



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 RCC pipeline for connecting Village Pond Partal from km. 8.750/L of Rambass Disty. and Excavation of Pond. (Under Atal Bhujal Yojna) [IRR/2023-24/68947]

Estimate Cost:

Rs. 41.97 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 34.73 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹29,18,189	₹5,54,456	₹34,72,645
Total	₹29,18,189	₹5,54,456	₹34,72,645

Days in which work is likely to be completed:

105 Days

Location of Estimate

Village:PARTAL

Assembly Constituency:

ATELI

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	42.691	2911.00	124274	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		On top of side wall of inclined walls	2.00	9.144	0.351	0.076	0.488
		Top of Hodi wall	11.00	6.279	0.351	0.076	1.842
		Top of End wall	1.00	1.372	0.457	0.076	0.048
		Top of Khurra Inclined portion	1.00	9.144	1.524	0.152	2.118
		Bed of Hodi	11.00	1.220	1.220	0.076	1.244
		Collar joint	655.00	0.533	0.533	0.457	85.038
		Deduction pipe section in collar Joint	655.00	0.161	1.000	0.456	-48.087
							42.691
2	HSR	HSR Item 5.1.2 -Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : 2. In cement mortar HSR Rate(Rs.) 669.00 Through Rate	cum	5.101	669.00	3413	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Road Cutting	1.00	9.144	1.829	0.305	5.101
							5.101
3	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	295.129	3693.00	1089911	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi wall	11.00	6.706	0.457	2.783	93.818
		Hodi wall	11.00	7.681	0.701	0.762	45.132
		Hodi wall	11.00	7.193	0.579	0.914	41.872
		Hodi wall	11.00	6.279	0.351	1.524	36.947
		Inclined wall	2.00	9.144	0.351	0.381	2.446
		Deduction pipe section in hodi	22.00	0.161	0.476	1.000	-1.686
		Deduction pipe section in End Wall	1.00	0.161	0.476	1.000	-0.077

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		Hodi wall	9.00	6.706	0.457	2.780	76.677
							295.129
4	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	410.235	84.00	34460	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Deduction pipe section in End Wall both side	2.00	0.161	0.476	0.000	-0.153
		Hodi Inner side wall	11.00	5.904	4.877	0.000	316.732
		End Wall sides	2.00	1.372	1.524	0.000	4.182
		Hodi Outside walls	11.00	7.681	0.914	0.000	77.225
		Deduction pipe section in hodi	22.00	0.161	0.476	0.000	-1.686
		Inclined wall side walls	4.00	9.144	0.381	0.000	13.935
							410.235
5	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	3.082	4174.00	12864	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Covers of Hodi	22.00	1.920	0.960	0.076	3.082
							3.082
6	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 required 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.)	
7	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, unloading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge HSR Rate(Rs.) 298.00 Through Rate	Each	88.000	298.00	26224	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Steps In Hodi , 8 in 1	11.00/8.000	0.000	0.000	0.000	88.000
							88.000
8	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	1632.500	384.00	626880	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Pipeline length	1.00	1645.920	0.000	0.000	1645.920
		Deduction Hodi Length	11.00	1.220	0.000	0.000	-13.420
							1632.500
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	1539.561	62.00	95453	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Trench Length	1.00	1632.500	0.000	0.000	1632.500
		Deduction Hodi Length	11.00	8.449	0.000	0.000	-92.939
							1539.561
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	20.422	2442.00	49871	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		End Wall	1.00	1.524	0.610	0.152	0.141
		For Khurra Inclined portion	1.00	9.144	1.524	0.152	2.118
		Khurra Bed	1.00	1.524	1.524	0.305	0.708

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
		<i>Below Hodi</i>	11.00	3.231	3.231	0.152	17.455
							20.422
11	HSR	HSR Item 6.1.3 -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: 3. 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size) HSR Rate(Rs.) 3426.00 Through Rate	cum	5.101	3426.00	17476	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>Road maintenance at crossing</i>	1.00	9.144	1.829	0.305	5.101
							5.101
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	10489.388	78.00	818172	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>For End wall</i>	1.00	1.524	0.610	0.610	0.567
		<i>For Khurra Inclined portion</i>	1.00	9.144	1.524	0.610	8.501
		<i>For Khurra Bed</i>	1.00	1.524	1.524	0.503	1.168
		<i>For Hodies</i>	11.00	5.830	5.830	5.218	1950.895
		<i>Deduction already Existing Pond</i>	1.00	57.912	57.912	1.524	-5111.191
		<i>For pond excavation</i>	1.00	60.960	60.960	3.658	13593.573
		<i>For Road</i>	1.00	9.144	1.829	2.743	45.875
							10489.388
13	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.	274.300	61.00	16732	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>Steel 89kg/cum , 89 times of item 6.43</i>	1.00/274.300	0.000	0.000	0.000	274.300
							274.300
		Sub-Component Total Amount				2918189	
		Component Total Amount				2918189	
		Grand Total				2918189	

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WORK NAME: Estimate for Laying RCC pipeline for connecting Village Pond Partal from km. 8.750/L of Rambass 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 and Brickwork			
	Sub-Component: Pipeline and Brickwork	29,18,189	5,54,456	34,72,645
	Main Component Total	₹29,18,189	₹5,54,456	₹34,72,645
	Grand Total	₹29,18,189	₹5,54,456	₹34,72,645

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.	29,18,189.11	0.00	0.00	554455.93	34,72,645.04
Total :-	29,18,189	0	0	554456	34,72,645

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	29,18,189.11	0.00	29,18,189.11	30
Total :-		29,18,189	0.00	29,18,189	

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