

कार्यालय, लगर पालिक लिगम, कोरबा (छ.ग.) मुख्य कार्यालय - साकेत भवन, आई.टी.आई. चौक, कोरबा (छ.ग.)

फा.क. / 96,97,98 / निर्माण कोसाबाड़ी जोन / 2022

कोरबा, दिनांक 07.02.2023

निविदा आमंत्रण की सूचना

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्य हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा प्रचलित PWD Building SOR 01.01.2015 एवं विद्युत SOR 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्युल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु मैन्युअल निविदा वेबसाईट से डाउनलोड कर त्रि–लिफाफा पद्धति माध्यम से आमंत्रित की जाती है :--

- 1. निर्धारित प्रारूप में निविदा प्रपन्न प्राप्त होने अंतिम तिथि 28.02.2023 सायंकाल 3:00 बजे तक
- 2. निविदा खुलने की अंतिम तिथि

– 28.02.2023 सायकाल 3:00 बजे तक
 – 28.02.2023 सायंकाल 4:30 बजे तक

क्र	कार्य का नाम	प्राक्कलन राशि में	धरोहर राशि रू में	निविदा प्रपत्र का मूल्य	निविदा प्रपत्र	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की अंतिम तिथि
1	वार्ड क्र. 19 कोसाबाड़ी जोन अंतर्गत सांकेत भवन में शौचालय एवं बाथरूम का मरम्मत कार्य (मरम्मत एवं संघारण मद)	3,75,000/-	4,000/-	750/-	Form-A	03 माह	सक्षम श्रेणी	28.02.2023
2	वार्ड क्र. 20 में सर्वसुविधा युक्त मूत्रालय का निर्माण कार्य (पार्षद मद)	7,00,000/-	5,500/-	750/-	Form-A	03 माह	सक्षम श्रेणी	28.02.2023
3	वार्ड क्र. 21 डॉं. भीमराव अम्बेडकर प्रतिमा स्थल ओपन थियटेर (सार्वजनिक पार्क) घण्टाघर के पास सौदर्यीकरण (विधायक मद)	10,00,000/-	7,500/-	750/-	Form-A	03 माह	सक्षम श्रेणी	28.02.2023

निविदा की शर्तेः--

- 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।
- 2. निविदा के दस्तावेज हाथो–हाथ न लिया जाकर रजिस्टर्ड पोस्ट अथवा स्पीड पोस्ट से प्राप्त किया जावेगा। अन्य माध्यमों यथा कोरियर सर्विस, साधारण डाक इत्यादि से प्राप्त अथवा समयावधि के पश्चात प्राप्त निविदाओं पर विचार नहीं किया जावेगा। निविदा आयुक्त, नगर पालिक निगम, कोरबा आई.टी.आई. कॉलोनी रामपुर, कोसाबाड़ी जिला–कोरबा (छ.ग.) पिन नं.–495677 के पते पर भेजना होगा। निर्धारित तिथि को सायं 3:00 के पश्चात् प्राप्त निविदाएँ स्वीकार नहीं किए जावेंगे।
- 3 निविदा प्रपत्र नगर पालिक निगम, कोरवा के वेबसाईट www.korbamunicipal.in/uad.cg.gov.in डाउनलोड किया जाकर नवीन निविदा प्रपत्र Form - A/B/ABC (जारी दिनॉक तक समस्त संशोधनों के साथ) निर्धारित शुल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।
- 4 निविदा प्रपन्न त्रि-लिफाफा पद्धति से मान्य किया जावेगा जो निम्नानुसार होगाः-
 - (अ) प्रथम लिफाफा में ठेकेदार का जीवित पंजीयन प्रमाण पत्र, आयकर चुकता प्रमाण पत्र, निविदा सूचना आमंत्रण में उल्लेखित अन्य दस्तावेज के साथ निर्धारित प्रपत्र शुल्क का डीडी एवं अमानत राशि का टी.डी.आर. / एफ.डी.आर. नगद निगम कोष में जमा कर जो कि आयुक्त, नगर पालिक निगम कोरवा के नाम पर देय होगा प्रस्तुत करना होगा।
 - (ब) दितीय लिफाफा में ठेकेदार द्वारा भरा हुआ निविदा प्रपन्न होगा।
 - (स) ् तृतीय लिफाफा में उपरोक्त दोनो लिफाफाएँ होगी तथा आवश्यकता पड़ने पर मूल अभिलेख प्रस्तुत करना होगा।
- 5. 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।

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- निविदा प्रपन्न प्राप्त करने हेतु इच्छुक ठेकेदारों को आवेदन पत्र के साथ उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकरी पिछले वित्तीय वर्ष का आय चुकता प्रमाण पत्र, पेन नम्बर, जी.एस.टी. पंजीयन एवं प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि संगठन, कर्मचारी, राज्य बीमा निगम रायपुर से पंजीयन एवं विस्तृत निविदा आमंत्रण सूचना (एनआईटी) हस्ताक्षरयुक्त एवं निर्धारित प्रारूप में निविदा आमंत्रण सूचना के कंडिका क. 04 के लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
- कार्य हेतु लिफाफे पर कार्य का नाम निविदा आमंत्रण सूचना कमॉक, निविदा खुलने की तिथि स्पष्ट रूप से लिखकर भेजना होगा। 7.
- निविदाकार का यह दायित्व है कि वे निविदा भरने के पूर्व स्थल का स्वयं निरीक्षण कर लेवें ताकि प्रारंभ करने में किसी प्रकार की 8. कठिनाई न हो।
- निर्धारित निविदा प्रपत्र में उल्लेखित कंडिकाऍ स्वमेव लागू मानी जावेगी एवं निविदा आमंत्रण सूचना निविदा का ही भाग माना 9. जावेगा।
- 10. निर्धारित प्रारूप में निविदा प्रपन्न, निविदा प्रपन्न शुल्क, अमानत राशि, निविदा आमंत्रण सूचना पन्न में उल्लेखित दस्तावेज सही पाए जाने पर ही निविदा दर संबंधी लिफाफा खोला जावेगा अन्यथा निविदा निरस्त कर दी जावेगी।
- 11. ठेकेदार को अपनी दरें शब्दों एवं अंको में लिखना अनिवार्य होगा।
- 12. शासन के विभिन्न विभागों जैसे:– खजिन विभाग, श्रम विभाग, समाज कल्याण विभाग इत्यादि विभागों द्वारा समय–समय पर जारी निर्देशों/आदेशों के पालन की समस्त जिम्मेदारी संबंधित ठेकेदार की होगी।
- 13. ठेकेदार यदि कार्य को अपूर्ण स्थिति में छोड़ता है तो निविदा प्रपन्न में उल्लेख अनुसार इस संबंध में प्रावधान के अंतर्गत कार्यवाही की जावेगी।
- 14. कार्य प्रारंभ नहीं करने अथवा अपूर्ण स्थिति में छोड़ने पर निगम द्वारा ठेकेदार के विरूद्ध तत् समय में एम.आई.सी. द्वारा स्वीकृत प्रस्ताव के अधीन कार्यवाही की जावेगी जिसकी संपूर्ण जवावदारी ठेकेदार की होगी।
- 15. सफल निविदा दाता से अनुबंध के समय अतिरिक्त परफार्मेंस राशि जमा कराई जावेगी जबकि निविदा की दरों में काफी कमी हो जैसे निविदादाता को निविदा दर एवं अनुमानित लागत से 10 प्रतिशत से अधिक निविदा दर होने पर सफल निविदादाता को निविदा दर एवं अनुमानित लागत के 90 प्रतिशत अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक का एफ.डी.आर. /टी.डी.आर. ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम कोरबा के नाम से देय होगा, जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि को जमा न करने की दशा में निविदा निरस्त कर दी जावेगी।
- 16. सम्पूर्ण किये गये कार्यों के लिये 5 प्रतिशत सुरक्षा राशि रनिंग देयको के साथ 01 वर्ष साथ ही 5 प्रतिशत पृथक (मरम्मत एवं संघारण मद को छोड़कर) से 03 वर्ष की गारंटी के लिये परफार्मेंस सिक्यूरिटी के रूप में रोकी जावेगी।
- 17. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण 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।
- 18. निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में किये जा रहे कार्यो का विवरण राशि सहित मूल प्रति में वैध शपथपत्र कंडिका क. 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
- 19. ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- 20. निविदा प्रपन्न अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा।
- 21. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त के द्वारा अधीनस्थ अधिकारियों का निर्णय अंतिम एवं सर्वमान्य होगा।
- 22. निविदा स्वीकृत करने अथवा अस्वीकृत करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।

23. निविदा खुलने की तिथि में अवकाश होने पर आगामी तिथि (कार्य दिवस) को निविदा संबंधी कार्यवाही मानी जावेगी। नोटः–

- 1. अमानत राशि के रूप में एफ.डी.आर. / टी.डी.आर. अथवा नगद जमा रसीद पृथक से लिफाफे में स्वीकार किए जावेंगे आयुक्त, नगर पालिक निगम, कोरवा के नाम पर देय हो।
- उपरोक्त तिथियों में किसी भी तिथि को शासकीय/स्थानीय अवकाश होने की स्थिति में अगले कार्य दिवस को निर्धारित तिथि 2. समयएवं स्थान माना जावे।

कार्यपालन अभियंता नगर पालिक निगम कीरबा (छ.ग.)

प्रतिलिपि :– प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, नवा रायपुर (छ.ग.) को Uad.cg.gov.in में

(ठेकेदार के हस्ताक्षर)

नाम	
पूर्ण पता	

मोबाईल	त्तं _	

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

Name o work:- Construction Of

1 E

and a show a show a

As per SOR Schedule of rates public works department[PWD BUILDING-01-01-2015]

5. V.	SOR Ref.	ITEM DESCRIPTION	NO	L	В	D/H	QTY	UNIT	RATE	AMOUNT
1	1:1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of								
the.		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.			2 24 - 2	1.69			·····	
	1	In all types of soil								n din sina manyakatiki fiyo ali ajiyo sariya ya agiyo na ya mayo
t			8	1.20	1.20	1.20	13.82			
F			4	2.60	0.60	0.60	3.74			
F		1 ¹	4	1.60	0.60	0.60	2.30			
h			1	3.50	2.80	1.80	17.64			
F						Total=	37.51	Cum	185.00	6939.72
2		Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels,								
Ī	1	for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		1	L .					
t			32	0.50	0.30		4.80			
Ī			16	0.20	0.6		1.92			
			16	0.30	0.6		2.88			
L			8 8	4.50	0.300		7.44			
\downarrow			- 0	3.10	0.000	Total=	27.84	Sqm	139.00	3869.76
+		Columns, Pillars, Piers and likes- rectangular or square in shape								
F			16	0.20		2.10	6.72			
F			16	0.30		2.10 Total=	10.08 16.80	sqm	297.00	4989.60
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)			0.00	Total-		Sqiii	297.00	4909.00
Г			2	4.60	3.00		27.60			
T		chhajja	2	3.00	0.60		3.60			
T	9		1	3.00	2.40		7.20			
1	1					Total=	38.40	sqm	235.00	9024.00
	. 8	Beams, lintels, cantilevers & walls	8	4.50	0.300		10.80			
	-		8	3.10	0.300	Total=	7.44	0.000	202.00	2004 40
		Wall of any thickness including attached pilasters, buttresses etc. in super					10.24	sqm	202.00	3684.48

14	s tank	4	3.00	1.80		21.60			
ASS .	Litheral	6	2.40	1.80		25.92			
	Likes and filling in all it.				Total=	47.52	sqm	228.00	10834.5
	crus r dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering,		8						
r same	including dressing etc. complete.								
		8	1.20	1.20	0.10	1.15			-
		4	2.60	0.60		0.62			
		4	1.60	0.60		0.38			
	-	2	3.00	2.80		10.08			
		2	3.00	1.50		0.90			
			0.00	1.00	0.10	0.50			
					Total=	13.14	Cum	371.00	4874
31	Providing and laying nominal mix plain				TOtal=	15.14	Cuin	371.00	4074
	cement concrete with crushed stone aggregate using concrete mixer in all								
	works upto plinth level excluding cost of form work.				×				
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
	85	8	1.20	1.20	0.10	1.15			
		4	3.10	0.60		0.74			
		4	2.10	0.60		0.50			
		2	4.10	3.10		2.54	_		
		2	3.50			1.05			
	I I I I I I I I I I I I I I I I I I I	2	3.00			2.10			
		•			Total=	8.09	Cum	2659.00	21516
1.1	7 Filling from available excavated stuff (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited								
	layer by ramming and watering with a								
					Tatala	37.51 37.51	Cum	65.00	2438
					Total=	37.51	Cum	05.00	2400
3.2	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.								
nin I - s	1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								24
		8		and the second se		2.42			
		8				0.60			
		8				0.29			
		4	4.50			2.16		Į	
	1 (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4	0.10		and the second se	0.74	and the second states		
		8				1.01			
-		4			and the second se	1.08			
		1 4	3.10			0.74			
	-					9 46			
		2				3.45			
		2	3.00	0.20	1.80	2.16			

			1	3.00	2.80	0.40			A BOLD OF BUILDING	
	al .		2							
and the second			4							
			2							
	1	(C)		0.10	0.20					
	3.4	Extra or laying PCC/RCC of any grade				Total=	19.36	- dui	4163.00	80612.33
•	19	in superstructure above plinth level for					0.00	Cun	97.50	-
1		every floor or part thereof in addition to								
/		rate for foundation and plinth:								
8	3.12	Providing and placing in position								
Ĭ	(H)	reinforcement for R.C.C. work			· · · ·					
	-	including straightening, cutting,		5						
		bending, binding etc. complete as per			1					
	-	drawings including cost of binding wire								
		in foundation and plinth all complete:		1						
	and the second se	Thermo-Mechanically treated bars FE							_	
+-		member meenancary realed bars FE			10.00					
\vdash				80	19.36		1549.12			
9	7.5	Brick work with modular fly-ash lime				Total=	1549.12	k	54.50	84427.04
		bricks (FaLG Bricks) confirming to								
		IS:12894-2002 of class designation 4.0								
	9	in foundation and plinth in:		shire,	-					
-										
1.00	J	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
				0.40						
\vdash			4							
\vdash			4				1.25			
\vdash			4				0.38			
+			2				0.35			
-	19239 - 1944, 94	La Las de las	4				5.71			
		and the second stranger of the second	4				4.37			
- F	e# 6		4				1.20			
·			4				0.96			
H		1	2			1.5 × 1.5 ×	2.10			
		 Contract of the second sec second second sec	6				0.54			
		*	1	15.00	0.20		6.30			
-						Total=	24.80	Cum	3263.00	80909.35
10	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						3		
		of form work.								
	0	1:11/2:3 (1 cement : 11/2 coarse sand : 3							*	
		graded stone aggregate 20mm nominal size).								
1		nominal size).	2	3.00	1.50	0.10	- 0.00			
H				3.00	1.50	0.10 Total=	· 0.90 0.90	Cum	4073.00	2225 72
11	12.7	Providing and fixing ceramic glazed					0.30	Cum	4073.00	3665.70
		wall tiles conforming to IS : 15622 of								_
		approved make, colours, shades and								
Sec.		size on wall and dados over 12 mm				1.0				g we
		thick bed of cement Mortar 1:3 (1								
1		cement : 3 coarse sand) and jointing	· .							-
6.		with grey cement slurry @ 3.3kg per							6 <u>6</u>	A
		sqm including pointing in white cement							far i e e	
	1 <u>.</u>	mixed with matching pigment				-				
		2 Size above 200x300mm								
	Agent, a		4	3.60	-	1.50	21.60			
			4	2.60		1.50	15.60			

		And a second second		anside						
	1		2	2.20		1.50	E CO.		Main 1983) 1144	
	P.		6	1.20		1.50	6.60	4		
) 91	viding and laying ceramic glazed				Total=	10.80			
	A	tice viles conforming to IS : 15622 of				· otal-	54.60	sqm	587.00	32050.20
		approved size, make, colour, shade			· · ·	-				02030.20
1		aid on 20 mm thick Cement Mortar 1:4								Pr.
12		1 cement : A contract Mortar 1:4						•		
1.0		(1 cement : 4 coarse sand) including					×			
		pointing the joints withwhite cement								
		mixed with matching pigment etc.,			1					
	1	Size 300x300mm	4				_			
			-4	3.80	2.60		39.52			
1	9.15	Providing and fixing M.S. grill of			-	Total=	39.52	sam	600.00	
		approved pattern made of M.S. flats or						sqm	692.00	27347.84
		square or round bars welded to steel								
		frame + of windows								
÷.,		frame + of windows etc. including								
		applying a priming coat welded to								
		frame with all necessary fitting								
		complete including applying a priming								2
		of red oxide zinc chromate primer.								
	100			- 1						
		ventilator	8	12.00						
				12.00			96.00			
						Total=	96.00	Kg	67.50	6480.00
5	11.1	Providing and making 6mm thick								
		cement plaster of mix								
1	2			1						
	4	In Cement mortar 1:4 (1 cement : 4								
		fine sand)								
	•		2	4.0	3.00			* .		
			2		0.60		24.0			
it (j				5.50	0.00		4.2			
16	11.	2 Providing and making 12mm thicl	<u> </u>			Total=	28.20	sqm	87.00	2453.40
		cement plaster of mix	ΎΙ							
H	1									
2.19		4 In Cement Mortar 1:6 (1 cement : 6	5			1514				
12.94		fine sand)	-							
			4	4.00		3.90	62.40			
L			4	3.00		3.90	46.80			
L							-50.00			
						Total=	59.20	sqm	91.50	5416.80
17	11.	3 Providing and making 15mm thic	k		_				01.00	5410.00
		cement plaster on the rough side of								
		single or half brick wall of mix:			-					
		4 In Cement Mortar 1:6 (1 cement :	<u> </u>						++	
		fine sand)								1. J.
$\sim 10^{-1}$		line sand)	_							
•			4	4 3.80		2.40				
а з			-	4 2.60		2.40	24.96			
	-			8 1.20		2.40				
	_			4 2.20		2.40	21.12			
5	•						-49.00			
13	ið in					Total=	56.60	sqn	107.00	6056.20
18	14	.13 Providing and applying 2mm thic	k							
		ready mix exterior grade approved								
121.1		make putty (like Birla wall care, Allte	k							
	1.5	Superfine W/R of (NCL), Asian, ICI,								
	1	Nerolac, J.K. wall putty) on walls	to							
14		make the surface smooth and even.			1				가 것을	
16	1.5.7				1.1					
		•		-	1		144.00		1	
	1.10	-			1.	Total=	144.00		n 94.50	13608.00
12 12 13	L	·		1	1			- Juli	94.00	

Fil		painting with acrylic premium ulsion (plastic) paint of required					84.80	sqn	44.50	3773.60
1	The state	shade to give an even shade.								
		n new work (Two or more coats)		Ne.			ан ад на			and the second s
1	A .1	cem proofing walls with water proofing cem paint of required shade to give an even shade.	24) 8 44	r te (= 1		Total=	59.20	sqn	n 41.00	2427.2
1		On new work (Two or more coats)								
1	8.13	Providing and fixing flush door shutters, conforming to IS 2202 (Part 1), interior grade, commercial type, core of								
		block board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains, cross bands and face veneers on both faces of shutters excluding hinges.				•				
E	2	35 mm. thick (single leaf)+8.15							-	
		м	2	1.00	-	2.10	4.20	sqn	n 1370.00	5754.0
		Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.								
F		8.141.2 150 mm				Total=	12.00	nos	49.50	594.0
Arriver, C. B.	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:		ġ. ¹	all a start a					
ł		8.58.1 125x85x5.50 mm (Heavy Type)		1	1	Total=	12.00	nos	245.00	2940.0
4	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.	- 100 m - 100 m 10			1		-22		
T	1	Single				Total=	6.00	nos	47.00	282.0
and the second se	8.149	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging onboth sides. The styles and rails mitred and								
The second secon		joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wallthickness 1.0 mm and stainless steel screws.								
1	2	8.149.1 24 mm thick door shutters with	4	0.80	2.00		6.40			
Γ								2		

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

Sub Engineer Municipal Corporation Korba (C.G.)

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

Name of work:- Bore well

s per SOR:Schedule of rates public works department[PWD BUILDING-01-01-2015]

	SOR		Construction of the owner	and the street operation of the	and the surger party of	0-01-01-2	[016]			
N.	Ref.	ITEM DESCRIPTION	NO	L.	в	D/H	QTY	UNIT	RATE	AMOUNT
1	21.1	Boring/drilling bore well perfectly	- Galling and an and a second second	AND CONTRACTOR	- HEIGHT CHARLES IN FUR	the Select manufactures	Fig. 4 - Subject to the Local and			AMOUNT
		vertical for the specified depth		1				Contraction and	CONSIGNATION CONSIGNATION AND A	
		suitable to								
		receive required dia for casing/								
		strainer pipe, by suitable method								
		prescribed in IS: 2800 (part I),								
		including collecting samples from								
		different				1				
		strata, preparing and submitting								
		strata chart/bore log, including hire								
		8								
		running charges of all equipments,								
		tools, plants & machineries required								
		for								
		21.1.1.3 150 mm dia.			a watana kata kata kata kata kata kata kata					
t				00.00	an and an and an an an an an an					
1		21.1.2 Rocky strata including	1	30.00			30.00	m	339.00	10170.00
		Boulders.								
		21.1.2.2 125 mm dia.								
		the state of the s	1	50.00			50.00		240.00	
2	21.	3 Supplying, assembling, lowering		30.00			50.00	m	349.00	17450.00
		and fixing in vertical position in bore				~				
		well,	-							
		unplasticized PVC medium well					新治理			
		casing (CM) pipe of required dia,								
		conforming to IS: 12818, including								•
		required hire and labour charges,								
		fittings & accessories etc. all								
		complete, for all depths, as per								
		1 21.3.2 125 mm nominal size dia.					60.00	m	474.00	28440.00
3	21.									20440.00
		and fixing in vertical position in bore			· · .					
		well								
		unplasticized PVC medium well								
		screen (RMS) slotted pipes with				κ.				
		ribs,								
		conforming to IS: 12818, including								
		hire & labour charges, fittings &								1
		accessories etc. all complete, for all depths, as per direction of								
		3 150 mm nominal size dia.								
							10.00	m	546.00	5460.00

one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. 105.00 17.1.22 4 x 10 sq. mm. 105.00 8 Total = 105.00 meter 278.00 29190.00 8 5.11 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 100.00 5.11.2 2 x 1.5 sq. mm 100.00	1	1 23								
accordance with IS : 2800 (part I) 189, to establish maximum rate (c), the water yield without sand combat (beyond permissible limit), with required capacity without sand compressor, running the compressor, running the compressor, and the same same static level & farw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS. 2800 (part I), including necessary bolts & nuts of required size complete. 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by VES method using Schumberger configuration for locating the proper spot for difling of lube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readmase, necessary manh and including excavation, same customic, sheet and cas required. 10.00 nos 1502.00 15020.00 17.1 Supplying and laying following sizes one number PVC insulated XLPE proce sheethed, state al arrourced, aluminum conductor power cable of 1.1. RV grade direct in gound including excavation, same customing, protective covering and customing, protective covering and customing subcoconcealed, steel PVC conductor, single core cable in the existing surface concealed, steel PVC conductor PVC insulated copper conductor, single core cable in the existing surface concealed, steel PVC conductor PVC casing caping as 5.11.2 2 × 1.5 sq. mm 100.00 100.00		evelopment of tube well in								
1:nd 15: 1:16; to establish maximum rate oright, the water yield without sand compressor (a running) the compressor, nunning the compressor, nunning the generative method, reasung static level & draw down etc. by step draw down method, collecting water 45:00 hrs 664:00 29430:00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per 15: 2800 (part 1), including necessary botts & nuts of required size complete. 45:00 hrs 664:00 29430:00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per 15: 2800 (part 1), including necessary botts & nuts of required size complete. 2.00 nos 1055:00 2110:00 21.17 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the and submission of report in the desired format along with resistivity readinos. necessary ranah and including excavation, sand cushinium conductor power cable of 11.1 10:00 nos 1502:00 1502:00 17.12 X 10 sq. mm. 105:00 2 2 2 2 2 2 1502:00 1502:00 17.12 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface concealing as required. 105:00 105:00 105:00 2 2 2 2 2 2 2	A	ccordance with IS : 2800 (part I)								
189, to establish maximum rate oright the water yield without sand (with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by 'V' notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS 2800 (part), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS 2800 (part), including necessary bolts & nuts of required size complete. 2.00 nes 1055.00 2110.00 21.12 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the aselected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings. necessary and hand 10.00 nos 1502.00 15020.00 17.1 Supplying and laying following sizes one number PVC insulated/ XLPE PVC sheathed, stel arrounded, cushioning, protective covering and refilling the trench etc as required. 105.00	1,	nd IS:								
off, the water yield without sand canget, theyong permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuning static level & draw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS; 2800 (part I), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.17 Carrying out the resistivity survey by VES method using Schumberger configuration for locating the proper spot for drilling of tube well within the and submission of report in the desired format along with resistivity readings. necessary and and including excavation, sand cushing, protective covering and refiling the trench etc as required. 10.00 nos 1502.00 1502.00 17.1 Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armound including excavation, sand cushing, protective covering and refiling the trench etc as required, 17.12 105.00	1 X	189, to establish maximum rate	1							
content (beyond permissible limit), with required capacity air compressor, running the compressor, running the compressor, running the isfully developed, measuring yield of well by "V" notch method, or any other approved method, measuring state level & draw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.12 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readines. necessary tranh and including excavation, and cushicining, ortexery and including excavation, and cushicining, ortexery and including excavation, and cushicining, ortexery concealed in the executive covering and refilling the trench et as required. 105.00 11502.00 17.12 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the executive surfage concealed, steev PVC conduct PVC casing caping as required. 100.00 100.00	1	able water vield without cand					1		ŀ	
with required capacity air compressor, running the compressor, for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS. 2800 (part 1), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.17 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for dnilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readines, necessary ranh and 10.00 nos 1502.00 15020.00 17.1 Supplying and laying following sizes one number PVC insulated XLPE, PVC sheathed, steel armoured aluminum conductor power cable of 1.1. KV grade direct in ground including excavation, sand cushicing, protective covering and refilling the trench etc as required, 17.122 105.00		ontent (beyond permissible limit)	1		÷	1				
compressor, running the compressor, running the shuly compressor, running the shuly developed, measuring yield of well by "V" notch method, or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water 45.00 hrs 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part 1), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.17 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readinons.necessary runnh and 10.00 nos 1502.00 1502.00 17.1 Supplying and laying following sizes one number PVC insulated XLPE, PVC sheathed, steel armoured aluminum conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refiling the trench etc as required, 17.122 105.00 105.00 17.12 Supplying and drawing following sizes of FR PVC insulated XLPE, PVC canduit PVC casing caping as required. 105.00 21.000 17.12 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable of 1.1 KV grade core cable of 1.1 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC canduit PVC casing caping as required.		with required capacity size								
compressor for required time till weil is fully developed, measuring yield of weil by 'V' notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water 45.00 hrs 654.00 29430.00 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2000 (part I), including necessary bolts & nuts of required size complete. 45.00 hrs 654.00 29430.00 21.17 Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for dilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readines, necessary ranah and 10.00 nos 1502.00 15020.00 17.1 Supplying and laying following sizes on enumber PVC insulated XLPE. PVC sheathed, steel armoured aluminum conductor power cable of 1.1. KV grade direct in ground including excavation, sand cushicing, protective covering and cushicing, protective covering and cushicing, core cable of 1.1. KV grade direct in ground including excavation, sand cushicing, core cable of 1.1. KV grade direct in ground including excavation ground cushicing, core cable of 1.1. KV grade direct in ground including excavation, sand cushicing, core cable of 1.1. Supplying and drawing following sizes of FR PVC insulated Coper conductor, single core cable of 1.1. Supplying and drawing following sizes of FR PVC insulated coper conductor, single core cable of 1.1. Supplying and drawing following sizes of FR PVC insulated coper conductor, single core cable in the ceviting surface/ conceale			1							
is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water 21.12 Providing and fixing MS, clamp of 45.00 required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts 8 nuts of required size 200 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 21.17 Carrying out the resistivity survey by 2.00 nos 1055.00 2110.00 105.00 nos nos nos 1050.00 1502.00 1502.00 1502.00 15				1						
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Image: Strain Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. Image: Total = 105.00 meter 278.00 29190.00 5.11 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. Image: Total = 105.00 meter 278.00 29190.00 5.11.2 2 x 1.5 sq. mm Image: Total = 105.00 meter 278.00 29190.00										
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8 5.11 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 100.00 5.11.2 2 x 1.5 sq. mm 100.00								•		
8 5.11 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 100.00 5.11.2 2 x 1.5 sq. mm 100.00					_	+	105.05			
sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 100.00 5.11.2 2 x 1.5 sq. mm 100.00						Total =	105.00	meter	278.00	29190.00
conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 5.11.2 2 x 1.5 sq. mm	8 5.11									
existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 5.11.2 2 x 1.5 sq. mm 100.00										
PVC conduit/ PVC casing caping as required. 100.00 5.11.2 2 x 1.5 sq. mm						· · ·				4
required. 100.00 5.11.2 2 x 1.5 sq. mm										
5.11.2 2 x 1.5 sq. mm 100.00	í ei 🔸									
							100.00			
	5 11	2 12 x 1.5 sq. mm								
Total = 100.00 meter 33.00 3300.00	5.11.	2 2 x 1.5 sq. mm								

	1							State and participation of		
فر		applying and fixing PVC water tight								
5		terminal box of approved make and								
		brand with detachable gland plate in								
	all a	tom, hinged front openable		_						. A.
	A States	rubber gasket having openable						1		
	/	con , rubber gasket, having 1 Nos	<i>v</i> .							
	1	4way connector and 1 No SPMCB								
/		inside the box for cable connection,							1	
1	1 d	fixed to pole with 2 Nos clamp made								
		from 25x3mm GI flat with 2 No GI								
- 36	- 6.	nuts bolts complete as required.								
								1		
	21.17.1	250x200x125 mm for single phase								
						Taki	1.00			
10	26.3	Supplying, installation, testing and				Total =	1.00	each	799.00	799.00
		commissioning of submersible				2				
		pump set for water supply system								
	1	with submersible motor directly								
	1	coupled to multi stans as a line				1			1	
		coupled to multi-stage submersible				×				
		pump of specified discharge				8				
		capacity, head, delivery size in	1							·
		existing bore well including 2 sets of								
-		suitable size holding clamps made								
		out of 50 mm X 6 mm MS flat,								
		1.5 HP, single phase								
	2		1				1.00	each	17633.00	17633.00
11	26.12	Supplying and fixing M.S. clamp 50							11055.00	17033.00
		cm long made of 50mmx5mm thick								
		M.S. Flat for holding the pipes and								
		submerable pump set as required.					5.00	Metre	314.00	1570.0
		penip oct us required.								
12	26.13	Supplying and fixing 300 mm dia 2								
		mm thick M.S. sheet cover with 3								
		cm edge in two past on tube well								
		bore pipe as required								
		bore pipe as required					1.00	nos	393.00	393.00
		15 B			1				-	
-								·		
13	26 10									
13	20.10	Supply, installation, testing and			1		1.00	nos	4253.00	4253.00
		commissioning of 5-7.5 HP 3 phase			1			1 .		
		submersible motor starter cum			1					
		control wall/ floor mounted type					1			
		made out of not less than 1.6 mm								
		thick MS sheet and comprising of								
		following panel mounting			1	· .				
		switchgears there in including								
		connection inter-connection etc. as								
ē 1.,								1	TOTAL =	• 165218.00

TOTAL= • 165218.00

02

1.2

	T-B-SANITATION WORK						T	
stabil nes (4kg/.	ized Unplasticised Rigid PVC (single socketed) having 3.2mm hickness conforming to IS : 13592 (cm) including required ers.jointing with seal ring		- F - 10 -					
confo gap comp	for thermal expansion etc olete.							
175 m	m dia pipe.	1	24.00		24.00	metre		4368.00
2 110 г	nm dia pipe.	1	30.00		30.00	metre		8010.00 5798.00
squa),100 litre (sam with fixtur maki	ding and fixing water closet tting pan (Indian type W.C. pan mm sand cast Iron P or S trap, 10 low level P.V.C. flushing cistern the colour) conforming to IS : 7231, flush bend and other fittings and res complete including cutting and ing good the walls and floors rever required :				2	eacn	2899.00	5796.00
	te Orissa pattern W.C. pan of size x440 mm						0000.00	5798.00
was C.P inclu and	viding and fixing vitreous china h basin with C.I. brackets, 32 mm brass waste of standard pattern, uding painting of brackets, cutting making good the walls wherever uired:				2	each	2899.00	5798.00
	ite Size 550x450 mm							
sta fittii thic cor join 538 exp	byiding and fixing on wall face UV bilized Unplasticised - PVC moulded ngs/ accessories having 3.2mm wall extness for Rigid PVC pipes offorming to IS : 13592 (heavy) ating with seal ring conforming to IS : 32 leaving 10 mm gap for thermal bansion.							
	e/ Tee with door/ Bend 45°/ Bend							
90° 175					2.00	each	113.00	226.00
	0 mm	-			10.00	each	154.00	1540.00
	nt covel							
1 75	mm			 	4.00	each	34.00 90.50	136.00 543.00
19.4 Pro Po ha wa bro pij Th wi ce as	hani trap 110x75mm oviding and fixing Chlorinated olyviny! Chloride (CPVC) pipes, wing thermal stability for hot & cold ater supply including all CPVC plain & ass threaded fittings i/c fixing the pe with clamps at 1.00 m spacing. his includes jointing of pipes & fittings th one step CPVC solvent ement and testing of joints complete s per direction of Engineer in harge.				6.00	each	30.30	

 minominal outer dia .Pipes. min nominal outer dia .Pipes. min nominal outer dia .Pipes. min nominal outer dia .Pipes. iding and fixing 15 mm nominal bon rass bib/stop cock of approved 1 Bib cock (250 grams) 19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams) 	70.00 40.00 23.00 6.00 14.00 2.00	metre metre metre each each	110.00 199.00 271.00 185.00	7700.00 7960.00 6233.00 1110.00
Imm nominal outer dia .Pipes. iding and fixing 15 mm nominal iding and fixing 15 mm nominal iding and fixing 15 mm nominal ibib cock (250 grams) 19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams)	23.00 6.00 14.00	metre each	199.00 271.00	7960.00 6233.00
iding and fixing 15 mm nominal pon rass bib/stop cock of approved 1 Bib cock (250 grams) 19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams)	6.00	each	271.00	6233.00
1 Bib cock (250 grams) 19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams)	14.00			
1 Bib cock (250 grams) 19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams)	14.00		185.00	1110.00
bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams)	14.00		185.00	1110.00
make and conforming to IS:8931 including C.P. brass extension if required: 6 Stop cock (concealed) (600 grams 4 Piller Cock (400 grams)		each		
4 Piller Cock (400 grams)		each	1	
		cault	494.00	
	2.00			6916.00
19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:		each	398.00	796.00
1 Bib cock (400 grams)	8.00	each	382.00	2050.00
2 Long nose bib cock (500 grams)				3056.00
11 Hand shower set with flexible	4.00	each each	455.00 754.00	1820.00
extension pipe	2.00	caon	/ 54.00	1506.00
19.15 Providing and fixing stainless steel drain jali of approved make/quality.	12.00	each	51.00	612.00
19.16 Providing and fixing brass/ gun metal				
gate valve with C.I. wheel of approved				
quality (screwed end):		_		
1 25 mm nominal bore	5.00	each	436.00	2180.00
2 32 mm nominal bore. 1 19.51 Constructing masonry Chamber	5.00	each	510.00	2550.00
60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2.00	each	4356.00	8712.00
necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with				
3 19.42 Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and	2000.00	litre	7.30	14600.00
the base support for tank.				
			TOTAL =	92172.00
			Part A	442323.23
		55 F		534495.23

Anna		
N. And	BORE	165218.00
		6997.13.23
2	Say Rs.=	700000.00
1		

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

Sub Engineer Municipal Corporation Korba (C.G.)