

Name of work :- Construction Cement Concrete Roads of Amreli District Package No.RPC-2/AMR/Suvidhpath/Normal/2025-26/P.42 Ta.Liliya , Dist.; Amreli

### BILL OF QUANTITIES

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate	Amount
1	Earthwork for embankment including breaking clods, dressing with all lead and lift (Excluding watering and consolidation) (A) From borrow area with all lead and lift.	58.00	One Cum	157.91	9158.78
2	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slopes as directed upto all lead.	6468.00	One Cum	109.41	707663.88
3	WBM Grading-1 Providing, laying, spreading and compacting stone agg. Of 90mm to 45mm size to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 KN in stage to proper grade and camber, applying and brooming, stone screening/binding material to fill-up the intersties of coarse agg., watering and compacting to the required density grading-1 as per Technical Specification Clause.405 By manual means.	3852.00	One Cum	1531.13	5897912.76
4	Excavation for foundation upto 1.5m depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto all lead. Dense or hard soil.	70.00	One Cum	253.88	17771.60
5	Excavation for foundation upto 1.5m depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto all lead. Hard Murrum	70.00	One Cum	432.61	30282.70
6	Providing and casting in situ ordinary cement concrete M-150 mix and providing necessary pin headers including shuttering, scaffolding, laying vibrating, curing and finishing complete Without V-Grooves For all Hieght.	183.00	One Cum	3921.63	717658.29

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate	Amount
7	Providing and filling in foundation with ordinary cement concrete M-100 mix and providing necessary vertical pin headers incl. Formwork, vibrating, ramming and curing complete.	18.00	One Cum	3345.58	60220.44
8	Construction of dry lean cement Ready Mix concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 220 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with paver, compacting with 8-10 tonnes vibratory roller, finishing and curing etc. complete.	2393.00	One Cum	2163.42	5177064.06
9	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with ready mix concrete grade M250, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing	3525.00	One Cum	6293.10	22183177.50
10	Providing and laying weep hole in Abutment and returns by using A.C pipe of 100mm. Incl. fixing in proper grade and jointing the complete as per detailed specification.	88.00	One No	56.12	4938.56

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate	Amount
11	Providing and laying in Position FE - 500/500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following (A) Piers (B) Abutments (C) Returns (D) Walls etc.	1.230	One MT	73858.69	90846.19
12	Filling available excavated earth (excluding rock ) in trenches plinth sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering.	297.70	One Cum	136.91	40758.11
13	Providing and supplying in standard length ISI mark high density Polyethylene H.D.P.E. Pipes suitable for potable water as per IS specification no. 4984/1995 including all local and central taxes, transportation, freight charges octroi, inspection charges, loading, unloading, conveyance to the dept. stores etc. comp With Excavation for pipe line trench for water suppl,sewerage line,manhole,etc.all with shoring and strutting if required as per required gradiyan and line including saffety provision using site rail and sticking excavated stuff including up to all required lead cleaning the site etc compl.for all lift and stratta.as specified up to 1.5m depth.200MM 6Kg\sqcm	165.00	One Rmt.	1010.00	166650.00
14	Demolition and desposal of unserviceable materials with all lead and lift. (II) Unreinforced cement concrete.	87.75	One Cum	623.02	54670.01
15	Demolition including stacking of serviceble materials and disposal of unserviceble materials with all lead and lift (i) R.C.C work	266.25	One Cum	1082.35	288175.69

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate	Amount
16	Providing and fixing pre-cast Rubble dye/steel dye center locking concrete block 60mm thick with grade concrete M-300 pumatic compressed by mechanically pressed and as per approved design confirming to IS 15658:2006 including 35 mm sand layer for levelling and filling the joint with sand in proper line and level as per Guidline of IRC:SP 63-2018 etc. completed	3392.00	One sqm	706.93	2397906.56
17	Providing and erecting suvidhapath logo board cum uniformatory retro reflectorised board as per IRC-67 made of engineering grade sheeting as per specification fixed over alluminium sheeting 2mm. thick as pogo baord with vertical support of M.S. angle 35x35x5 mm and laterial clearance of 10mm between logo and informatory board and 2mm. thick M.S plate as information board with area exceeding 0.90sqm. fixed on frame of an angle 35x35x5mm and suported on a M.S. angle iron post 75mm x 75mm x 6mm - 2 nos firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 45cmx45cmx60xm, below ground level as per drawing, including painting and instalation as site.	6.00	One No	6002.43	36014.58
18	Road Marking with Hot Applied paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplasting compund 2.5mm thick including reflectorising glass beads @250 gm per sq.mtr area, thickness of 2.5mm is excluding of surface applied glass beads as per IRC:35-2015 the finished surface to be level, uniform and free from streaks and holes, zebra patta/bump/centerline/edge line/ cut patta. the while color marking should provide liminance coefficient on cement road shall be min. 130 mcd/m2/lux and asphalt road shall be min 100 mcd/m2/lux during the survice life during the date the marking should meet the performanace criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015 warranty for retroreflectivity shall be two years.	795.00	One Sqm	367.72	292337.40
Rupees Three Crore Eighty One Lakh(s) Seventy Three Thousand Two Hundred Seven And Paise Ten Only					38173207.10

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I \ We am \ are willing to carry out the work at ..... % above \ bellow percent ( Should be written in figures and words ) of the estimated rate mentioned above. Amount of My \ Our tender works put as under.

\* Estimated Amount

Put to tender **Rs**.....

Deduct.....%

Net **Rs**.....

In words.....

\* Estimated Amount

Put to tender **Rs**.....

Add.....%

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 which no 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

4.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.

Signature of Contractor.

Deputy Executive Engineer  
Panchayat R&B Sub Division  
Lathi

Executive Engineer  
Panchayat R&B Division  
Amreli