

**Resurfacing Bagvadar Vachhoda Khistri Road, Ch. 0/0 to 6/200 Ta.Dist.Porbandar (MMGSY NORMAL ~ 2025-26)**

**BILL OF QUANTITIES**

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate In Figures	Amount
1	Clearing and grubbing of road land incl.uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth upto 300mm removal of stumps of trees cut earlier and disposal of unserviceable materials © By mechanical means in area of Light jungle.	2.00	One Hect.	28455.09	56910.18
2	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation) (C) From Borrow area within 3 km lead	2418.00	One Cum	177.33	428783.94
3	Scarifying graveled macadam or Bitumen macadam surface 6cm to 10cm depth including stacking useful materials on road side and disposing off remaining stuff.	2175.00	One Sqm	43.58	94786.50
4	Providing and laying compacted W.B.M. 75mm thick (Grade -II) of Machine crushed BT metal of size of 40-63 mm with 16% stone screening 13.20 mm size binding materials at 0.08Cum/10Sqm including spreading, watering and consolidation by vibratory roller etc. complete.	327.00	One Cum	1420.97	464657.19
5	Rolling and Watering of earthwork in layers with vibratory roller 80 to 100KN static weight including filling in depression which occur during the process as directed.	2418.00	One Cum	23.41	56605.38
6	Providing, laying And rolling 50 mm thick compacted Bitumeneous Macadam (B.M.) in one layer with B.T. aggregates as specified and using RS-1 Emulsion for tack coat at the rate of 4.00 Kg 10sqm. on B. T. Surface (As per IRC-16) and using bitumen for mixing with aggregate at the rate of 3.40 % i.e. 34.00 kg MT of total mix, including heating and mixing in Drum mix plant and spreading the same by Paver finisher and consolidation with Vibratory roller including necessary including cost of Hire charges, firewood, fl, Lubricants, labour charges, etc. by using Drum mix plant, machineries and equipment, tools etc. complete in accordance with the requirement of specification.	2046.00	One MT	2939.95	6015137.70
7	Providing and laying and roling of 20mm thick compacted mix seal surface with B.T.and aggregate as specified using itumen for mixing with aggregate at the rate of 5.10% i.e. 51.00kg/ M.T. of total mix, including heating and mixing in drum mix plant and spreading the same by paver finisher and con solidation with vibratory roller including necessary frewood, ofl, lubricants, labour charges, using drum mixp lant, machineries and equipment, tools etcincluding fushing of sand 0.30 cum/10sqm. etc complete in accordance with the requirement of specification	871.00	One MT	3468.32	3020906.72

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate In Figures	Amount
8	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto all lead. Dense or hard soil.	2980.00	One Cum	265.97	792590.60
9	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 (A) Height 0.0 M to 5.0 M	7080.80	One Cum	3954.98	28004422.38
10	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.	304.00	One Cum	3378.92	1027191.68
11	Providing and laying weep hole in Abutment and returns by using A.C of 100mm. Including laying in proper grade and jointing the complete as per detailed specifications.	2966.00	One No	90.82	269372.12
12	Providing and laying in Position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following (A) Piers (B) Abutments (C) R.C.C. Returns	16.400	One MT	73858.69	1211282.52
13	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.	1784.00	One Cum	137.47	245246.48
14	Providing and fixing Hectometer of pecast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design including painting lettering and etc. complete. (II) Fixing in C.C. 1:5:10	25.00	One No	356.49	8912.25
15	Providing and fixing guard stone as per IRC type design including white washing etc complete (i) Fixing in C.C. 1:5:10	143.00	One No	350.80	50164.40
16	Providing and fixing ordinary Kilometer stone of pre-cast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including painting lettering etc. complete.	7.00	One No	704.33	4930.31
17	Providing and fixing indicator stone of approved stone as per I.R.C. type design in C.C. 1:4:8 including white washing etc. complete.(ii) Fixing in C.C. 1:5:10	310.00	One No	343.26	106410.60
18	Supplying and fixing road sign board of M.S. plate and angle IR including painting, lettering etc complete including fixing in CC 1:4:8 with necessary excavation etc. complete as per IRC Type design (II) Reflective Type.	4.00	One No.	3072.98	12291.92

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate In Figures	Amount
19	Citizen information Boards. Providing and fixing of Typical information board as per instruction Two ACP sheets of 3mm thick of 900mm x 750mm size fixed at top & bottom duly rivetted with MS angles of 25 x 25 x 5mm thick MS angle shall be welded by two vertical M.S. angle of 5mm thick to 75mm x 75mm pf 12SWG square tubes posts duly embeded in cement concrete M-15 grade blocks of 600mm x 600mm x 750mm below ground level. The letters and figures of any shade reflectorised with High Intensity Prismatic Grade Retro Reflective Sheeting of TYPE-4 as per ASTM D-4956 and latest MORD specification; All sections of framed posts and sheet tube will be painted with primer and two coats of epoxy paints as per drawing Clause 1701 annexure 1700.1(10.16) (A) Class-B High intensity Grade Retro Reflective Sheeting.	1.00	One No	8599.06	8599.06
20	Village Name / Bump Ahead Sign:Providing and fixing sign board made out of 2 mm Aluminium sheet: Size 90 x 60 Cms rectangle as per design of IRC 67-1977. Pretreated with phospheting process and Acid etching; coated with one coat of epoxy primer and two coats of best quality Epoxy paint: Reflectorised with Retro Reflective sheeting as per latest MOST specification: 3.1 M Long (2 Nos) Stand Post and frame fabricated from suitable size iron angle of 50 x 50 x 5 mm painted with best quality epoxy coatings in black and white bends the details of symbol on inscription / numerals for each board shall be as per the instruction of Engineer In Charge the fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms for each legs including excavation, curing etc. complete under the supervision of Engineer In Charge (A) Engineer Grade	2.00	One No	5045.36	10090.72

Item No.	Description of Item (With brief specification and reference to book of Specification)	Quantity	Unit	Rate In Figures	Amount
21	Chevron sign-Providing and fixing sign boards made out of 1.5mm aluminium sheet / 3mm ACP (Aluminum composite Panel); size 60x50cm rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35x35x3mm; painted with bestquality epoxy coatings in black and white bends, the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-B Type-4 Retro Reflective sheeting	8.00	One No	3711.75	29694.00
Four Crore Ninteen Lakh Eighteen Thousand Nine Hundred Eighty Six Rupees And Sixty Five Paisa					41918986.65

I \ We am \ are willing to carry out the work at ..... % above \ below 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  
Porbandar

Executive Engineer  
Panchayat R&B Division  
Porbandar