



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}:

Estimate for Laying of RCC pipeline for connecting village pond Palri Panihara from km 7.900/R of Mgarh Disty and Excavation of pond.(Under Atal Bhujal Yojna). **[IRR/2023-24/72316]**

Estimate Cost:

Rs. 22.52 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 19.22 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹16,15,124	₹3,06,874	₹19,21,998
Total	₹16,15,124	₹3,06,874	₹19,21,998

Days in which work is likely to be completed:

105 Days

Location of Estimate

Village:PALRI PANIHAR

Assembly Constituency:

MAHENDERGARH

District:

MAHENDRAGARH

Work Category:

Other



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Work Name: Estimate for Laying of RCC pipeline for connecting village pond Palri Panihara from km 7.900/R of Mgarh Disty and Excavation of pond.(Under Atal Bhujal Yojna).

ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
Main-Component : Pipeline 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	2.219	2911.00	6460	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		top of Hodi walls	6.00	6.280	0.351	0.076	1.005
		Top of Endwall	1.00	1.372	0.457	0.076	0.048
		Top of Khurra Inclined walls	2.00	9.144	0.351	0.076	0.488
		Hodi Bed	6.00	1.219	1.219	0.076	0.678
							2.219
2	HSR	HSR Item 7.2.1 -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	56.892	3693.00	210102	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		End Wall	1.00	1.372	1.067	0.457	0.669
		Inclined Walls	2.00	9.144	0.351	0.381	2.442
		D/d Pipe section in hodi	12.00	0.126	1.000	0.457	-0.691
		Hodi 1st L.Wall	12.00	2.134	0.457	1.219	14.266
		Hodi 1st S.Wall	12.00	1.219	0.457	1.219	8.149
		Hodi 2nd S.Wall	12.00	1.219	0.351	2.429	12.472
		Hodi 2nd L.Wall	12.00	1.920	0.351	2.429	19.643
		D/d Pipe section in End wall	1.00	0.126	1.000	0.457	-0.058
							56.892
3	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	1392.680	384.00	534789	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		length	1.00	1400.000	0.000	0.000	1400.000

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		D/d	6.00	1.220	0.000	0.000	-7.320
							1392.680
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	24.000	298.00	7152	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		P/F Steel embedded plastic steps	6.00/4.000	0.000	0.000	0.000	24.000
							24.000
5	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.	117.600	61.00	7174	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		steel r/f weight	70.00/1.680	0.000	0.000	0.000	117.600
							117.600
6	HSR	HSR Item 10.33.1 -Providing and laying of brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1. 1:4 (1 cement : 4 coarse sand) HSR Rate(Rs.) 577.00 Through Rate	Sqm	8.459	577.00	4881	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		on slopping khurra	1.00	9.144	0.671	0.000	6.136
		on khurra pond bed	1.00	1.524	1.524	0.000	2.323
							8.459
7	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	154.617	84.00	12988	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi inside wall	24.00	1.219	3.573	0.000	104.532
		End wall	1.00	0.671	1.067	0.000	0.716
		Hodi outside wall	24.00	1.569	0.914	0.000	34.418
		slopping wall	4.00	9.144	0.457	0.000	16.715
		D/d of pipe section in hodi	12.00	0.126	1.000	0.000	-1.512

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		D/d of pipe section in end wall	2.00	0.126	1.000	0.000	-0.252
							154.617
8	HSR	HSR Item 4.17 -Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth up to 1.5 metre). HSR Rate(Rs.) 3.00 Through Rate	Metre	1381.964	3.00	4146	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		pipeline	1.00	1400.000	0.000	0.000	1400.000
		D/d	6.00	3.006	0.000	0.000	-18.036
							1381.964
9	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	1381.964	62.00	85682	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		pipeline	1.00	1400.000	0.000	0.000	1400.000
		D/d	6.00	3.006	0.000	0.000	-18.036
							1381.964
10	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	7.746	2442.00	18916	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Below Hodi	6.00	2.286	2.286	0.152	4.778
		End Wall	1.00	1.524	0.610	0.152	0.142
		For Khurra Inclined portion	1.00	9.144	1.524	0.152	2.118
		Pond Bed Khurra	1.00	1.524	1.524	0.305	0.708
							7.746

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
11	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	1.681	4174.00	7016	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi Cover	12.00	1.920	0.960	0.076	1.681
							1.681
12	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	162.346	78.00	12663	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		For Hodi	6.00	3.006	3.006	2.886	156.468
		For End Wall	1.00	1.524	0.610	0.610	0.567
		For Khurra Inclined	1.00	9.144	1.524	0.305	4.250
		For Khura Bed	1.00	1.524	1.524	0.457	1.061
							162.346
13	HSR	HSR Item 4.14.1 -Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 1. All kinds of soil. HSR Rate(Rs.) 83.00 Through Rate	cum	8449.727	83.00	701327	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		For Pond Excavation	1.00	44.500	44.500	4.267	8449.727
							8449.727
14	HSR	HSR Item 9.57.2 -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. 2. 110 mm diameter HSR Rate(Rs.) 200.00 Through Rate	Metre	9.144	200.00	1829	
		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
		Sub-Component Total Amount				1615124	
		Component Total Amount				1615124	
		Grand Total				1615124	

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WORK NAME: Estimate for Laying of RCC pipeline for connecting village pond Palri Panihara from km 7.900/R of Mgarh Disty and Excavation of pond.(Under Atal Bhujal Yojna).

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : Pipeline Brickwork			
	Sub-Component: pipeline and brickwork	16,15,124	3,06,874	19,21,998
	Main Component Total	₹16,15,124	₹3,06,874	₹19,21,998
	Grand Total	₹16,15,124	₹3,06,874	₹19,21,998

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.	16,15,124.07	0.00	0.00	306873.57	19,21,997.64
Total :-	16,15,124	0	0	306874	19,21,998

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 Brickwork	16,15,124.07	0.00	16,15,124.07	120
Total :-		16,15,124	0.00	16,15,124	

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