



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 village pond Chamdhera off-taking at Km 3.253 (Tail)of Dewas disty and Excavation of new pond.(Under Atal Bhujal Yojna) [IRR/2023-24/69477]

Estimate Cost:

Rs. 17.28 Lakhs [Adm. Approved Status : Yes, 19/06/2023]

Technical Approval Cost:

Rs. 12.95 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹10,88,163	₹2,06,751	₹12,94,914
Total	₹10,88,163	₹2,06,751	₹12,94,914

Days in which work is likely to be completed:

105 Days

Location of Estimate

Village:CHAMDHERA

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 : RCC pipeline for village pond chamdhera							
Sub-Component :- RCC pipeline							
1	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	408.735	3.00	1226	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		D/d for hodi	3.00	3.755	0.000	0.000	-11.265
		for pipeline	1.00	420.000	0.000	0.000	420.000
							408.735
2	HSR	HSR Item 4.16.1.3 -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 HSR Rate(Rs.) 86.00 Through Rate	Metre	408.735	86.00	35151	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		D/d for hodi	3.00	3.755	0.000	0.000	-11.265
		for pipeline	1.00	420.000	0.000	0.000	420.000
							408.735
3	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	76.424	84.00	6420	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		D/d for pipe section	6.00	0.212	1.000	0.000	-1.272
		D/d of end wall	2.00	0.212	1.000	0.000	-0.424
		inside walls	3.00	4.878	3.320	0.000	48.585
		outer side walls	3.00	5.487	0.609	0.000	10.025
		inclined slopping wall	4.00	9.144	0.381	0.000	13.935
		end wall sides	2.00	1.524	0.457	0.000	1.393
		end wall	2.00	1.372	1.524	0.000	4.182
							76.424

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
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.	56.960	61.00	3475	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		steel	1.00/56.960	0.000	0.000	0.000	56.960
							56.960
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	3.297	2911.00	9598	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi top wall (L wall)	6.00	1.677	0.230	0.076	0.176
		Hodi top wall (S Wall)	6.00	1.220	0.230	0.076	0.128
		on top of inclined khurra wall	2.00	9.144	0.351	0.076	0.488
		on top of end wall	1.00	1.372	0.457	0.076	0.048
		on khurra inclined portion	1.00	9.144	1.524	0.152	2.118
		bed of hodi	3.00	1.219	1.219	0.076	0.339
							3.297
6	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	7745.634	83.00	642888	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		For Pond Excavation	1.00	41.160	41.160	4.572	7745.634
							7745.634
7	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	4.570	200.00	914	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Pipe required for connecting first hodi to channel	1.00	4.570	0.000	0.000	4.570
							4.570

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
8	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-II) : 8 graded stone aggregate 40 mm nominal size) HSR Rate(Rs.) 2442.00 Through Rate	cum	5.350	2442.00	13065	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>Below hodi</i>	3.00	2.286	2.286	0.152	2.383
		<i>khurra sloping portion</i>	1.00	9.144	1.524	0.152	2.118
		<i>below end wall</i>	1.00	1.524	0.610	0.152	0.141
		<i>khurra pond bed</i>	1.00	1.524	1.524	0.305	0.708
							5.350
9	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	21.000	298.00	6258	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>step (7 in each hodi)</i>	1.00/21.000	0.000	0.000	0.000	21.000
							21.000
10	HSR	HSR Item 20.62.6 -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. 6. 450 mm i/d HSR Rate(Rs.) 648.00 Through Rate	Per Metre	416.343	648.00	269790	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>total length=</i>	1.00	420.000	0.000	0.000	420.000
		<i>D/d for hodi section</i>	3.00	1.219	0.000	0.000	-3.657
							416.343
11	HSR	HSR Item 4.31.1 -Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. 1. All kinds of soil HSR Rate(Rs.) 51.00 Through Rate	cum	124.386	51.00	6344	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>for hodies</i>	3.00	3.756	3.756	2.939	124.386
							124.386

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ITEMS							
Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
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	134.556	78.00	10495	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		for hodi	3.00	3.755	3.755	2.939	124.320
		For end wall	1.00	1.524	0.610	0.610	0.567
		for khurra pond bed	1.00	1.524	1.524	0.503	1.168
		for khurra inclined portion	1.00	9.144	1.524	0.610	8.501
							134.556
13	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	0.640	4174.00	2671	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi cover	6.00	1.676	0.838	0.076	0.640
							0.640
14	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	21.627	3693.00	79869	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		1st long wall hodi	6.00	2.134	0.460	0.457	2.692
		1st short wall hodi	6.00	1.219	0.460	0.457	1.538
		2nd long wall hodi	6.00	1.920	0.360	1.067	4.425
		2nd short wall hodi	6.00	1.220	0.360	1.067	2.812
		3rd long wall hodi	6.00	1.660	0.230	1.871	4.286
		3rd short wall hodi	6.00	1.220	0.230	1.871	3.150
		end wall	1.00	1.372	0.457	1.524	0.956
		khurra inclined wall	2.00	9.144	0.351	0.381	2.446
		D/d pipe section in hodi	6.00	0.212	1.000	0.457	-0.581
		D/d pipe section in end wall	1.00	0.212	1.000	0.457	-0.097
							21.627
		Sub-Component Total Amount				1088163	
		Component Total Amount				1088163	
		Grand Total				1088163	

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WORK NAME: Estimate for Laying RCC pipeline for village pond Chamdhera off-taking at Km 3.253 (Tail) of Dewas disty and Excavation of new pond. (Under Atal Bhujal Yojna)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : RCC pipeline for village pond chamdhera			
	Sub-Component: RCC pipeline	10,88,163	2,06,751	12,94,914
	Main Component Total	₹10,88,163	₹2,06,751	₹12,94,914
	Grand Total	₹10,88,163	₹2,06,751	₹12,94,914

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.	10,88,162.68	0.00	0.00	206750.91	12,94,913.59
Total :-	10,88,163	0	0	206751	12,94,914

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 for village pond chamdhera	10,88,162.68	0.00	10,88,162.68	120
Total :-		10,88,163	0.00	10,88,163	

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