

NAME OF WORK: 1) Construction of Dadar Village To Banas River Road (Ch: 0/0 to 1/100 km) ; Ta-Sami ; Dist- Patan.

BILL OF QUANTITIES / QUANTITY STATEMENT					
It. No.	Item Of Work	Quantity	Unit	Rate	Amount
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	0.660	Hector	28455.09	18780.36
2	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(C) From Borrow area within 1.0 Km.lead	3600.000	Cu.mt.	165.43	595548.00
3	Rolling & Watering Of earhwork in Layers With Vibratory Roller including filling in depressions which occur during the process.	3600.000	Cu.mt.	23.41	84276.00
4	Providing hard side shoulder of 100 mm thick for embankment using quarry spall with all lead and lift and including watering and rolling and consolidation of sub grade in layers at OMC to required dry density including filling depression which occur during the process using vibratory roller of 80 KN to 100 KN (selected quarry spall having CBR value not less than 30.0	132.000	Cu.mt.	1012.60	133663.20
5	Providing laying spreading and compacting 150mm thick granular sub base (G.S.B.) with specified material MC BT Metal of size 53 to 26.5 mm 35%, 26.5mm to 4.75 mm 45% and below 2.36 mm stone dust 20% mix (Grade-I) having C.B.R. not less than 30 incl. mixing the material at OMC at site and spreading in uniform layer base and compacting with power roller to achieve the desired density incl. all materials, labour and machinery, lighting guarding, bracketing and maintenance of diversion etc. complete as per MORT & H clause 40 1.12.50	692.000	Cu.mt.	1385.72	958918.24
6	Providing and laying W.B.M of B.T.M.C metal of size 45 mm to 90 mm size including 0.27 Cu.m. stone screening & 0.08 Cu.M. stone dust as filler including spreading, watering & consolidation by vibratory roller 80KN to 100KN static weight.100 mm thick compacted.	450.000	Cu.mt.	2187.91	984559.50

7	Providing and laying W.B.M of B.T.M.C metal of size 45 mm to 63 mm size including 0.12 Cu.M. Stone Screeing & 0.08 Cu.M. stone dust as filler including spreading, watering & consolidation by vibratory roller 80KN to 100KN static weight. 75 mm thick compacted.	333.000	Cu.mt.	1998.76	665587.08
8	Providing and fixing Hectometer as per I.R.C. type design including painting, lettering etc. complete.(i) Fixing in Earth	4.000	Nos.	116.08	464.32
9	Providing and fixing ordinary Kilometer stone of precast 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 (For O.D. road V.R.)	2.000	Nos.	704.33	1408.66
10	Village name/ Bump Ahead sign:-Providing and fixing sing boards made out of 2mm aluminum sheet; size 90 x 60cms. rectangle as as per the design of IRC-67-1977 pretreated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm painted with best quality 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 block of size 45 x 45 x 60cms. for each leg. Including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	1.000	Nos.	5045.36	5045.36

11	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	5.000	Nos.	3711.75	18558.75
12	Project Information Board: Providing and fixing of typical Project informatory sign boardwith Logo as per 1700 of MORD specifications and drawing. The board will be a composite unit consisting ofThree Plates ACM (Aluminum Composite Material), material specificalitons as per clause 17001.3. The topmost plate will be of 3mm ACM in diamond shape of 600x600mm size, riveted with MS angle iron frame of 25mmx25mmx5mm size on back on edges. The middle 4mm ACM plate of will be 1200x150mm size rivetedwith MS angle iron frame of 25mmx25mmx5mm size on back on edges. The main 4mm ACM lower mostplate will be 1500mmx600mm size, riveted with MS angle iron frame of 25mmx25mmx5mm size. Riveting ofall the sheets over angle and flat iron frame will be done neatly to have plain surface on one side. The angleiron frame of lower most plate and flat iron frame of the middle plate will be welded to	1.000	Nos.	10355.77	10355.77
13	Citizen's information Board- Providing and fixing of typical information board as per instruction. Two MS plates of 1.6mm thick, of 900 mm x 750mm size fixed at top & bottom duly welded with MS angles of 25 x 25 x 5 mm thick M.S plate shall be welded by two vertical M.S flats & four horizontal M.S flats 5 mm thick to 75 mm x 75 mm of 12 SWG square tubes posts duly embedded in cement concrete M-15 grade blocks of 600mm x 600mm x 75mm, below ground level. Painting New letters & figure of any shade with ready mixed synthetic enamel paint of superior quality in required shade and color, All sections of framed	1.000	Nos.	9982.78	9982.78

14	Direction sign (Junction board):-Providing and fixing sing boards made out of 2mm aluminum sheet; size 244 x 122cms. rectangle as per the design of IRC-67-1977 pretreated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the	1.000	Nos.	14831.71	14831.71
15	Hazard Marker Sign:-Providing and fixing sing boards made out of 2mm aluminum sheet; size 90 x 30cms. rectangle as as per the design/drawing attached (IRC) pretreated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm & 50 x 50 x 5mm painted with best quality epoxy coatings The fixing at site shall be in 1:2:4 CC block of size 45x45x 60cms. for each leg. Including excavation	6.000	Nos.	2423.74	14542.44
16	Cat Eye / Road Stud / RPM: Supplying Raised Pavement Markers made of polycarbonate and ABS molded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. Tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 D DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The body of the marker should having finger grip for easy and accurate placement and application with epoxy / bituminous Adhesive as recommended by the	220.000	Nos.	217.40	47828.00

17	Road marking with hot applied thermoplastic paints with reflectorizing glass beads on bitumen surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250gms per sq. area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide luminance coefficient on cement road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC	220.000	Sq.Mt.	367.72	80898.40
18	Excavation for foundation upto 1.5 M. depth including sorting out and stacking of useful materials and disposing of excavated stuff up to 50M. lead.(a) Loose or soft soil	163.000	Cu.M.	128.79	20992.77
19	Providing and laying cement concrete 1:4:8 (1 cement :4 Coarse sand :8 crushed stone aggregate 40 mm. nominal size) and curing complete including the cost of form work in (A) Foundation and Plinth	454.500	Cu.M.	2749.06	1249446.41
20	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 from 0.0 to 5.00 mt	195.000	Cu.M.	3736.37	728592.46
21	Supplying and fixing reinforced concrete heavy duty non pressure pipe with collars for culverts carrying heavy traffic as per IS 458-1991 specification including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S.Class NP 3 of 900 mm diameters	30.000	Rmt	3469.26	104077.80
22	Providing and fixing in position Fe 500D TMT for R.C.C. bored piles as per detailed drawing, including cutting, bending hooking tying and welding complete and including forming the cage and lowering it in position. (up to 10 ton)	0.623	MT.	73656.44	45892.38
23	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	27.120	Sq.M.	122.14	3312.44

24	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 slope as directed upto 50Mt.lead	246.000	Cumt.	114.44	28152.24
25	Providing & Laying cement concrete 1:1:5:3 (1 cement:1:5 course sand:3 graded stone aggregate 20 mm nominal size) for C.C. road and curing cost of form work. Finishing the cement concrete road by trimix process inclusive of labour charges for trimix vacuum dewatering process on cement concrete road by using vacuum dewatering pump, surface floater, surface vibrator including channeling & making grooves & rough finish to surface by providing expansion joints, contraction joint 8 construction joints with fillings of joints with asphalt filler as per direction by engineer in charge & as per specification.	865.000	Cmt.	4592.11	3972175.15
26	Providing and fixing in position FE 500D TMT bar reinforcement including cutting, bending and tying complete as per detailed drawings. (A) R.C.C. Kerb. (B) R.C.C. Footpath. (C) R.C.C. Approach slab. (D) Wearing Coat. {SOR 24-25 It. No 27123}	14.047332	MT.	73243.020	1028869.02
27	Providing And Laying weep hole in Abutment and returns By using PVC pipe of 100 mm dia Including Laying in proper grade and jointing the Completed as per Detailed Specification	87.500	Each	151.10	13221.25
					10839980.48
				Total Rs.	10839981.00

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 out as under.

Estimated amount put to tender Rs.....

Add.....% Above Rs.....

Net Rs.....

In words.....

Signature of Contractor

Deputy Executive Engineer
Panchayat R & B Division
Sami

Estimated amount put to tender Rs.....

Deduct.....% below Rs.....

Net Rs.....

In words.....

Executive Engineer
Panchayat R & B Sub Division
Patan

Notes 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.

Notes 2 - The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.

Notes 3 - GST and Income tax TDS will be deducted at a source while making payments of bills.

Note 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.