

| Bill Of Quantities | | | | | |
|--------------------|-------|--|----------|-------|-------------|
| Name of work :- | | Construction Of Box Type VRB In Place Of Damaged Pipe VRB at CH.1180m and CH.1670m of Mahudha to Singhali to Khuntaj to Malkana Vehra Drain. | | | |
| Quantity | Unit | Item | Rate | Per | Amount |
| | | ITEM NO. 1 | | | |
| 180.00 | Hp-hr | 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 | 9,450.00 |
| | | ITEM NO. 2 | | | |
| 5.00 | Meter | 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 900mm | 866.40 | Meter | 4,332.00 |
| | | ITEM NO. 3 | | | |
| 25.00 | Meter | 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. 1000 to 1200mm | 1270.70 | Meter | 31,767.50 |
| | | ITEM NO. 4 | | | |
| 201.00 | 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) | 102.40 | Cum | 20,582.40 |
| | | Excluding dewatering. | | | |
| | | ITEM NO. 5 | | | |
| 52.00 | 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. (A)For Foundation Concrete/General purpose | 3346.00 | Cum | 1,73,992.00 |
| | | (a) C.C Nominal Mix M-10 and MSA-40 mm | | | |
| | | ITEM NO. 6 | | | |
| | | 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. | | | |
| 45.00 | Cum | (A) For Footing of column / Abutment / Pier / Bottom slab of barrel / Plinth course / Coping / Approach Slab etc. | 4190.00 | Cum | 1,88,550.00 |
| | | (a) Concrete grade M-15 and MSA-20 mm | | | |
| 60.00 | Cum | (B) For Pier and Abutments / Wing wall / Head wall / Return wall / Dowel Wall etc. | 4344.00 | Cum | 2,60,640.00 |
| | | (h) Concrete grade M-15 and MSA-40 mm | | | |
| 47.00 | Cum | (E) For Column / Beam / Solid Slab of Road Bridge / Barrel / Cutoff wall etc. | 5642.00 | Cum | 2,65,174.00 |
| | | (q) Concrete grade M-25 and MSA - 20 mm | | | |
| 37.00 | Cum | (A) For Footing of column / Abutment / Pier / Bottom slab of barrel / Plinth course / Coping / Approach Slab etc. | 4651.00 | Cum | 1,72,087.00 |
| | | (e) Concrete grade M-25 and MSA-20 mm | | | |
| 17.00 | Cum | (D) For Kerb / Wearing coat. | 5481.00 | Cum | 93,177.00 |
| | | (n) Concrete grade M-25 and MSA -10 to 20mm | | | |
| 2.00 | Cum | (F) For Perapet wall of Road Bridge / Structure . | 8023.00 | Cum | 16,046.00 |
| | | (t) Concrete grade M-25 and MSA -10 to 20 mm | | | |
| | | ITEM NO. 7 | | | |
| 9.15 | 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 | 7,50,473.85 |
| | | TMT /CRS (FE 500D) | | | |
| | | ITEM NO. 8 | | | |
| 10.00 | Sqmt | Providing and fixing in position pre-moulded asphalt or bitumen cork board of approved quality and specifications as per design and drawing. | 1286.50 | Sqmt | 12,865.00 |
| | | 20 mm thickness | | | |
| | | ITEM NO. 9 | | | |
| 6.00 | 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 | 2,215.20 |
| | | ITEM NO. 10 | | | |
| 36.00 | 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 | 9,450.00 |
| | | ITEM NO. 11 | | | |

| Quantity | Unit | Item | Rate | Per | Amount |
|----------|-------|---|----------|-------------------|---------------------|
| 16.00 | 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 seperatly) | 587.70 | Meter | 9,403.20 |
| | | (a)225 mm WIDE P.V.C. WATER STOP | | | |
| | | ITEM NO. 12 | | | |
| 20.00 | 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 | 3,624.00 |
| | | ITEM NO. 13 | | | |
| 2.00 | 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. | 21610.00 | No | 43,220.00 |
| | | (For R.A. attached) | | | |
| | | ITEM NO. 14 | | | |
| 22.00 | 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) chainage | 2901.00 | hr | 63,822.00 |
| | | ITEM NO. 15 | | | |
| 22.30 | 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 | 14,740.30 |
| | | | | Total Rs.. | 21,45,611.45 |

(Rupees Twenty one Lakh Forty Five Thousand Six Hundred Eleven and Forty Five 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.....

- The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
- The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- 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 design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

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 ink and total of entries in last column 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, site, 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