



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 for Laying RCC pipeline for connecting Village Pond Meghanwas from Km. 1.400/R of Bucholi Disty. and Excavation of Pond (Excavation of Pond). [IRR/2023-24/68940]

Estimate Cost:

Rs. 34.12 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 26.82 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹22,53,899	₹4,28,241	₹26,82,140
Total	₹22,53,899	₹4,28,241	₹26,82,140

Days in which work is likely to be completed:

105 Days

Location of Estimate

Village:MEGHANWAS

Assembly Constituency:

MAHENDERGARH

District:

MAHENDRAGARH

Work Category:

Other

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
	Main-Component : Pipeline and Brickwork						
	Sub-Component :- Pipeline and Brickwork						
1	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	30.800	2911.00	89659	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		On top of inclined wall	2.00	9.144	0.351	0.076	0.488
		Top of Hodi walls	7.00	6.279	0.351	0.076	1.174
		Bed of Hodi	7.00	1.219	1.219	0.076	0.793
		Top of End wall	1.00	1.372	0.457	0.076	0.048
		khurra Inclined wall	1.00	9.144	1.524	0.152	2.118
		collar joint	462.00	0.533	0.533	0.457	60.097
		D/d for collar joint	462.00	0.161	1.000	0.456	-33.918
							30.800
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	14.081	2442.00	34386	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Below Hodies	7.00	3.231	3.231	0.152	11.107
		End Wall	1.00	1.524	0.610	0.152	0.142
		Khurra Bed	1.00	1.524	1.524	0.305	0.708
		For Khurra Inclined wall	1.00	9.144	1.524	0.152	2.124
							14.081
3	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	9.144	269.00	2460	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Pipe for Connecting 1st Hodi to Channel	1.00	9.144	0.000	0.000	9.144
							9.144

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
4	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	56.000	298.00	16688	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Steps in Hodi ,8 steps in 1	7.00/8.000	0.000	0.000	0.000	56.000
							56.000
5	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	1118.303	62.00	69335	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Deduction Hodi length	7.00	5.357	0.000	0.000	-37.499
		Trench Length	1.00	1155.802	0.000	0.000	1155.802
							1118.303
6	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	1155.802	384.00	443828	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi length Deduction	7.00	1.219	0.000	0.000	-8.534
		Length of pipeline	1.00	1164.336	0.000	0.000	1164.336
							1155.802
7	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	119.780	3693.00	442348	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Deduction pipe section in End Wall	1.00	0.161	1.000	0.457	-0.074
		Hodi wall	7.00	7.681	0.701	0.762	28.722
		Hodi wall	7.00	7.193	0.579	0.914	26.664
		Hodi wall	7.00	6.706	0.457	1.814	38.896

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Hodi wall	7.00	6.279	0.351	1.524	23.479
		End Wall	1.00	1.372	0.457	1.524	0.956
		Inclined wall	2.00	9.144	0.351	0.381	2.442
		Deduction pipe section	14.00	0.161	1.000	0.579	-1.305
							119.780
8	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	235.465	84.00	19779	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi inner side walls	7.00	4.877	4.939	0.000	168.613
		Hodi outside walls	7.00	7.681	0.914	0.000	49.164
		End Wall	2.00	1.372	1.524	0.000	4.181
		Inclined wall side walls	4.00	9.144	0.381	0.000	13.935
		Deduction pipe section	14.00	0.239	0.476	0.000	-1.593
		End Wall front sides	2.00	1.524	0.457	0.000	1.393
		Deduction pipe section in End Wall both side	2.00	0.239	0.476	0.000	-0.228
							235.465
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	1.967	4174.00	8210	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Covers of Hodi	14.00	1.920	0.960	0.076	1.967
							1.967
10	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	14314.515	78.00	1116532	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		khurra inclined wall	1.00	9.144	1.524	0.610	8.501
		khurra Bed	1.00	1.524	1.524	0.503	1.168
		For hodies	7.00	5.360	5.360	4.250	854.706
		End Wall	1.00	1.524	0.610	0.610	0.567
		For Pond	1.00	60.960	60.960	3.962	14723.274

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Deduction already Existing pond	1.00	45.720	30.480	0.914	-1273.701
							14314.515
11	HSR	HSR Item 6.33.6 -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 below plinth level 6. Thermo-Mechanically Treated bars of grade Fe-500D or more. HSR Rate(Rs.) 61.00 Through Rate	Kg.	175.000	61.00	10675	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		89kg/cum , taken 89 times of itm 6.43	1.00/175.000	0.000	0.000	0.000	175.000
							175.000
		Sub-Component Total Amount				2253899	
		Component Total Amount				2253899	
		Grand Total				2253899	

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WORK NAME: Rough Cost Estimate for Laying RCC pipeline for connecting Village Pond Meghanwas from Km. 1.400/R of Bucholi Disty. and Excavation of Pond (Excavation of Pond).

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : Pipeline and Brickwork			
	Sub-Component: Pipeline and Brickwork	22,53,899	4,28,241	26,82,140
	Main Component Total	₹22,53,899	₹4,28,241	₹26,82,140
	Grand Total	₹22,53,899	₹4,28,241	₹26,82,140

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.	22,53,899.13	0.00	0.00	428240.83	26,82,139.96
Total :-	22,53,899	0	0	428241	26,82,140

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). Pipeline and Brickwork	22,53,899.13	0.00	22,53,899.13	60
Total :-		22,53,899	0.00	22,53,899	

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