, trenches and drains or for any	,								
1.	lather nurnova including dispersion		1	1			1			
1	stuff upto 1.5 m lift and lead upto 50m (at leas								1	
	5m away from the excavated area), including		1							-
	dressing and leveling of pits.	3.					1	1		
	A. D. M. A. Y.	1	31.5	0 15.6		0.20	4.451.46			
		$-\frac{1}{1}$	1.50		-	0.30	147.42	-		
		<del> </del>	1.50	1.50		1.20	2.70	_		
Application (Section Co.)	Providing and laying nominal mix	-			Tota	1	150.12	Cur	n 185.00	27772.20
	reinforcement comerete with crushed							l	-	1
2	stone aggregate using concrete mixer in all		į	Î	- 1			1		i
1	works upto floor five level excluding cost of	.								
	reinforcement and form work,	1		1						
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded		-	-	- -			-	<del></del>	
	, and a gladed		21.50	45.66	<u></u> _	2.10			-	
		1	31.50			0.10	49.14		-	
-		1	1.50	1.50		0.10	0.23			
-	Providing and fixing formwork including	╁		-	Total		49.37	Cum	2970.00	146614.05
_	centering, shuttering, strutting, staging,	[		1						
3	propping bracing etc. complete and including	1	1					1		
	lits removal at all levels for	i	i		1				1	!
	Foundations, footings, base of columns and				$\top$			-	-	-
a	plinth beam in any shape and size.		ŀ					1		
		2	31.50		0	.20	12.60	<del>                                     </del>	-	-
		2	15.60			.20	6.24	<del> </del>		-
				T	otal	-	18.84	Com	120.00	2212.5
	3.1 Providing and laying nominal mix plain			<u> </u>	T		10.04	Sqm	139.00	2618.76
١.	cement concrete with crushed stone aggregate			l						
,	using concrete mixer in all works upto plinth				1					
	level excluding cost of form work									
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded		24.55		1					
	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					_				4
	reinforcement for R.C.C. work including				l	1			l	
5	straightening, cutting, bending, binding etc.	ı								
	complete as per drawings including cost of	- 1					1			1
	binding wire in foundation and plinth all	- 1					1	1		1
	complete;				1		1			1
	Thermo-Mechanically treated bars FE 415					_		-		
						_	20.00	VC		
	3.2 Providing and laying nominal mix	-				_	20.00	KG	54.50	1090.00
6	reinforced cement concrete with crushed stone						- 1			in the second
0	aggregate using concrete mixer in all works								-	Gelet Thomas
	upto plinth level excluding cost of form work.								l	

	ITEM DESCRIPTION						•			
	13.2.1 1:11/2:3 (1 cement : 11/2 coarse sand : 3	,	N L	_ E	3	H/D	Qty	Ur	it Rat	te Amount
	d stone aggregate 20mm Nominal size).	'	1		- 1					7
11	d stone 288 Sate 2011M1 (4011M1 S12E).	+-			_					1
11		+-	1 1.50	1.2	20	0.15	0.27			
1  -	3.9 Extra for precast PCC/ RCC work of any	+					0.27	Cui	m 4163.	00 1124.01
	mix including form work, hoisting and fixing	1	1	1	- 1					
-	in Cement Mortar. 1:2 (1 Cement : 2 coarse			1	- 1		1	- 1		
7	sand) and finishing with cement plaster in		1				1	- 1		
-	Cement Mortar 1:3 (1 Cement : 3 coarse sand)		1	1	- 1			- 1		1
	but excluding reinforcement			1			1	- 1		1
-	3	↓								
-	7.5 Priok work with 1.1 7	_					0.27	Cun	469.00	126.63
8	7.5 Brick work with modular fly-ash lime	1					1	1		
	bricks (FaLG Bricks) confirming to IS:12894- 2002 of class designation 4.0 in foundation	1		1				1	1	
		-	-	<del> </del>				-	<del> </del>	
<u> </u>	Cement Mortar 1:6 (1 cement : 6 coarse sand)	<u> </u>	ļ	<b> </b>						
l		2	1.50	0.20	:	1.20	0.72			
, —		2	1.10	0.20	1	1.20	0.53			
			ļ				1.25	Cum	3263.00	4072.22
9	11.2 Providing and making 12mm thick			۱.	1					
	cement plaster of mix:									
-	In Cement Mortar 1:6 (1 cement : 6 fine sand)				4					
		1	4.40		1	.60	7.04			
					—		7.04	Sqm	91.50	644.16
10	Neat Cement punning.									1
		1	200.00		0.	.60	120.00			
				_			120.00	Sqm	33.00	3960.00
11	1.26 Carriage by mechanical transport upto 5							- 47.77	30.00	3300.00
	km lead:	$\dashv$								
	Earth		150.12				150.12	cum	111.00	16663.32
				As per	SOR	R Total	Estimat	e Amo	unt Rs.	604979.79
							Sa	y Amo	unt Rs.	605000.00

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





### **DETAILED ESTIMATE**

Name of Voork :- 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	В	H/Đ	Qty	Unit	Rate	Amount
	1.2 Surface dressing of the ground including			_	12	4.9	1 0	Trace	Amount
- 1	removing vegetation and making up undulations								
	and in-equalities not exceeding 15 cms in depth/	1	1		1				
1	height including disposal of rubbish upto 1.5 m		ļ						1
	lift and lead upto 50m (at least 5m away from		ļ						
1	the dressed area).								,
	for Gothan Shed	1	15.00	6.00	-	90.00	-		
			15.00	10.00	Total	90.00	sqm	7.20	648.00
	Excavation for all types and sizes of		<b></b>	<del> </del>	1.5				
	foundations, trenches and drains or for any other			1.			ļ	1	
j	purpose including disposal of excavated stuff		i					İ	
7	upto 1.5 m lift and lead upto 50m (at least 5m	ĺ	ļ						l
	away from the excavated area), including								
	dressing and leveling of pits.		l						3
	Shed Footing	12	1.20	1.20	1.20	20.736			
		1	42	0.4	0.4	6.72			
					TOTAL	27.45	cum	185.00	5079.36
	Providing and filling in plinth with sand/								
	Crusher dust and hard moorum under floor in								
3	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
	Providing and laying nominal mix cement			,					
4	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								
Ľ	aggregate 40mm nominal size).								
	Shed Footing	12	1.20	1.20	0.10	1.728			
		1	42	0.4	0.1	1.68			
L		1	15.5	6.5	0.1	10.075			
					TOTAL	13.48	cum	2970.00	40044.51
	Providing and laying nominal mix reinforcement								
	cement concrete with crushed stone aggregate	- 1			-				
5	using concrete mixer in all works upto floor five	I					İ		
	level excluding cost of reinforcement and form			F		L		l	- ' -
_	work.								ì
	1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded		1	I		-			
1 3									
L	stone aggregate 20mm nominal size). Shed Footing						- 1		

1	ITEM DESCRIPTION	N	L	В	H/D	los.	1	1- :	
D)		12				Qty	Unit	Rate	Amount
1		12	-	_					
-		1	45	0.2		0.97			
1		1	45	0.2		2.70 0.90		· <del> </del>	
		<u> </u>	- 13	0.2	TOTAL			1162.00	42137.886
H	3.12 Providing and placing in position	+	-	-	TOTAL	10.12	cum	4163.00	42137.886
	reinforcement for R.C.C. work including			1	1	1	Ì		9
6	straightening, cutting, bending, binding etc.			İ	1	1			
	complete as per drawings including cost of	1	1		~				
	binding wire in foundation and plinth all								
R	Thermo-Mechanically treated bars FE 500D	1	10.12	60	kg/cum	607.32	Kg	54.50	33098.94
	9.2 Structural steel work riveted or bolted or				T				
	welded in built-up sections, trusses and frames								
7	work upto a height of 5m above plinth level,				10				
ľ	including cutting, hoisting, fixing in position	1							
	and applying a priming coat of red oxide zinc chromate primer	1							
$\sqrt{-\frac{1}{2}}$		12	5.00	15.00		900	+		
a	Use ISMB150X75X5mm @ 15kg/m For Column	12	3.00	15.00		300			
-	Use ISA65X65X5mm @ 7.7kg/m For truss	12	7.00	7.70		646.8	1		
b	(3X4)		1.00						
	Use ISA50X50X5mm @ 3.8kg/m For truss	12	5.50	3.80		250.8			
c	(3X4)nos								
d	Use ISA35X35X5mm @ 2.6kg/m For truss	12	4.50	2.60		140.4			
L	(3x4)nos	12	17.00	2.20		440.0	1 1		
e	Use ISA30X30X5mm @ 2.2kg/m For purline	12	17.00	2.20		448.8	1 1		
$\vdash$	(3X6)				TOTAL	2386.8	Kg	66	157528.8
-	9.3 Steel work in tubular (round, square or						1.0	-	
	rectangular hollow tubes etc.) structure in built-				1				
	up sections, trusses and frame work including								
	cutting, hoisting, fixing in position upto a height				}				
	of 5m above plinth level, consisting of columns				į				1
	trusses, roof and bottom purlins, base plate,	1							
	holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening	1		}					
	etc. complete with applying a priming coat of								
	red oxide zinc			1					
$\vdash$	9.3.1 Electric resistance or induction butt								
а	welded tubes Grade-250								
ь	Use Base Plate 5mm Thick @19.5kg/ Sqm	48	0.3	0.3	19.5	84.24			
	(3X16)								
	Gate	1	350			350			
					Total	434.24	kg 2	38.5	8430.24



1	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
9	Providing and fixing in position chain linked cel 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) confirming IS 12894-2002 of class designation 4.0 in faundation and plinth in Brick work below Chein linking fencing								
_		1	46	0.3	0.4	5.52	+		
	Cement Mortar 1.5 (1 cement :5 coarse sand)	1	46	0.3	0.9	8.28	<del> </del>		
		1	40	0.2	TOTAL	13.8	sgm	3350	18492
9	Extra for brick work in superstructure:				Total	8.28	Cum	121	1001.88
12	removal at all levels, for:								
ā	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								
H	Colum Below Plinth Beam (4x.2)m	12x4	0.9		0.25	10.80			
T		12	1.2		1.2	17.28			
		2	46		0.3 Total	27.60 55.68	Sam	139.00	7739.52
E	Columns, Pillars, Piers and likes- rectangular or square in shape				iOlai	35.00	Sqm	139.00	1155.32
H		12x4	0.3		1.2	17.28			
$\vdash$					Total	17.28	Sqm	139.00	2401.92



L	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
	Supply and fixing of polymer precoated	<u> </u>	-	+	1110	- wiy	- Oill	Rate	Amount
	alvar profile sheets (PPGL) of approved			1	1	1	ļ		
10	ze, shape and pitch of corrugation, total coated	l			1	1			=
	tickness (TCT) 0.60 mm +/- 5%, epoxy primer								
	4 7 4			1			l		7.5
	n both side of the sheet and colour polyester								
	op coat 18-20 microns and 6-7 microns on			1		1			
	ottom. Sheet should have protective guard film				1		1	1	
1 1	f 25 microns minimum to avoid scratches while						1		
	ransportation and should be supplied in single								
	ength upto 12 metre or as desired by Engineer-		477	7		119	Sqm	693	82467
	n-charge. The sheet shall be fixed using self	1	17	′		113	Jan		
	Irilling /self tapping screws of size (5.5x 55mm)			Ì				}	1
	with			1	1		1		
	EPDM seal or with polymer coated J or L hooks,						1		
1 1	bolts and nuts 8mm diameter with bitumen and						1		1
1 1	G.I. limpet washers or with G.I. limpet washers								
1	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 10.5.3 0.63 mm thick sheet with zinc coating not		47			51	metre	445	22695
		3	17			74			
	less than 275gm/sqm 10.10 Extra for providing and fixing wind ties of	_	47			136	metre	118	16048
13	40x6mm flat iron section	8	17						
-	11.3 Providing and making 15mm thick cement						1		
١.,	plaster on the rough side of								
14	single or half brick wall of mix:								
-	11.3.3 In Cement Mortar 1:5 (I cement: 5 fine						1 1	1	
	sand)								
$\vdash$	Sand)	1	46		1.2	55.2			
-		1	46		0.2	9.2			7277.2
-					Total	64.4	Sqm	113	7277.2
-	12.3 Cement concrete flooring with cement				1			1	
	1.2.4 (1 cement · 2 coarse sallu · 4								
15	graded stone aggregate 20mm) finished with a				[			į.	1
į	floating coat of neat cement.		15.5	6.5		100.75	Sqm	345	34758.75
-	75 mm thick	1	15.5	0.5		100.75			
-	14.22 Painting on new work (two or more coats)							1	
16	to give an even shade with:				2.1	48.3			
	14.22.1 Satin synthetic enamel paint	1	46	0.5		48.3	sam	55	2656.5
-					Total	40.0	sqm		
H	, 11.2 Providing and making 12mm thick cement								. "
17	later of mix:								
	11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine	1	46		0.9	41.4			
	sand	1	-10		Total	41.4	sqm	96.5	3995.1
					-, -, -, -				
	Steel work welded in built up sections/ framed			1	1				
18	work including cutting, hoisting, fixing in				- 1	7			
1	position and applying a priming coat of red oxide zinc chromate primer.								
E e	Oxide zinc citromate printer.								

Fno	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
1	ratings, frames, guard bar, ladder, railings,				1	140	Oille	Nate	Amount
	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
	9.43 Providing and fixing in position chain			1	- rotar	033			44612
	linked steel wire fabric made of 4 mm dia G.I.								
	wire of required width in mesh to concrete/					1	1	1	1
19	wooden/ angle iron posts including securing and				l				1
	screwing with 2mm dia G.I. wire, G.I. staples,				1	l			
	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						1 1		
ı	make putty (like Birla wall care, Alltek								
ı	Superfine W/R of (NCL), Asian, ICI,			1			1		
	Nerolac, J.K. wall putty) on walls to make the				İ				
-	surface smooth and even.		- 46		10	440.4			
-	<del> </del>	2	46 46		0.2	9.2			<b></b>
-		1	46		Total	119.60	Sam	94.50	11202.2
$\vdash$	14.15 Painting exterior surface with ACRYLIC	-			IUtai	119.60	Sqm	94.50	11302.2
	SMOOTH exterior paint of required shade as	- 1		1					
1	per manufacturer's specifications to give		Ì	İ	i				
21	protective and decorative finish including								
	cleaning washing of surface etc. complete with:				1				
								i	-
	14.15.1 On new work (Two or more coats		T						
а	1 , , , , , , , , , , , , , , , , , , ,	1	1	1					
L	priming coat of exterior primer applied @ 2.20								
F		2	46		1.2	110.4			
-	<u> </u>	1	46		0.2	9.2			
-					Total	119.60		56.00	6697.6
-					Total E		969217.11		
_	1							Say As	970000.00

Add windraw compostney bed

Asst. Engineer Municipal Corporation

Korba (C.G.)

+ 6.02000,00

Executive Engineer
Municipal Corporation

Korba (C.G.)