



Detailed Estimate

Irrigation & Water Resources Department, Haryana



Office Name:

Division : Mahendragarh WS Divn Mahendragarh[M/Garh W.S. Divn. M/Garh]

Circle :JLN W.S. Circle Narnaul[JLN CIRCLE, NARNAUL]

Name of Work -{Code}:

Rough Cost Estimate of Laying RCC pipeline for connecting village pond Israna off taking from 10.700/R of Nangal disty.(Under Atal Bhujal Yojna) [IRR/2023-24/69631]

Estimate Cost:

Rs. 18.72 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 18.10 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹15,21,286	₹2,89,044	₹18,10,331
Total	₹15,21,286	₹2,89,044	₹18,10,331

Days in which work is likely to be completed:

270 Days

Location of Estimate

Village:ISRANA

Assembly Constituency:

ATELI

District:

MAHENDRAGARH

Work Category:

Other

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Work Name: Rough Cost Estimate of Laying RCC pipeline for connecting village pond Israna off taking from 10.700/R of Nangal disty.(Under Atal Bhujal Yojna)

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
Main-Component : RCC pipeline, brickwork, earthwork							
Sub-Component :- RCC pipeline, brickwork, earthwork							
1	HSR	HSR Item 11.5.3 -12 mm cement plaster of mix : 3. 1:4 (1 cement: 4 fine sand) HSR Rate(Rs.) 84.00 Through Rate	Sqm	233.790	84.00	19638	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		inside hodi wall	40.00	3.401	1.219	0.000	165.833
		outside hodi wall	40.00	1.921	0.914	0.000	70.232
		D/d for pipe section	20.00	0.239	0.476	0.000	-2.275
							233.790
2	HSR	HSR Item 6.1.6 -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: 6. 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size) HSR Rate(Rs.) 2442.00 Through Rate	cum	7.964	2442.00	19448	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		below hodi	10.00	2.286	2.286	0.152	7.964
							7.964
3	HSR	HSR Item 4.16.1.2 -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 : 1.2. Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia HSR Rate(Rs.) 62.00 Through Rate	Metre	1663.550	62.00	103140	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		D/d of Hodi	10.00	3.645	0.000	0.000	-36.450
		For pipeline	1.00	1700.000	0.000	0.000	1700.000
							1663.550
4	HSR	HSR Item 6.34.3 -Steel reinforcement for R.C.C. work, where not included in the complete rate of RCC, including straightening, cutting, bending, placing in position, binding, wastage, overlaps, welded joints, spacer bars, chairs, stays, hangers and annealed steel wire etc. complete in all respect above plinth level. 3. Cold twisted bars HSR Rate(Rs.) 61.00 Through Rate	Kg.	331.000	61.00	20191	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		steel	1.00/331.000	0.000	0.000	0.000	331.000
							331.000

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
5	HSR	HSR Item 6.1.4 -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) HSR Rate(Rs.) 2911.00 Through Rate	cum	111.174	2911.00	323628	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>hodi top wall</i>	20.00	1.920	0.351	0.076	1.027
		<i>hodi top wall</i>	20.00	1.219	0.351	0.076	0.652
		<i>hodi bed</i>	10.00	1.219	1.219	0.101	1.495
		<i>for road</i>	3.00	16.000	3.000	0.750	108.000
							111.174
6	HSR	HSR Item 21.28 -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, uploading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge HSR Rate(Rs.) 298.00 Through Rate	Each	80.000	298.00	23840	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>step</i>	1.00/80.000	0.000	0.000	0.000	80.000
							80.000
7	HSR	HSR Item 20.62.3 -Providing, lowering, laying, cutting (cut surface to be uniformly finished), jointing with rubber rings marked with IS : 5382 and testing of SPIGOT AND SOCKETTED RCC, NP2 MARKED WITH IS : 458-1988 and specials into trenches for all depths including carriage, loading, unloading, stacking, handling, re-handling etc. complete is all respects to the satisfaction to the Engineer - in-charge. 3. 300 mm i/d HSR Rate(Rs.) 384.00 Through Rate	Per Metre	1687.810	384.00	648119	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>D/d of Hodi</i>	10.00	1.219	0.000	0.000	-12.190
		<i>pipe</i>	1.00	1700.000	0.000	0.000	1700.000
							1687.810
8	HSR	HSR Item 4.12.1 -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 HSR Rate(Rs.) 78.00 Through Rate	cum	360.848	78.00	28146	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>For Hodi</i>	10.00	3.645	3.645	2.716	360.848
							360.848

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
9	HSR	HSR Item 6.43 -Providing, hoisting and fixing above plinth level up to floor four level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size). HSR Rate(Rs.) 4174.00 Through Rate	cum	3.723	4174.00	15540	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		For Hodi cover	20.00	1.920	0.960	0.101	3.723
							3.723
10	HSR	HSR Item 7.21.1 -Brick work with common burnt clay non-modular bricks of class designation 10.5 in foundation and plinth in: 1. Cement mortar 1:4 (1 cement : 4 coarse sand) HSR Rate(Rs.) 3693.00 Through Rate	cum	86.097	3693.00	317956	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		1st long wall hodi	20.00	2.134	0.457	1.219	23.776
		1st short wall hodi	20.00	1.219	0.457	1.219	13.582
		2nd long wall hodi	20.00	1.920	0.351	2.259	30.448
		2nd short wall hodi	20.00	1.219	0.351	2.259	19.331
		D/d of pipe section	20.00	0.239	0.476	0.457	-1.040
							86.097
11	HSR	HSR Item 9.57.3 -Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 3. 150 mm diameter HSR Rate(Rs.) 269.00 Through Rate	Metre	6.097	269.00	1640	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		pipe for connection of 1st hodi	1.00	6.097	0.000	0.000	6.097
							6.097
		Sub-Component Total Amount				1521286	
		Component Total Amount				1521286	
		Grand Total				1521286	

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WORK NAME: Rough Cost Estimate of Laying RCC pipeline for connecting village pond Israna off taking from 10.700/R of Nangal disty.(Under Atal Bhujal Yojna)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : RCC pipeline, brickwork, earthwork			
	Sub-Component: RCC pipeline, brickwork, earthwork	15,21,286	2,89,044	18,10,331
	Main Component Total	₹15,21,286	₹2,89,044	₹18,10,331
	Grand Total	₹15,21,286	₹2,89,044	₹18,10,331

Executive Engineer
IRRIGATION Division
Mahendragarh WS Divn Mahendragarh
[M/Garh W.S. Divn. M/Garh]

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Detailed Estimate Abstract Cost (in Rs.)					
Sr. No.	HSR Amount	NS Amount	Permission from Other Department	All Charges	Total Amount
1.	15,21,286.35	0.00	0.00	289044.40	18,10,330.76
Total :-	15,21,286	0	0	289044	18,10,331

Package-Wise Abstract Cost (in Rs.)					
Sr. No.	Package Description	HSR Amount	NS Amount	Total Amount	No. of days require for Completion of this Package by Contractor from dt. of start of work.
1.	Package 1 -(Component-1). RCC pipeline, brickwork, earthwork	15,21,286.35	0.00	15,21,286.35	240
Total :-		15,21,286	0.00	15,21,286	

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