

Bill Of Quantities					
Name of work :-		Construction Of Box Type VRB In Place Of Damaged Pipe Vrb at Ch: 3530 mt. Of New box Type VRB at Mahudha to Singhali to Khuntaj to Malkana Vehra Drain			
Quantity	Unit	Item	Rate	Per	Amount
		ITEM NO. 1			
180.00	Cum	Dewatering the foundation trenches during excavation, laying foundation concrete,masonry etc. till completion and diversion of surface and subsurface water etc. complete as directed.	52.50	Hp-hr	9450.00
		ITEM NO. 2			
37.00	Meter	Dismantling the R.C.C work and disposing off the stuff Including stacking of the useful materials etc. complete as directed.(a) Light Reinforcement(main bar upto 16 mm.dia.) directed.	1732.8	Cum	64113.60
		ITEM NO. 3			
15.00	Cum	Dismantalling the existing R.C.C. pipes including sorting out and stacking the useful material of the following diameter including refilling the trenches etc. complete as directed. NP 2 Pipes. 650 to 900 mm	866.40	Meter	12996.00
		ITEM NO. 4			
324.00	Cum	Excavation for foundation in all sorts of soil including yellow sandy gravelly soils, soft & hard murrum etc. in dry condition including depositing the excavated stuff in uniform layers in banks or as and where directed etc. complete for lead upto 500 m and all lift. (BY MACHINERY) Excluding dewatering.	102.40	Cum	33177.60
		ITEM NO. 5			
35.00	Cum	Providing & Laying in position "NOMINAL MIX" cement concrete using cement, sand and crushed aggregate by mass and machine mix for C.C./R.C.C work incl. necessary formworks centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete Without Dewatering and excluding cost of steel reinforcement.	3346.00	Cum	117110.00
		(A)For Foundation Concrete/General purpose			
		(a) C.C Nominal Mix M-10 and MSA-40 mm			
		ITEM NO. 6			
34.00	Cum	Providing & Laying in position "DESIGN MIX" cement concrete using cement sand and crushed aggregate for C.C./ R.C.C work by "FLORI" including necessary formwork, centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete without dewatering and excluding the cost of steel reinforcement.	4190.00	Cum	142460.00
		(A) For Footing of column / Abutment / Pier / Bottom slab of barrel / Plinth course / Coping etc.			
		(a) Concrete grade M-15 and MSA-20 mm			
123.00	Cum	(B) For Pier and Abutments / Wing wall / Head wall / Return wall / Dowel Wall etc.	4344.00	Cum	534312.00
		(h) Concrete grade M-15 and MSA-40 mm			
31.00	Cum	(E) For Column / Beam / Solid Slab of Road Bridge / Barrel / Cutoff wall / Approach Slab. etc.	5642.00	Cum	174902.00
		(q) Concrete grade M-25 and MSA-20 mm			
22.00	Cum	(A) For Footing of column / Abutment / Pier / Bottom slab of barrel / Plinth course / Coping / Approach Slab etc.	4651.00	Cum	102322.00
		(e) Concrete grade M-25 and MSA-20 mm			
10.00	Cum	(D) For Kerb / Wearing coat.	5481.00	Cum	54810.00
		(n) Concrete grade M-25 and MSA -10 to 20mm			
2.00	Cum	(F) For Perapet wall of Road Bridge / Structure	8023.00	Cum	16046.00
		(t) Concrete grade M-25 and MSA -10 to 20 mm			
		ITEM NO. 7			
5.01	MT	Providing & Placing in position reinforcement bars including cutting, bending, welding joints where necessary, hooking etc. complete as per drawing for all lead and lifts.	82019.00	MT	410915.19
		(A) TMT / CRS (FE 500 D)			
		ITEM NO. 8			
5.00	Sqmt	Providing and fixing in position pre-moulded asphalt or bitumen cork board of approved quality and specifications as per design and drawing.20 mm thickness	1286.50	Sqmt	6432.50
		CG SOR(WRD) 2023-24, Item No.S-31(b) Pg No.34			
		ITEM NO. 9			
3.00	Meter	Providing and fixing 110 mm diameter P.V.C..Pipe (6 kgf / sqcm) Water spout with necessary iron grating as per design	369.20	Meter	1107.60

		ITEM NO. 10			
18.00	Meter	Providing and laying in position 110 mm dia (6 kgf/sqcm) P.V.C. Pipe for weep holes with non corroding jali in abutments, wing walls, retaining walls etc. complete.	262.50	Meter	4725.00
		ITEM NO. 11			
11.00	Meter	Providing and fixing in position P.V.C. heavy duty water stops in barrels, troughs and wing walls with 25 mm wide expansion joint as shown in drawing including filling the joints with asphalt pad or bitumen cork board of approved quality. (Asphalt pad or bitumen cork board will be paid seperately)	587.70	Meter	6464.70
		(a)225 mm WIDE P.V.C. WATER STOP			
		ITEM NO. 12			
10.00	Meter	Providing and filling the polysulphide joint sealent of the approved make in the expansion and contraction joints in the c.c. lining including clearing the joints with air water jet.	181.20	Meter	1812.00
		ITEM NO. 13			
1.00	No	Providing temporary all weather and fair weather diversion suitable for traffic during the construction period of the bridge including providing necessary drains and all safty measures including red lamps/ signals at night for traffic etc. comp.	34790.00	No	34790.00
		(For R.A. attached)			
		ITEM NO. 14			
35.00	Hr	Excavaion in all sort of soil by machinery incl. preparin etc (where quantity cannot be measured) Hyundai Long Reach Hydraulic Excavator R 210 LC 7LR (0.52 CM) chain	2901.00	Hr	101535.00
		ITEM NO. 15			
35.00	Hr	Excavaion in all sort of soil by machinery incl. preparing rad etc (where quantity cannot be measured) Tractor with Trailer, (RA as per. Annexure-8)	661.00	Hr	23135.00
				Total Rs..	18,52,616.19

(Rupees Eighteen Lacs Fifty Two Thousand Six Hundred Sixteen and Nineteen paisa Only/-)

As per S.O.R

I / We am / are willing to carry out the work at.....% above / below precent.
(Should be written in figure and words) of the estimate reates mentioned above.

Amount of my / our tender works out as under.

Estimated amount put

to tender rs.....

Deduct%

below Rs.....

Net Rs.....

In words.....

Estimated amout put

to tender Rs.....

Add.....%

Above Rs.....

Total Rs.....

In words.....

- 1 The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for wl extra payment shall be made.
- 2 The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- 3 GST and Income tax TDS will be deducted at a source while making payments of bills
In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix desi cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned i tender.
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Notes 1 - All work shall be carried out as per Public Works Department Handbook and specifications of Division or as directed by supervisory staff.

Notes 2 - The persons of firm submitting the tender should see that the all the columns in the schedule should be filled in inkand total of entries in last colu should be struck by the contractor under his signature.

Notes 3 - Rates quoted include clearing of site (prior commencement of work and at its close) in all respects and hold good for work under all conditions, moisture, weather etc.

Note 4 - The meaning of abbreviations used in units are as under. Hact - Hactare MT - Metric Tonne Rmt = Running metre

Note 5 - Basic Rate for Cement Difference Calculation of Mix Design will be Rs. 5483.37/M.T. (Rate as per CGWRD SOR 2023-24)

Signature of agency

Tender Clerk
Shedhi Irrigation Division
Nadiad

Deputy Executive Engineer
Drainage Sub Division
Mahudha

Executive Engineer
Shedhi irrigation Division
Nadiad

Divisional Accountant
Shedhi Irrigation Division
Nadiad