



## Detailed Estimate

Irrigation & Water Resources Department, Haryana



Office Name:

Division : LWS Divn. Chakhi Dadri[L.W.S. Divn. Ch-Dadri]

Circle :LWS Circle Bhiwani[LWS CIRCLE, BHIWANI]

Name of Work -{Code}:

LAYING UNDERGROUND RCC PIPELINE 350 MM DIA  
NP3 PIPE TO RECHARGE 3 NOS RECHARGE  
WELL IN MANDI HARIYA VILLAGE [IRR/2023-24/88770]

Estimate Cost:

Rs. 33.36 Lakhs [Adm. Approved Status : Yes, 22/08/2023]

Technical Approval Cost:

Rs. 31.68 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹26,62,428	₹5,05,861	₹31,68,289
<b>Total</b>	<b>₹26,62,428</b>	<b>₹5,05,861</b>	<b>₹31,68,289</b>

Estimate Prepared By:

Name: SATYENDER KUMAR

Designation: Executive Engineer

Days in which work is likely  
to be completed:

240 Days

Location of Estimate

Village:MANDHI HARIYA

Assembly Constituency:

BADHRA

District:

CHARKHI DADRI

Work Category:

Other



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Irrigation & Water Resources Department, Haryana



**Work Name: LAYING UNDERGROUND RCC PIPELINE 350 MM DIA NP3 PIPE TO RECHARGE 3 NOS RECHARGE WELL IN MANDI HARIYA VILLAGE**

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
<b>Main-Component : 3 NOS RECHARGE WELL</b>							
<b>Sub-Component :- RECHARGE WELL IN MANDI HARIYA IN DARK ZONE</b>							
1	HSR	HSR Item <b>6.35.1</b> -Steel reinforcement for R.C.C. work ready to use 'cut and bend' rebars of approved make from factory/workshop to construction site including placing in position and binding all complete up to plinth level. 1. Thermo-Mechanically Treated bars of grade Fe-500D or more. <b>HSR Rate(Rs.) 63.00 Through Rate</b>	Kg.	799.380	63.00	50361	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for cover 12 mm dia @ 150 mm cc	18.00/44.410	0.000	0.000	0.000	799.380
							<b>799.380</b>
2	HSR	HSR Item <b>21.28</b> -Providing and fixing steel bar embedded plastic steps of size 263mm x 165mm of orange colour, confirming to specification in pump chambers, manholes etc., having minimum 3mm thick polypropylene polymer confirming to is:10910 encapsulated on 12mm dia ribbed steel bars per IS :1786. The rate include cost of setting the same to correct lines and levels duly embedded in 1:2:4 cement concrete including carriage, loading, unloading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge <b>HSR Rate(Rs.) 298.00 Through Rate</b>	Each	360.000	298.00	107280	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		hoddi step 20 per hoddi	18.00/20.000	0.000	0.000	0.000	360.000
							<b>360.000</b>
3	HSR	HSR Item <b>11.5.3</b> -12 mm cement plaster of mix : 3. 1:4 (1 cement: 4 fine sand) <b>HSR Rate(Rs.) 84.00 Through Rate</b>	Sqm	306.791	84.00	25770	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		HODDI INNER SIDE	18.00	4.877	3.353	0.000	294.317
		HODDI BED	18.00	1.219	1.219	0.000	26.756
		D/D FOR PIPE	72.00	0.829	0.239	0.000	-14.282
							<b>306.791</b>
4	HSR	HSR Item <b>7.20.1</b> -Brick work with common burnt clay modular bricks of class designation 10.5 in foundation and plinth in: 1. Cement mortar 1:4 (1 cement : 4 coarse sand) <b>HSR Rate(Rs.) 3877.00 Through Rate</b>	cum	178.390	3877.00	691618	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		1st footing long wall	36.00	2.362	0.573	0.914	44.558
		1st footing short wall	36.00	1.219	0.573	0.914	22.998
		2nd footing long wall	36.00	2.134	0.457	0.914	32.111
		2nd footing short wall	36.00	1.219	0.457	0.914	18.349

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		3rd footing long wall	36.00	1.920	0.351	1.524	36.928
		3rd footing short wall	36.00	1.219	0.351	1.524	23.446
							<b>178.390</b>
5	HSR	HSR Item <b>6.14.2</b> -Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 2. 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) <b>HSR Rate(Rs.) 3875.00 Through Rate</b>	cum	8.497	3875.00	32926	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for hoddi cover	18.00	1.920	1.920	0.128	8.497
							<b>8.497</b>
6	HSR	HSR Item <b>21.95.1</b> -Providing lowering cutting jointing and testing RCC pipe class NP3 as per IS-458-2003 with spigot and socketed joints manufactured with ISI marked sulphate resistance cement as per ISI 12330 with rubber rings ISI marked antitermite as required at site in to trenches for all depths and laying out the same to correct alignment gradients and levels including dressing and trimming and cutting of concrete beds and side of trenches, if required jointing with rubber rings in trenches and jointing with 1:3/2 cement sand mortar and with end dowels filled with 1:3/2 cement sand mortar and finishing the joints at an angle of 45 degree with faces of spigot of socket joints cutting and finishing the cut surface to a uniform finish etc. as fully described in item No. 21.38, item 21.44, item 21.45, and item 21.46 including cartage loading and unloading complete in all respects. the internal diametric of the sewer being: 1. 350 mm <b>HSR Rate(Rs.) 991.00 Through Rate</b>	Per Metre	1450.238	991.00	1437186	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		350 MM NP3 PIPE FOR 3 NOS WELL 1530FT , 2650 FT, 650 FT=4830- (18 X 4 )=4758 FT	1.00	1450.238	0.000	0.000	1450.238
							<b>1450.238</b>
7	HSR	HSR Item <b>4.16.1.3</b> -Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : 1.3. Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm <b>HSR Rate(Rs.) 86.00 Through Rate</b>	Metre	1374.240	86.00	118185	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		pipeline length for excavation 650 FT=198.17 mtr (-) 2x5.44=187.29	1.00	187.290	0.000	0.000	187.290
		pipeline length for excavation 1530 FT =466.46 (-) 6x5.44=433.82 mtr	1.00	433.820	0.000	0.000	433.820
		pipeline length for excavation 2650 FT or 807.93 mtr (-) 10x5.44=54.40=753.13	1.00	753.130	0.000	0.000	753.130
							<b>1374.240</b>

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
8	HSR	HSR Item <b>4.12.1</b> -Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge. 1. All kinds of soil <b>HSR Rate(Rs.) 78.00 Through Rate</b>	cum	1521.795	78.00	118700	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		for hoddi foundation	18.00	5.444	5.444	2.853	1521.795
							<b>1521.795</b>
9	HSR	HSR Item <b>6.1.4</b> -Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work below plinth level and up to Floor IV level: 4. 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size) <b>HSR Rate(Rs.) 2911.00 Through Rate</b>	cum	27.620	2911.00	80402	
		<b>Description</b>	<b>No./Qty</b>	<b>Length</b>	<b>Breadth</b>	<b>Depth</b>	<b>Total Qty</b>
		hoddi foundation	18.00	2.591	2.591	0.229	27.620
							<b>27.620</b>
		<b>Sub-Component Total Amount</b>				<b>2662428</b>	
		<b>Component Total Amount</b>				<b>2662428</b>	
		<b>Grand Total</b>				<b>2662428</b>	

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**WORK NAME: LAYING UNDERGROUND RCC PIPELINE 350 MM DIA NP3 PIPE TO RECHARGE 3 NOS RECHARGE WELL IN MANDI HARIYA VILLAGE**

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	<b>Main-Component : 3 NOS RECHARGE WELL</b>			
	<b>Sub-Component:</b> RECHARGE WELL IN MANDI HARIYA IN DARK ZONE	26,62,428	5,05,861	31,68,289
	<b>Main Component Total</b>	<b>₹26,62,428</b>	<b>₹5,05,861</b>	<b>₹31,68,289</b>
	<b>Grand Total</b>	<b>₹26,62,428</b>	<b>₹5,05,861</b>	<b>₹31,68,289</b>

Executive Engineer  
IRRIGATION Division  
LWS Divn. Chakhi Dadri[L.W.S. Divn. Ch-Dadri]

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