

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. 1385 / ज.प्र. / 2024

सिस्टम टेंडर नं. 155667

कोरबा दिनांक 03.07.2024


## ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा 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 :-

क्र.	कार्य का नाम	प्राक्कलन राशि(लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (DD)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	कोरबा हाउसिंग बोर्ड कॉलोनी में 08 रथानों में यू.पी.एस. पाईप लाईन उपलब्ध एवं विद्युत का कार्य (15वें वित्त)	190.15	143000.00	06 माह	3000.00	वर्ग सी एवं प्रवर श्रेणी	25.07.2024 से .....

शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन 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 स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
  - 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 रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा क्रमांक 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 छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में फ्लाइंग एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा प्रपत्र फार्म -ए की कंडिका 11 अनुसार एस्कलेशन देय नहीं होगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

  
कार्यपालन अभियंता  
नगर पालिक निगम  
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

### Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		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 Submission	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.)**

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


## ESTIMATE


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


<b>PHE - UOSR Amendment 7-2022-23</b>									
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 engineer-in-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/Cm <sup>2</sup> )	1	900			900.00	mtr	545.00	490500.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	170			170.00	Each	34.00	5780.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	20			20.00	Each	505.00	10100.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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.								

	100 mm dia (10Kg/Cm2)	1	10			10.00	Each	94.00	940.00
	110 mm dia (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
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	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	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 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	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	Providing and fixing full way gate valve tested to 21.00kg/sq.cm. Conforming to IS 778/1984 (Reaffirmed 2005) Class-II								
	50mm dia	1	25			25.00	Each	1176.00	29400.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonry in C.M. 1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 M and 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	7			7.00	Each	12398.00	86786.00

	Supply & Filling moorum/river sand for pipe bedding over the pipe (including supply)	1	1600	0.50	0.15	120.00	Cum	864.00	103680.00
15	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering.								
	1:3:6 (M-10)	1	1600	0.50	0.15	120.00	Cum	5216.00	625920.00
	1:3 1/2:3 (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
<b>Item Rate</b>									
1	Interconnection fro. main pipe line ( 450mm Dia to 150mm Dia) including Concrete breaking Excavation JCB Work all Fitting materials ( Tee, Reducer etc.) & Labor charges for completion 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 completion the job as per Engineer incharges.	1	15			15.00	Cum	4100.00	61500.00
<b>TOTAL RS.</b>								<b>3538582.00</b>	

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

  
Asstt Engineer  
Municipal Corporation  
Korba (C.G.)

  
Executive Engineer  
Municipal Corporation  
Korba (C.G.)

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

## ESTIMATE

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

<b>PHE - UOSR Amendment 7-2022-23</b>									
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 engineer-in-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
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	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

	Providing and laying in position including following 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 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	3			3.00	Each	11054.00	33162.00
12	Providing and fixing full way gate valve tested to 21.00kg/sq.cm. Conforming to IS 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 masonry in C.M. 1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, 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	156480.00
	1:3 1/2:3 (M-20)	1	400	0.50	0.15	30.00	Cum	6545.00	196350.00

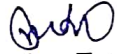
	ing available excavated earth in trenches, ad up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming.	1	400	0.50	0.50	100.00	Cum	62.00	6200.00
	<b>Item Rate</b>								
1	Iterconnection fro, main pipe line ( 450mm Dia to 150mm Dia) inculding Concrete breaking Excavation JCB 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.	1	15			15.00	Cum	4100.00	61500.00
<b>TOTAL RS.</b>									<b>917949.00</b>



Sub Engineer  
Municipal Corporation  
Korba (C.G.)



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



Executive Engineer  
Municipal Corporation  
Korba (C.G.)



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


## ESTIMATE

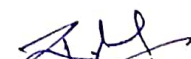
**Subject :- PROVIDING AND LAYING OF UPVC PIPES LINE IN 155 LIG-TYPE  
DINDATAL AWAS YOJNA AT SEMIPALI DARRI KORBA**

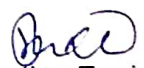
PHE - UOSR Amendment 7-2022-23									
SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineer-in-charge.	1	1600	0.50	0.20	160.00	Cum	1378.00	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)								
	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.								

	75 mm dia (10Kg/Cm2)	1	8			8.00	Each	94.00	752.00
	10 mm dia (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	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.								
	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	Providing and fixing fullway gate valve tested to 21.00kg/sq.cm. Conforming to IS 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 masonry in C.M.1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	6			6.00	Each	12398.00	74388.00

	15	Apply & Filling moorum/river sand for pipe bedding over the pipe (including supply)	1	1600	0.50	0.15	120.00	Cum	864.00	103680.00
		Providing & laying mechanically mixed cement 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
		1:3 1/2:3 (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
		<b>Item Rate</b>								
	1	Interconnection from main pipe line (450mm Dia to 150mm Dia) including Concrete breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for completion 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 completion the job as per Engineer incharges.	1	10			10.00	Cum	4100.00	41000.00
									<b>TOTAL RS.</b>	<b>3184690.50</b>

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

  
Executive Engineer  
Municipal Corporation  
Korba (C.G.)

# OFFICE OF THE 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**


<b>PHE - UOSR Amendment 7-2022-23</b>									
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 engineer-in-charge.	1	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/Cm <sup>2</sup> )	1	250			250.00	mtr	545.00	136250.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	60			60.00	Each	34.00	2040.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	20			20.00	Each	505.00	10100.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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.								

	110 mm dia (10Kg/Cm2)	1	6			6.00	Each	94.00	564.00
	100 mm dia (10Kg/Cm2)	1	6			6.00	Each	185.00	1110.00
	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	10			10.00	Each	106.00	1060.00
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	30			30.00	Each	168.00	5040.00
	160 mm dia (10Kg/Cm2)	1	25			25.00	Each	451.00	11275.00
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 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	3			3.00	Each	11054.00	33162.00
	150 mm dia (10Kg/Cm2)	1	2			2.00	Each	16861.00	33722.00
12	Providing and fixing full way gate valve tested to 21.00kg/sq.cm. Conforming to IS 778/1984 (Reaffirmed 2005) Class-II								
	50mm dia	1	15			15.00	Each	1176.00	17640.00
13	Providing and constructing Brick masonry valve chamber with 15cm thick 1:3:6 proportion PCC bedding excluding excavation, Brick masonry in C.M. 1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	5			5.00	Each	12398.00	61990.00

	Providing & Filling moorum/river sand for pipe bedding 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
	1:3 1/2:3 (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
	<b>Item Rate</b>								
1	Interconnection fro, main pipe line ( 450mm Dia to 150mm Dia) including Concrete 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			15.00	Cum	4100.00	61500.00
<b>TOTAL RS.</b>									<b>1565574.00</b>

  
 Sub Engineer  
 Municipal Corporation  
 Korba (C.G.)

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

  
 Executive Engineer  
 Municipal Corporation  
 Korba (C.G.)

# OFFICE OF THE 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**

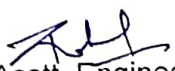
<b>PHE - UOSR Amendment 7-2022-23</b>									
SN	ITEM	No.	L	W	Q	QTY	UNIT	RATE	AMOUNT
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of engineer-in-charge.	1	780	0.50	0.20	78.00	Cum	1378.00	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/Cm <sup>2</sup> )	1	380			380.00	mtr	545.00	207100.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	75			75.00	Each	34.00	2550.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	15			15.00	Each	505.00	7575.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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/Cm <sup>2</sup> )	1	15			15.00	Each	318.00	4770.00
	160 mm dia (10Kg/Cm <sup>2</sup> )	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.								

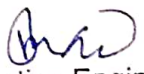
	10 mm dia (10Kg/Cm2)	1	12			12.00	Each	94.00	1128.00
	10 mm dia (10Kg/Cm2)	1	6			6.00	Each	185.00	1110.00
	160 mm dia (10Kg/Cm2)	1	4			4.00	Each	509.00	2036.00
8	Providing and laying in position including testing following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.								
	110 mm dia (10Kg/Cm2)	1	10			10.00	Each	106.00	1060.00
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	35			35.00	Each	168.00	5880.00
	160 mm dia (10Kg/Cm2)	1	25			25.00	Each	451.00	11275.00
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 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	Providing and fixing full way gate valve tested to 21.00kg/sq.cm. Conforming to IS 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 masonry in C.M. 1:5 proportion 12mm thick cement plaster in 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	4			4.00	Each	12398.00	49592.00



	& Filling moorum/river sand for pipe bedding 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
	1:3:1 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	780	0.50	0.50	195.00	Cum	62.00	12090.00
<b>Item Rate</b>									
1	Interconnection fro. main pipe line ( -450mm Dia to 150mm Dia) including Concrete 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	7			7.00	Cum	4100.00	28700.00
<b>TOTAL RS.</b>									<b>1741840.75</b>

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

  
Executive Engineer  
Municipal Corporation  
Korba (C.G.)

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

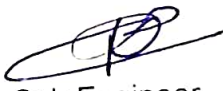
## ESTIMATE


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


<u>PHE - UOSR Amendment 7-2022-23</u>									
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 engineer-in-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)	1	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)								
	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 testing following PVC bends suitable for 6, 8 and 10 Kg/Sq. cm. pressure pipes.								
	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
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	5			5.00	Each	318.00	1590.00
	160 mm dia (10Kg/Cm2)	1	3			3.00	Each	846.00	2538.00
7	Providing and laying in position including testing following PVC flanged tail pieces suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								

	70 (10Kg/Cm2)	1	6			6.00	Each	94.00	564.00
	10 mm dia (10Kg/Cm2)	1	4			4.00	Each	185.00	740.00
	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	10			10.00	Each	106.00	1060.00
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	20			20.00	Each	168.00	3360.00
	160 mm dia (10Kg/Cm2)	1	20			20.00	Each	451.00	9020.00
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 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	Providing and fixing fullway gate valve tested to 21.00kg/sq.cm. Conforming to IS 778/1984 (Reaffirmed 2005) Class-II								
	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 masonry in C.M.1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thick ness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	4			4.00	Each	12398.00	49592.00

	Providing & Filling moorum/river sand for pipe bedding 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
	1:3 1/2:3 (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 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.								
	450 mm Dia	1	2			2.00	Each	19791.00	39582.00
<b>Item Rate</b>									
1	Interconnection fro, main pipe line ( 450mm Dia to 150mm Dia) including Concrete breaking Excavation JCB Work all Fitting materials ( Tee, Reducer etc.) & Labor charges for completion 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 completion the job as per Engineer incharges.	1	12			12.00	Cum	4100.00	49200.00
<b>TOTAL RS.</b>									<b>1726328.75</b>

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

  
Executive Engineer  
Municipal Corporation  
Korba (C.G.)

# OFFICE OF THE 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**

**PHE - 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 engineer-in-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

	ing and laying in position including m PVC coupler suitable for 6, 8 and 10 g/Sq. cm. Pressure pipes.								
	160 mm dia (10Kg/Cm2)	1	15			15.00	Each	451.00	6765.00
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	3			3.00	Each	8225.00	24675.00
	100 mm dia (10Kg/Cm2)	1	5			5.00	Each	11054.00	55270.00
	150 mm dia (10Kg/Cm2)	1	1			1.00	Each	16861.00	16861.00
12	Providing and fixing fullway gate valve tested to 21.00kg/sq.cm. Conforming to IS 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 masonry in C.M. 1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab. etc complete as directed by Engineer-in-Charge. (Note:-Wall thick ness: 0.23M for depth of 1.2 Mand 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, 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
	1:3 1/2:3 (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

	ing and Laying including testing Iron Mechanical joint collar with 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							
	450 mm Dia	1	2		2.00	Each	19791.00	39582.00
	<b>Item Rate</b>							
1	Interconnection fro. main pipe line ( 450mm Dia to 150mm Dia) inculding Concrete 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	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
							<b>TOTAL RS.</b>	<b>1112769.25</b>



Sub Engineer  
Municipal Corporation  
Korba (C.G.)



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



Executive Engineer  
Municipal Corporation  
Korba (C.G.)

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

## ESTIMATE


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


PHE - 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 engineer-in- 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 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	1648000.00
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	185			185.00	Each	34.00	6290.00
	160 mm dia (10Kg/Cm2)	1	250			250.00	Each	50.00	12500.00
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	30			30.00	Each	505.00	15150.00
	160 mm dia (10Kg/Cm2)	1	20			20.00	Each	1626.00	32520.00
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	20			20.00	Each	318.00	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 suitable for 6, 8 and 10 Kg./Sq. cm. Pressure pipes.								

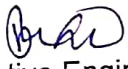


	100 mm dia (10Kg/Cm2)	1	4			4.00	Each	94.00	376.00
	110 mm dia (10Kg/Cm2)	1	8			8.00	Each	185.00	1480.00
	160 mm dia (10Kg/Cm2)	1	4			4.00	Each	509.00	2036.00
8	Providing and laying in position including testing following PVC end Cap (plugs) suitable for 6, 8 and 10 Kg/Sq cm. Pressure pipes.								
	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								
	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	Providing and fixing full way gate valve tested to 21.00kg/sq.cm. Conforming to IS 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 masonry in C.M. 1:5 proportion 12mm thick cement plaster in cm 1:4 proportion on both sides with providing and fixing C.I. manhole frame and cover in RCC 1:2:4 coping or RCC 1:2:4 proportion x 15cm thick slab, etc complete as directed by Engineer-in-Charge. (Note:- Wall thickness: 0.23M for depth of 1.2 M and 0.35 M for balance depth exceeding 1.2M). Valve chamber with CI Frame & Cover								
	Size 90cm x 90cm, depth 1.2 M with 53 cm dia F&C, 90 Kg	1	6			6.00	Each	12398.00	74388.00

	Supply & Filling moorum/river sand for pipe bedding over 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
	1:3 1/2:3 (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
<b>Item Rate</b>									
1	Interconnection from main pipe line (450mm Dia to 150mm Dia) including Concrete breaking Excavation JCB Work all Fitting materials (Tee, Reducer etc.) & Labor charges for completion the job as per Engineer incharge	1	1			1.00	Cum	45000.00	45000.00
<b>TOTAL RS.</b>									<b>5227413.50</b>

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

  
Executive Engineer  
Municipal Corporation  
Korba (C.G.)