

# OFFICE OF THE MUNICIPAL CORPORATION SAGAR (MP)

ESTIMATE FOR CONSTRUCTION OF PIPE CULVERT NEAR GHARONDA ASHRAM BAGHRAJ WARD

ISSR-UADD vol-2 building works dated 2nd august 2021

NO	ITEM NO	DETAILS OF WORK	NO	L	B	H	UNIT	QTY	RATE	AMOUNT
1	Item No 12.1 Page 78	Earth work in excavation of foundation of structures with all lifts & lead upto 1000 meters as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom as per relevant clauses of section 300 & 2100 in.	1	15	8	0.6	CUM	72	181	13032.00
2	Item No 12.1 (5)Page 78	Extra rates for quantities of Excavation, executed in/or under water, including pumping out water as required. (The extra percentage rate is applicable in respect of each item but limited to quantities of work executed in these difficult conditions).	1	15	8	0.6	CUM	72	36.2	2606.40
3	Item No 1.1 Page 12	Transportation By Mechanical means including loading, unloading and stacking					CUM	72	121.62	8756.64
4	Item No 3.12 Page 22	Construction of Embankment/Sub grade/ earth shoulders, as per clause 305 & its sub-clauses, Where required but with approved materials/soil like morrum CBR value not less then 7% i/c all lead & lifts i/c excavation, cost of watering, compaction by vibratory roller/ heavy pneumatic type roller and maintenance of surface during construction to ensure shedding & preventing ponding of water (clause 305.3.6) shaping & dressing (clause 305.3.7), finishing etc. complete but excluding scarifying existing granular/bituminous road surface vide clause	2	10	2	1.5	CUM	60	410	24600.00
5	4.2 b.1 pg no 29	Crusher Run Macadam - Providing & laying crushed stone aggregate, on a prepared surface, spreading and mixing with a motor grader, watering and compacting with a vibratory roller as per clause 407 of the specifications	1	15	7.5	0.1	CUM	11.25	1242	13972.50
6	Item No 13.16 Page 88	Providing and Laying Reinforced cement concrete pipe (NP4) for culverts in including fixing collar with cement mortar 1:2 excluding excavation bedding, protection works, backfilling, concrete and masonry works in head walls and parapets as per relevant clauses of section-2900. 1000 mm	12	2.5			RM	30	7758	232740.00
7	Item No.10.1 4.1 Page 118	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					KG	200	92	18400.00



8	Item No.13.5 page 82	Providing and laying Plain/Reinforced cement concrete in sub-structure as per drawing and technical specifications and as per relevant clauses of sections 1500, 1700 & 2200	1	6	7.5	0.2	CUM	9	5328	47952.00
9	Item No 13.17 Page 88	Providing first class bedding below hume pipes with granular material as per clause 2904 of specifications.	1	6	7.5	0.2	CUM	9	706	6354.00
10	Item No 13.17 Page 88	Providing Curtain wall complete as per drawing and Technical specification and as per relevant clauses of section 1400 , 1700 and 2500.Coarsed Rubble Stone masonry in cement mortar (1:3)	4	3.5	0.2	1.5	CUM	4.2	4987	20945.40
11	Item No 6.5 Page 49	Providing and laying Cement Concrete grade M-10 Nominal mix 1:3:6 with 40 mm graded crushed stone aggregate, spreading the concrete by shovels mixing shall be in mechanical mixer, compacting by use of pin/plate/screed vibrators including form work by strong steel girders fixed by spikes.	1	15	7.5	0.1	CUM	11.25	3890	43762.50
12	Item No 6.5 Page 49	Providing and laying Cement Concrete grade M-20 (Nominal mix 1:1.5:3) with 20 mm graded crushed stone aggregate, mixing shall be in mechanical mixer, laying with paver compacting by use of pin, plate / screed vibrators including form work by strong steel girders fixed by spikes, separation membrane 125 micron thick, i/c cutting of joints @ 4 to 5 m interval & filling it with hot applied bituminous sealant (without dowel bars). (max. thickness 20cm)	1	15	7.5	0.2	CUM	22.5	5420	121950.00
13	Item No 6.7 Page 49	Deduct from Item No.6.2, 6.3 and 6.6 above if paver with electronic sensor is not used and laying, compaction is done by any other method (Note :- The acceptance criteria regarding level, thickness, surface regularity, texture finish, strength of concrete and all other quality control measures shall be the same as in case of machine laid work.) This item is to be executed with Prior written permission of Engineer- in-charge					CUM	33.75	391	13196.25
4	5.11.4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding upto floor level including cost of binding wire, wastage and over laps upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall								
					TOTAL	KG	500	58		29000.00

19.1.2	Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for	4	20	1.5	SQM	120	289	34680.00
NET AMOUNT								631947.69
CONTINGENCIES(3%)								18958.43
TOTAL								650906.1
GST(18%)								117163.1
TOTAL AMOUNT								768069.2

SUB ENGINEER  
Sub Engineer  
Municipal Corporation  
Sagar (M.P.)

ASSISTANT ENGINEER  
Assistant Engineer  
Municipal Corporation  
Sagar (M.P.)

EXECUTIVE ENGINEER  
कार्यपालन यंत्री  
नगर पालिक निगम  
सागर

तकनीकी स्वीकृति  
प्राक्फलन राशि... 7,68,069/-  
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स्वीकृति दि. 07/04/26