कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 1385 / ज.प्र. / 2024

सिस्टम टेंडर नं 155667

कोरबा दिनांक 03.07.2024

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरवा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा पी.एच.ई.-यू.ओ.एस.आर. एमेंडमेंट 7/2022-23 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 निविदा प्रपत्र फार्म A में निविदा आमंत्रित की जाती है :-

	(2 3 1149(1)	C (L-1 chacin	<u> </u>		- A	ठेकेदार का	निविदा खुलने
क.	कार्य का नाम	प्राक्कलन	धरोहर राशि	कायोवधि	निविदा प्रतिभागी	047414 471	
		राशि(लाख में)	(FDR/TDR)		शुल्क (DD)	वर्ग	की तिथि
			(11)10/11/19		3 ,		07 0004 T
1	कोरवा हाउसिंग वोर्ड कॉलोनी में 08 रथानों में	190.15	143000.00	06 माह	3000.00	वर्ग सी एव	25.07.2024 से
	यू.पी.एस. पाईप लाईन उपलब्ध एवं विछाने का	170.13	115000100			प्रवर श्रेणी	
	कार्य (15वें वित्त)						

शर्त:-

निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से 1. 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 2.

पालिक निगम (साडा) के हित के विरूद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।

- इच्छुंक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप 3. डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र रेपेन नम्बर, जी. एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का रकेन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होंगा ।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
 - 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 (राशि रू. 100/— नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा कमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।

• अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का DD जो कि आयुक्त, नगर पालिक निगम,कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।

सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को 4. छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर 5.

लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।

निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) 6. 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।

ईंट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा। 7.

प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा। 8.

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।

निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा। 10.

निविदा प्रपत्र फार्म –ए की कंडिका 11 अनुसार एस्कलेशन देय नहीं होगा। 11.

निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा। 12.

निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा। 13.

उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा 14. सकते है।

> कार्यपालन अभियंता नगर पालिक निगम 🚣कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

Date-Time Detail(s)

Seq.	Nagar Nigam Stage	Contractor Store	Start		Expir	у	Remarks
No.	Magar Migarii Stage	Contractor Stage	Date	Time	Date	Time	
1	Release Tender		03.07.2024	15.00	03.07.2024	15.00	Release Tender
2		Bid Submission	03.07.2024	15.00	24.07.2024	17.30	
3		Physical Document Submmission	03.07.2024	17.00	25.07.2024	15.00	
4	Tender Open		25.07.2024	16.00			

EXECUTIVE ENGINEER

KORBA (CG)

For, Commissioner Korba (C.G.)

ESTIMATE

SUBJECT :- PROVIDING AND LAYING OF UPVC PIPE LINE IN LIG- 516 TYPE DINDATAL AWAS YOJNA AT RAMPUR KORBA

SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin-charge.	1	1600	0.50	0.20	160.00	Cum	1378.00	220480.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	1600	0.50	0.80	640.00	Cum	201.00	128640.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	1	900			900.00	mtr	545.00	490500.00
	160 mm dia (10Kg/Cm2)	1	700			700.00	mtr	1030.00	721000.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								
	110 mm dia (10Kg/Cm2)	1	170			170.00	Each	34.00	5780.00
	160 mm dia (10Kg/Cm2)	1	125			125.00	Each	50.00	6250.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	20			20.00	Each	505.00	10100.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	1626.00	13008.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	110 mm dia (10Kg/Cm2)	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm2)	1	5			5.00	Each	846.00	4230.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.						_		

-			1.5		 1			0.40.00
1	m dia (10Kg/Cm2)	1	10		10.00	Each	94.00	940.00
1	10 n Jia (10Kg/Cm2)	1	10		10.00	Each	185.00	1850.00
	160 mm dia (10Kg/Cm2)	1	4		4.00	Each	509.00	2036.00
0	Providing and laying in position including testing following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
	110 mm dia (10Kg/Cm2)	I	5		5.00	Each	106.00	530.00
9	Providing and laying in position including testing PVC coupler suitable for 6, 8 and 10 Kg/Sq. cm. Pressure pipes.							10.00
	110 mm dia (10Kg/Cm2)	1	70		70.00	Each	168.00	11760.00
	160 mm dia (10Kg/Cm2)	1	50		50.00	Each	451.00	22550.00
10	Providing and laying in position including testing of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
	160 x 110 mm dia	1	5		5.00	Each	311.00	1555.00
11	Providing & fixing of following Ductile iron double flanged sluice valves as per 1S 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete							
	80 mm dia (10Kg/Cm2)	1	5		5.00	Each	8225.00	41125.00
	100 mm dia (10Kg/Cm2)	1	5		5.00	Each	11054.00	55270.00
	150 mm dia (10Kg/Cm2)	1	2		2.00	Each	16861.00	33722.00
12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II							
	50mm dia	1	2	5	25.00	Each	1176.00	29400.00
1	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame an coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete a directed by Engineer-in-Charge.(Note:-Walthick ness: 0.23M fordepth of 1.2 Mand 0.3 M for balance depth exceeding 1.2M). Valuchamber with C1 Frame & Cover	s 1 5						
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg		1	7	7.0	0 Eac	ch 12398.00	86786.00

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	bedan over the pipe (including supply)	I	1600	0.50	0.15	120.00	Cum	864.00	103680.00
5	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	1600	0.50	0.15	120.00	Cum	5216.00	625920.00
	1:31/2:3 (M-20)	1	1600	0.50	0.15	120.00	Cum	6545.00	785400.00
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	1600	0.50	0.50	400.00	Cum	62.00	24800.00
	Item Rate								
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the job as per Engineer incharges.	1	15			15.00	Cum	4100.00	61500.00
				•			Т	OTAL RS.	3538582.00

Asstt Engineer Municipal Corporation Korba (C.G.)

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPE LINE IN LIG-168 TYPE DINDATAL AWAS YOJNA AT BARBASPUR KORBA

PHE	E - UOSR Amendment 7-2022-23								
SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin- charge.	1	400	0.50	0.20	40.00	Cum	1378.00	55120.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	400	0.50	0.90	180.00	Cum	201.00	36180.00
	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	I	400			400.00	mtr	545.00	218000.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								
	110 mm dia (10Kg/Cm2)	1	70			70.00	Each	34.00	2380.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	10			10.00	Each	505.00	5050.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	110 mm dia (10Kg/Cm2)	1	6			6.00	Each	318.00	1908.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								
	90 m dia (10Kg/Cm2)	1	6			6.00	Each	94.00	564.00
	110 mm dia (10Kg/Cm2)	1	8			8.00	Each	185.00	1480.00

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	viding and laying in position including str., Sollowing PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	5			5.00	Each	106.00	530.00
9	Providing and laying in position including testing PVC coupler suitable for 6, 8 and 10 Kg/Sq, cm. Pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	25			25.00	Each	168.00	4200.00
11	Providing & fixing of following Ductile iron double flanged sluice valves as per 1S 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete								
	80 mm dia (10Kg/Cm2)	1	3			3.00	Each	8225.00	24675.00
	100 mm dia (10Kg/Cm2)	1	3			3.00	Each	11054.00	33162.00
12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II								
	50mm dia	1	10			10.00	Each	1176.00	11760.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with C1 Frame & Cover								
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	5			5.00	Each	12398.00	61990.00
14	Supply & Filling moorum/river sand for pipe bedding or over the pipe (including supply)	1	400	0.50	0.15	30.00	Cum	864.00	25920.00
15	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	400	0.50	0.15	30.00	Cum	5216.00	156400.00
	1:31/2:3 (M-20)	ı	400	0.50		30.00	-	5216.00	156480.00
				1.50	10.13	50.00	Cum	6545.00	196350.00

A									
	g available excavated earth in trenches, ad up 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	400	0.50	0.50	100.00	Cum	62.00	6200.00
N	Item Rate								
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, M.J. Coller, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	14500.00	14500.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the job as per Engineer incharges.		15			15.00	Cum	4100.00	61500.00
TOTAL RS.							917949.00		

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

ESTIMATE

Subject:- PROVIDING AND LAYING OF UPVC PIPES LINE IN 155 LIG-TYPE DINDATAL AWAS YOJNA AT SEMIPALI DARRI KORBA

BN	- UOSR Amendment 7-2022-23 ITEM	No.	L	W	Q.	QTY	UNIT	RATE	AMOUNT
SIA	11 EW	110.	_	,,					
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin- charge.	1	1600	0.50	0.20	160.00	Cum	1378.00	220480.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	1600	0.50	0.90	720.00	Cum	201.00	144720.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	1	1400			1400.00	mtr	545.00	763000.00
	160 mm dia (10Kg/Cm2)	1	200			200.00	mtr	1030.00	206000.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								700000
	110 mm dia (10Kg/Cm2)	1	235			235.00	Each	34.00	7990.00
	160 mm dia (10Kg/Cm2)	1	35			35.00	Each	50.00	1750.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								,
	110 mm dia (10Kg/Cm2)	1	25			25.00	Each	505.00	12625.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	1626.00	13008.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	110 mm dia (10Kg/Cm2)	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	846.00	6768.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								ż

4								
	frim dia (10Kg/Cm2)	1	8		8.00	Each	94.00	752.00
	10 mr/ ria (10Kg/Cm2)	1	8		8.00	Each	185.00	1480.00
3550 M	60 mm dia (10Kg/Cm2)	1	4		4.00	Each	509.00	2036.00
8	Providing and laying in position including testing following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
	110 mm dia (10Kg/Cm2)	1	15		15.00	Each	106.00	1590.00
9	Providing and laying in position including testing PVC coupler suitable for 6, 8 and 10 Kg/Sq. cm. Pressure pipes.							
	110 mm dia (10Kg/Cm2)	1	80		80.00	Each	168.00	13440.00
	160 mm dia (10Kg/Cm2)	1	30		30.00	Each	451.00	13530.00
10	Providing and laying in position including testing of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
And according	160 x 110 mm dia	1	5		5.00	Each	311.00	1555.00
11	Providing & fixing of following Ductile iron double flanged sluice valves as per IS 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete							
	80 mm dia (10Kg/Cm2)	1	4		4.00	Each	8225.00	32900.00
	100 mm dia (10Kg/Cm2)	1	4		4.00	Each	11054.00	44216.00
	150 mm dia (10Kg/Cm2)	1	2		2.00	Each	16861.00	33722.00
12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II							
	50mm dia	1	10		10.00	Each	1176.00	11760.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover							
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	6		6.00	Each	12398.00	74388.00

									B
	pply Filling moorum/river sand for pipe edding or over the pipe (including supply)	1	1600	0.50	0.15	120.00	Cum	864.00	103680.00
.5	roviding & laying mechanically mixed ement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	1500	0.50	0.15	112.50	Cum	5216.00	586800.00
	1:31/2:3 (M-20)	1	1500	0.50	0.15	112.50	Cum	6545.00	736312.50
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	1600	0.50	0.50	400.00	Cum	62.00	24800.00
17	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining.								
	400 mm Dia	1	2			2.00	Each	17309.00	34618.00
	Item Rate			-		_			
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the job as per Engineer incharges.	1	10			10.00	Cum	4100.00	41000.00
						•	•	TOTAL RS	3184690.50

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

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 168 LIG-TYPE DINDATAL AWAS YOJNA AT GOKUL NAGAR KHARMORA KORBA

	- UOSR Amendment 7-2022-23				_				
SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin-charge.	l	600	0.50	0.20	60.00	Cum	1378.00	82680.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	600	0.50	0.90	270.00	Cum	201.00	54270.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	1	250			250.00	mtr	545.00	136250.00
	160 mm dia (10Kg/Cm2)	1	350			350.00	mtr	1030.00	360500.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								
	110 mm dia (10Kg/Cm2)	1	60			60.00	Each	34.00	2040.00
	160 mm dia (10Kg/Cm2)	1	45			45.00	Each	50.00	2250.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	20			20.00	Each	505.00	10100.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	1626.00	13008.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	110 mm dia (10Kg/Cm2)	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	846.00	6768.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								

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10 mm dia (10Kg/Cm2)	2	Man di com la							
100 mm din (10Kg/Cm2)		him dia (10Kg/Cm2)	1	6		6.00	Each	94.00	564.00
Providing and laying in position including testing following PVC end Car (plugs) suitable for 6, 8 and 10 Kg/Sq cm, Pressure pipes. 110 mm dia (10Kg/Cm2)		1 m _dia (10Kg/Cm2)	1	6		6.00	Each	185.00	1110.00
Second Following PVC and Cap (phigs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes. 110 mm dia (10Kg/Cm2) 1 10 10,00 Each 106,00 1060,00	1	160 mm dia (10Kg/Cm2)	ı	4		4.00	Each	509.00	2036.00
Suttable for 6, 8 and 10 kg/Sq cm. Pressure pipes. 110 mm dia (10kg/Cm2) Providing and laying in position including testing end following pipes. 110 mm dia (10kg/Cm2) 110 mm dia (10kg/Cm2) 125 125 130 30.00 Each 168.00 5040.00 Each 168.00 5040.00 Each 168.00 11275.00 Providing and laying in position including testing of following PVC Reducers suitable for 6. 8 and 10 kg/Sq cm. Pressure pipes. 160 x 110 mm dia Providing & fixing of following Ductile iron double flanged sluice valves as per 1S 14846-2000 fitted with cap including jointing & testing of the with cap including indiversal such as botts, nuts, rubber insertions etc. all complete 80 mm dia (10kg/Cm2) 1 3 3.00 Each 11054.00 33162.0 150 mm dia (10kg/Cm2) 1 4 3 3.00 Each 11054.00 33162.0 Providing and (10kg/Cm2) 1 50 mm dia (10kg/Cm2) 1 2 2.00 Each 16861.00 33722.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with 15 providing and ficing C.1. manhole frame and coverin RCC1:2:4 epingor RCC1:2:3 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with 15 providing and fixing C.1. manhole frame and coverin RCC1:2:4 epingor RCC1:2:4 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with 15 providing and fixing C.1. manhole frame and coverin RCC1:2:4 epingor RCC1:2:4 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with 15 providing and fixing C.1. manhole frame and coverin RCC1:2:4 epingor RCC1:2:4 proportion 12m thick exceeding 1.2 M, vlave chamber with C1 Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm 1 5 5 600 K to 1 2000 C 1000 C 10	1	Providing and laying in position including							
110 mm dia (10Kg/Cm2)	8	suitable for 6. 8 and 10 Ka/Samuel b							
9 Providing and laying in position including testing PVC coupler suitable for 6, 8 and 10 Kg/Sq. cm. Pressure pipes. 110 mm dia (10Kg/Cm2) 1 30 30.00 Each 168.00 5040.00 1275.00 160 mm dia (10Kg/Cm2) 1 25 25,00 Each 451.00 11275.00 100 mm dia (10Kg/Cm2) 1 25 5 25,00 Each 451.00 11275.00 100 mm dia (10Kg/Cm2) 1 25 5 5.00 Each 311.00 1555.00 100 Each 160 x 110 mm dia 10 Kg/Sq cm. Pressure pipes. 160 x 110 mm dia 1 5 5 5.00 Each 311.00 1555.00 110 Each 160 x 110 mm dia 100 kg/Sq cm. Pressure pipes. 160 x 110 mm dia 100 kg/Sq cm. Pressure pipes. 111		pipes.							
9 testing PVC coupler suitable for 6, 8 and 10 Kg/Sq. cm. Pressure pipes.			1	10		10.00	Each	106.00	1060.00
Rg/Sq, cm. Pressure pipes. 110 mm dia (10Kg/Cm2)		Providing and laying in position including							
110 mm dia (10Kg/Cm2)	9	Kg/Sq. cm. Program sings							
160 mm dia (10Kg/Cm2)				30	 	30.00	Each	169.00	5040.00
Providing and laying in position including testing of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes. 100 x 110 mm dia Providing & fixing of following Ductile iron double flanged sluice valves as per IS 14846:2000 fitted with cap including ionting & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2) 100 mm dia (10Kg/Cm2) 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 11054.00 33162.0 Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtolS 778/1984 (Reaffirmed 2005) Class-II 50mm dia Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I., manhole frame and coverin RCC1:2:4 epipop RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge (Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth execueding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm 1 5 5 5.00 Each 311.00 1555.00 1 5 5.00 Each 11054.00 33162.0 1 5 5 5.00 Each 11054.00 33162.0 1 5 5 5.00 Each 11054.00 33162.0 2 4 6 7 5 0 0 Each 11054.00 33162.0 2 5 0 0 Each 11054.00 33162.0 2 6 7 6 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					 				
10 testing of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes. 160 x 110 mm dia Providing & fixing of following Ductile iron double flanged sluice valves as per 1S 111 14 15 14846;2000 fitted with cap including interial such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2) 1 3 3.00 Each 11054.00 33162.0 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 16861.00 33722.0 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 16861.00 13722.0 12 2 1.00kg/sq.cm.ConformingtolS 778/1984 (Reaffirmed 2005) Class-II 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin CM.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:24 oppingor RCC1:24 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm				25	 	25.00	Each	451.00	11275.00
International Content of the Conte	10	testing of following PVC Reducers suitable							
Providing & fixing of following Ductile iron double flanged sluice valves as per IS 111		for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
double flanged sluice valves as per IS 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2) 100 mm dia (10Kg/Cm2) 1 2 3.00 Each 11054.00 33162.0 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 16861.00 33722.0 Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.L. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge (Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm			1	5		5.00	Each	311.00	1555.00
11 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2)		Providing & fixing of following Ductile iron							
jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2) 100 mm dia (10Kg/Cm2) 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 11054.00 33162.0 Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtolS 778/1984 (Reaffirmed 2005) Class-II 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover		14846:2000 fitted with cap including							
material such as bolts, nuts, rubber insertions etc. all complete 80 mm dia (10Kg/Cm2)	11	jointing & testing with cost of jointing							
80 mm dia (10Kg/Cm2) 100 mm dia (10Kg/Cm2) 1 3 3,00 Each 11054.00 33162.0 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 16861.00 33722.0 Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-11 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm		material such as bolts, nuts, rubber insertions							
100 mm dia (10Kg/Cm2) 150 mm dia (10Kg/Cm2) 1 2 2.00 Each 11054.00 33162.0 Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtolS 778/1984 (Reaffirmed 2005) Class-II 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm	-					2.00		0007.00	0.4677.00
150 mm dia (10Kg/Cm2) 1 2 2.00 Each 16861.00 33722.0			<u>l</u>						
Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II 50mm dia			<u>'</u>						
21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II 50mm dia 1 15 15.00 Each 1176.00 17640.0 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover				2		2.00	Each	16861.00	33722.00
(Reaffirmed 2005) Class-II 50mm dia I 15 Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm 1 5 00 Feet 1020000 (510000)	12			l l					
Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge (Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover	12								
Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover			1	15		15.00	Each	1176.00	17640.00
valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover	-							1170.00	17010.00
proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover		,							
excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm		A TABLE WAS TO THE SECTION AND SET THE SECTION OF T							
cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm									
providing and fixing C.L. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm									
coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm	1.	·							
proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm	1.	ļ. — — — — — — — — — — — — — — — — — — —							
thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm		proportionx15cm thick slab, etc complete as							
M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover Size 90cm x90cm,depth 1.2 M with 53 cm									
Size 90cm x90cm,depth 1.2 M with 53 cm			1						
-1 -1 -1 -1 -1 -1 -1 -1									
-1 -1 -1 -1 -1 -1 -1 -1		Size 90cm x90cm,depth 1.2 M with 53 cm							
		dia F&C,90 Kg	1	5		5.00	Each	12398.00	61990.00

-									
	& Filling moorum/river sand for pipe edding, r over the pipe (including supply)	1	600	0.50	0.15	45.00	Cum	864.00	38880.00
5	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	600	0.50	0.15	45.00	Cum	5216.00	234720.00
	1:31/2:3 (M-20)	1	600	0.50	0.15	45.00	Cum	6545.00	294525.00
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	600	0.50	0.50	150.00	Cum	62.00	9300.00
17	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining.								
	250 mm Dia	1	2			2.00	Each	7592.00	15184.00
	Item Rate								
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the joins per Engineer incharges.		12	2		15.00	Cum	4100.00	61500.00
		-1	•	•			,	TOTAL RS	. 1565574.00
1									

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

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 58 MIG-TYPE & 84 EWS TYEP DINDATAL AWAS YOJNA AT GOKUL NAGAR KHARMORA KORBA

SN	- UOSR Amendment 7-2022-23	No.		W	Q	QTY	UNIT	RATE	AMOUNT
		140.	_	''	~	٠			
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin- charge.	1	780	0.50	0.20	78.00	Cum	1378.00	107484.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	780	0.50	0.90	351.00	Cum	201.00	70551.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	1	380			380.00	mtr	545.00	207100.00
	160 mm dia (10Kg/Cm2)	1	400			400.00	mtr	1030.00	412000.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6. 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								
	110 mm dia (10Kg/Cm2)	1	75			75.00	Each	34.00	2550.00
	160 mm dia (10Kg/Cm2)	1	45			45.00	Each	50.00	2250.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	15			15.00	Each	505.00	7575.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	1626.00	13008.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	110 mm dia (10Kg/Cm2)	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm2)	1	8			8.00	Each	846.00	6768.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								

	7	in dia (10Kg/Cm2)	. T			,			
	1	0 mm ja (10Kg/Cm2)	-	12		12.00	Each	94.00	1128.00
	-	0 mm dia (10Kg/Cm2)	1	6		6.00	Each	185.00	1110.00
1		oviding and laying in position including	1	4		4.00	Each	509.00	2036.00
8	su	sting following PVC end Cap (plugs) itable for 6, 8 and 10 Kg/Sq cm. Pressure pes.							
	1	10 mm dia (10Kg/Cm2)	1	10	 	10.00	Each	106.00	1060.00
9	K	roviding and laying in position including esting PVC coupler suitable for 6, 8 and 10 tg/Sq. cm. Pressure pipes.				70.00	Each	100.00	1000.00
	1	10 mm dia (10Kg/Cm2)	1	35		35.00	Each	168.00	5880.00
	_	60 mm dia (1 0Kg/ Cm2)	1	25		25.00	Each	451.00	11275.00
1	0 t	Providing and laying in position including esting of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
		60 x 110 mm dia	1	5		5.00	Each	311.00	1555.00
1	1	Providing & fixing of following Ductile iron double flanged sluice valves as per IS 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete							
	_	80 mm dia (10Kg/Cm2)	1	6		6.00	Each	8225.00	49350.00
		100 mm dia (10Kg/Cm2)	1	3		3.00	Each	11054.00	33162.00
		150 mm dia (10Kg/Cm2)	1	2		2.00	Each	16861.00	33722.00
	12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II							
		50mm dia	1	7		7.00	Each	1176.00	8232.00
	13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with C1 Frame & Cover	5						
		Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	4		4.00	Each	12398.00	49592.00

S.	¥	and the second s							
	& Filling moorum/river sand for pipe adding over the pipe (including supply)	1	780	0.50	0.15	58.50	Cum	864.00	50544.00
15	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	650	0.50	0.15	48.75	Cum	5216.00	254280.00
	1:31/2:3 (M-20)	١	650	0.50	0.15	48.75	Cum	6545.00	319068.75
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	ı	780	0.50	0.50	195.00	Cum	62.00	12090.00
	Item Rate								
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the job as per Engineer incharges.		7			7.00	Cum	4100.00	28700.00
_							-	TOTAL RS	. 1741840.75

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

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 180 LIG-TYPE DINDATAL AWAS YOJNA AT KHARMORA KORBA

SN	- UOSR Amendment 7-2022-23	NIc		w		QTY	UNIT	RATE	AMOUNT
214	ITEM	No.	L	VV	Q	QII	UNIT	KAIL	Amount
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin-charge.	1	720	0.50	0.20	72.00	Cum	1378.00	99216.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	720	0.50	0.90	324.00	Cum	201.00	65124.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	110 mm dia (10Kg/Cm2)	1	270			270.00	mtr	545.00	147150.00
	160 mm dia (10Kg/Cm2)	l	450			450.00	mtr	1030.00	463500.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)	,							1500.00
	110 mm dia (10Kg/Cm2)	1	45			45.00	Each	34.00	1530.00
-	160 mm dia (10Kg/Cm2)	1	80			80.00	Each	50.00	4000.00
5	Providing and laying in position including							707.00	6060.00
	110 mm dia (10Kg/Cm2)	1	12		_	12.00	Each	505.00	6060.00
	160 mm dia (10Kg/Cm2)	1	5			5.00	Each	1626.00	8130.00
	Providing and laying in position including testing following PVC Tees, suitable for 6, and 10 Kg/Sqm. Pressure pipes	8						010.00	1590.00
-	110 mm dia (10Kg/Cm2)	1	5			5.00	Each	-	2538.00
-	160 mm dia (10Kg/Cm2)	1	3		_	3.00	Each	846.00	2338.00
	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								

I do to								
Jan 1	#a (10Kg/Cm2)	1	6		6.00	Each	94.00	564.00
	0 mr. dia (10Kg/Cm2)	1	4		4.00	Each	185.00	740.00
1	60 mm dia (10Kg/Cm2)	1	4		4.00	Each	509.00	2036.00
8 5	Providing and laying in position including esting following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure							
-+	nipes.	1	10		10.00	Each	106.00	1060.00
9 1	Providing and laying in position including esting PVC coupler suitable for 6, 8 and 10	1	10		10.00			
_	Kg/Sq. cm. Pressure pipes. 110 mm dia (10Kg/Cm2)	1	20		20.00	Each	168.00	3360.00
-		· 1	20		20.00	Each	451.00	9020.00
10	Providing and laying in position including testing of following PVC Reducers suitable	•	20					
-	for 6, 8 and 10 Kg/Sq cm. Pressure pipes. 160 x 110 mm dia	1	5		5.00	Each	311.00	1555.00
	Providing & fixing of following Ductile iron double flanged sluice valves as per IS 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts. rubber insertions							
	etc. all complete 80 mm dia (10Kg/Cm2)	1	3		3.00	Each	8225.00	24675.00
	100 mm dia (10Kg/Cm2)	1	2		2.00	Each	11054.00	22108.00
	150 mm dia (10Kg/Cm2)	1	2		2.00	Each	16861.00	33722.00
12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II							14110.00
	50mm dia	1	12		12.00	Each	1176.00	14112.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover							
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	4		4.00	Each	12398.00	49592.00

×	ddin over the pipe (including supply)	1	720	0.50	0.15	54.00	Cum	864.00	46656.00
/5	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	650	0.50	0.15	48.75	Cum	5216.00	254280.00
	1:31/2:3 (M-20)	1	650	0.50	0.15	48.75	Cum	6545.00	319068.75
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	720	0.50	0.50	180.00	Cum	62.00	11160.00
17	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to 1S: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and								
	internal cement mortar lining.	1	2			2.00	Each	19791.00	39582.00
	450 mm Dia Item Rate						-		
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt, labor charges for complation the job as per Engineer incharges.	1	12			12.00	Cum	4100.00	49200.00
								TOTAL RS	5. 1726328.

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

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 192 LIG-TYPE (Phase-2) DINDATAL AWAS YOJNA AT KHARMORA KORBA

SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin- charge.	1	330	0.50	0.20	33.00	Cum	1378.00	45474.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1	330	0.50	0.90	148.50	Cum	201.00	29848.50
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.								
	160 mm dia (10Kg/Cm2)	1	330			330.00	mtr	1030.00	339900.00
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)								
	160 mm dia (10Kg/Cm2)	1	330			330.00	Each	50.00	16500.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	160 mm dia (10Kg/Cm2)	1	7			7.00	Each	1626.00	11382.00
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								
	160 mm dia (10Kg/Cm2)	1	2			2.00	Each	846.00	1692.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								
	90 m dia (10Kg/Cm2)	1	6			6.00	Each	94.00	564.00
	110 mm dia (10Kg/Cm2)	1	10			10.00	Each	185.00	1850.00
	160 mm dia (10Kg/Cm2)	1	2			2.00	Each	509.00	1018.00

	m _c PVC coupler suitable for 6, 8 and 10 g/Sq. Mat. Pressure pipes.								
/	60 mm dia (10Kg/Cm2) Providing & fixing of following Ductile iron	l	15			15.00	Each	451.00	6765.00
11 c 1 j r	Houble flanged sluice valves as per IS 4846:2000 fitted with cap including ointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete								
_	30 mm dia (10Kg/Cm2)	1	3			3.00	Each	8225.00	24675.00
1	00 mm dia (10Kg/Cm2)	1	5			5.00	Each	11054.00	55270.00
1	50 mm dia (10Kg/Cm2)	1	1			1.00	Each	16861.00	16861.00
12 2	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 Reaffirmed 2005) Class-II								
:	50mm dia	1	16			16.00	Each	1176.00	18816.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab. etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	6			6.00	Each	12398.00	74388.00
14	Supply & Filling moorum/river sand for pipe bedding or over the pipe (including supply)	1	330	0.50	0.15	24.75	Cum	864.00	21384.00
15	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	330	0.50	0.15	24.75	Cum	5216.00	129096.00
	1:31/2:3 (M-20)	1	330	0.50	0.15	24.75	Cum	6545.00	161988.75
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	330	0.50	0.50	82.50	Cum	62.00	5115.00

~ .							
1	ting and Laying including testing the iron Mechanical joint collar with llower glands conforming to 18: 9523/2000 having dimension as per table 24 of 18: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining.						
	450 mm Dia	1	2.	2.00	Each	19791.00	39582.00
	Item Rate			2.00	Eden	15751.00	39382.00
tend	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee, M.J. Coller, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	I	1	1.00	Cum	45000.00	45000.00
2	Providing & Fixing of M.S. Shaddle piece size 110x 50mm dia etc. with rubber sheet & nut bolt. labor charges for complation the job as per Engineer incharges.	1	12	16.00	Cum	4100.00	65600.00
			1	 	Т	OTAL RS.	1112769.25

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

ESTIMATE

Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 160 LIG- TYEP DINDATAL AWAS YOJNA AT DADARKHURD

HE	- UOSR Amendment 7-2022-23			10/	0	QTY	UNIT	RATE	AMOUNT
N	ITEM	No.	L	W	Q	QTT	J		
	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineerin-charge.	1	2600	0.50	0.20	260.00	Cum	1378.00	358280.00
2	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	1,	2600	0.50	0.90	1170.00	Cum	201.00	235170.00
3	Providing, laying and jointing following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/sq. cm. pressures including testing of joints, cost of jointing materials								545000.00
	etc. complete in all respect. 110 mm dia (10Kg/Cm2)	1	1000			1000.00	mtr	545.00	545000.00
	160 mm dia (10Kg/Cm2)	1	1600			1600.00	mtr	1030.00	1648000.0
4	Providing, Solvent Cement Joints to PVC Pipes and fittings of 6, 8 and 10 Kg/Sq cm. Pressure including testing of joints and cost of jointing materials (i.e. socket, coupler & solvent cement)					105.00	Each	34.00	6290.00
	110 mm dia (10Kg/Cm2)	1	185			185.00		50.00	12500.00
	160 mm dia (10Kg/Cm2)	1	250			250.00	Each	30.00	12300.00
5	Providing and laying in position including testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.					70.00	Each	505.00	15150.00
	110 mm dia (10Kg/Cm2)	1	30		-	30.00		1626.00	32520.00
	160 mm dia (10Kg/Cm2)	1	20			20.00	Each	1020.00	32320.0
6	Providing and laying in position including testing following PVC Tees, suitable for 6, 8 and 10 Kg/Sqm. Pressure pipes								(260.00
	110 mm dia (10Kg/Cm2)	1	20			20.00	Each		6360.00
	160 mm dia (10Kg/Cm2)	1	12			12.00	Each	846.00	10152.00
7	Providing and laying in position including testing following PVC flanged tail pieces								

Tal Tal		-						
	mm dia (10Kg/Cm2)	1	4		4.00	Each	94.00	376.00
7	110 minyiia (10Kg/Cm2)	1	8		8.00	Each	185.00	1480.00
_	160 mm dia (10Kg/Cm2)	1.	4		4.00	Each	509.00	2036.00
8	Providing and laying in position including testing following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
	110 mm dia (10Kg/Cm2)	1	20		20.00	Each	106.00	2120.00
9	Providing and laying in position including testing PVC coupler suitable for 6, 8 and 10 Kg/Sq. cm. Pressure pipes.							
	110 mm dia (10Kg/Cm2)	1	50		50.00	Each	168.00	8400.00
	160 mm dia (10Kg/Cm2)	1	75		75.00	Each	451.00	33825.00
10	Providing and laying in position including testing of following PVC Reducers suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.							
	160 x 110 mm dia	1	10		10.00	Each	311.00	3110.00
11	Providing & fixing of following Ductile iron double flanged sluice valves as per IS 14846:2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete							11105.00
	80 mm dia (10Kg/Cm2)	1	5		5.00	Each	8225.00	41125.00
	100 mm dia (10Kg/Cm2)	1	4		4.00	Each	11054.00	44216.00
	150 mm dia (10Kg/Cm2)	1	2		2.00	Each	16861.00	33722.00
12	Providingandfixingfullwaygatevalvestestedto 21.00kg/sq.cm.ConformingtoIS 778/1984 (Reaffirmed 2005) Class-II							
	50mm dia	1	6		6.00	Each	1176.00	7056.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonryin C.M.1:5 proportion 12mm thick cement plaster in cm1:4 proportion on bothsides with providing and fixing C.I. manhole frame and coverin RCC1:2:4 copingor RCC1:2:4 proportionx15cm thick slab, etc complete as directed by Engineer-in-Charge.(Note:-Wall thick ness: 0.23M fordepth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover							
	Size 90cm x90cm,depth 1.2 M with 53 cm dia F&C,90 Kg	1	6		6.00	Each	12398.00	74388.00

A	Sup, & Filling moorum/river sand for pipe bedding, pover the pipe (including supply)	1	2600	0.50	0.15	195.00	Cum	864.00	168480.00
15	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering& shuttering.								
	1:3:6 (M-10)	1	2100	0.50	0.15	157.50	Cum	5216.00	821520.00
	1:31/2:3 (M-20)	1	2100	0.50	0.15	157.50	Cum	6545.00	1030837.50
16	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	2600	0.50	0.50	650.00	Cum	62.00	40300.00
	Item Rate								
1	Iterconnectiom fro, main pipe line (450mm Dia to 150mm Dia) inculding Concreate breaking Excavation JCB Work all Fitting materials (Tee,, Reducer etc.) & Labor charges for complation the job as per Engineer incharges	1	1			1.00	Cum	45000.00	45000.00
-	TOTAL RS. 5227413.								5. 5227413.50

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