



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 Krishnawati River off taking from Km. 15.122 (Tail) of Nangal Disty.(Under Atal Bhujal Yojana) **[IRR/2022-23/31431]**

Estimate Cost:

Rs. 82.52 Lakhs [Adm. Approved Status : Yes, 14/10/2022]

Technical Approval Cost:

Rs. 81.09 Lakhs

Revised Adm Approval Cost:

Rs. 0.00 Lakhs

Item Type	Item Cost	Total Charges	Total Cost
HSR Items	₹80,29,151	₹80,292	₹81,09,442
Total	₹80,29,151	₹80,292	₹81,09,442

Days in which work is likely to be completed:

210 Days

Location of Estimate

Village:KAPOORI

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 : Laying RCC Pipeline							
Sub-Component :- Laying RCC Pipeline							
1	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.) 2735.00 Through Rate	cum	6.212	2735.00	16990	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Below Hodi	10.00	1.981	1.981	0.152	5.982
		End wall	1.00	1.981	0.762	0.152	0.230
							6.212
2	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.) 3260.00 Through Rate	cum	531.289	3260.00	1732002	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Top of End wall	1.00	1.676	0.457	0.076	0.058
		Pipeline Joints	901.00	1.219	1.219	0.610	816.431
		D/d Pipe section	901.00	0.957	0.543	0.610	-285.200
							531.289
3	HSR	HSR Item 21.95.5 -Providing lowering cutting jointing and testing RCC pipe class NP3 as per IS-458-2003 with spigot and socketed joints manufactured with ISI marked sulphate resistance cement as per ISI 12330 with rubber rings ISI marked antitermite as required at site in to trenches for all depths and laying out the same to correct alignment gradients and levels including dressing and trimming and cutting of concrete beds and side of trenches, if required jointing with rubber rings in trenches and jointing with 1:3/2 cement sand mortar and with end dowels filled with 1:3/2 cement sand mortar and finishing the joints at an angle of 45 degree with faces of spigot of socket joints cutting and finishing the cut surface to a uniform finish etc. as fully described in item No. 21.38, item 21.44, item 21.45, and item 21.46 including cartage loading and unloading complete in all respects. the internal diametric of the sewer being: 5. 600 mm HSR Rate(Rs.) 2529.00 Through Rate	Per Metre	2182.800	2529.00	5520301	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		length	1.00	2182.800	0.000	0.000	2182.800
							2182.800

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
4	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.) 4135.00 Through Rate	cum	50.664	4135.00	209496	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi Walls	40.00	1.448	0.229	3.962	52.457
		D/d Pipe section in Hodi walls	20.00	0.957	0.543	0.229	-2.374
		End wall	1.00	1.676	1.067	0.457	0.818
		D/d Pipe section in End wall	1.00	0.957	0.543	0.457	-0.237
							50.664
5	HSR	HSR Item 11.5.3 -12 mm cement plaster of mix : 3. 1:4 (1 cement: 4 fine sand) HSR Rate(Rs.) 94.00 Through Rate	Sqm	235.384	94.00	22126	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi Inside wall	40.00	1.219	3.962	0.000	193.238
		Hodi Outside walls	40.00	1.676	0.610	0.000	40.877
		End wall	1.00	1.676	1.067	0.000	1.788
		D/d Pipe section	1.00	0.957	0.543	0.000	-0.519
							235.384
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, unloading, stacking, handling, re-handling etc., complete in all respect to the satisfaction of Engineer-in-charge HSR Rate(Rs.) 334.00 Through Rate	Each	60.000	334.00	20040	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		6 in one hodi	10.00/6.000	0.000	0.000	0.000	60.000
							60.000
7	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.) 646.00 Through Rate	Sqm	14.864	646.00	9602	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi Bed	10.00	1.219	1.219	0.000	14.864
							14.864

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
8	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.) 68.00 Through Rate	Kg.	150.000	68.00	10200	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		70 kg per cum of RCC	1.00/150.000	0.000	0.000	0.000	150.000
							150.000
9	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.) 87.00 Through Rate	cum	671.761	87.00	58443	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Hodi	10.00	4.039	4.039	4.115	671.301
		End wall	1.00	1.981	0.762	0.305	0.460
							671.761
10	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.) 96.00 Through Rate	Metre	4307.400	96.00	413510	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		Length of pipe up to 1.5 m only	1.00	2153.700	0.000	0.000	2153.700
		Length of pipe from 1.5 to 3 m	1.00	2153.700	0.000	0.000	2153.700
							4307.400
11	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	2153.700	3.00	6461	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		length	1.00	2153.700	0.000	0.000	2153.700
							2153.700

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Sr. No.	Type	Category/Description / Item Size	Unit	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)	
12	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.) 4674.00 Through Rate	cum	2.135	4674.00	9979	
		Description	No./Qty	Length	Breadth	Depth	Total Qty
		<i>hodi covers</i>	20.00	1.676	0.838	0.076	2.135
							2.135
		Sub-Component Total Amount				8029151	
		Component Total Amount				8029151	
		Grand Total				8029151	

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WORK NAME: Estimate for Laying RCC pipeline for connecting Krishnawati River off taking from Km. 15.122 (Tail) of Nangal Disty.(Under Atal Bhujal Yojana)

Final Work Cost Abstract				
Sr.No	Description	Items Amount (Rs)	Total Charges (Rs.)	Total Amount (Rs.)
	Main-Component : Laying RCC Pipeline			
	Sub-Component: Laying RCC Pipeline	80,29,151	80,292	81,09,442
	Main Component Total	₹80,29,151	₹80,292	₹81,09,442
	Grand Total	₹80,29,151	₹80,292	₹81,09,442

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.	80,29,150.74	0.00	0.00	80291.51	81,09,442.25
Total :-	80,29,151	0	0	80292	81,09,442

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). Laying RCC Pipeline	80,29,150.74	0.00	80,29,150.74	180
Total :-		80,29,151	0.00	80,29,151	

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