

| Name of work: | | Construction of Shiva Katkola Road K.M. 0/0 to 2/40 Kms (Non Plan), Ta.Bhanvad | | | | |
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| Taluka :- | | Bhanvad | | | Dist :- | D.B.Dwarka |
| | 1 | Construction of Shiva Katkola Road K.M. 0/0 to 2/40 Kms (Non Plan), Ta.Bhanvad | | | | |
| | | Memorandum showing the items of work to be carried out | | | | |
| SCHEDULE " B " | | | | | | |
| Item No | Quantities estimated but may be more or less. | Item of works | Estimated Rates | | Unit | Total amount according to estimated quantities. |
| | | | In Figures Rs. Ps. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 2238.00 | Providing and Laying granular sub-base Grade-I C.B.R. not less than 30% by providing coarse graded material,consisting of B.T. crushed stone aggregates 53 mm to 26.5 mm @ 35%,26.50 mm to 4.75 mm @ 45%,2.36 mm to below @ 20% coarse sand combination and stone dust/grit spreading in uniform layers with motor grader on prepared surface,mixing by mix in Place method with rotovator at O.M.C. to required dry density including filling the depressions which occred during the process using vibratory roller complete as per Clause-401 | 574.08 | Rs. Five Hundred Seventy Four and Paise Eight Only. | Cu.m | 1284791.04 |
| 2 | 2202.00 | Supplying and stacking of crushed stone aggregates, chippings of hard of stone 40 to 63 mm mm size free of disintegrated pieces of deleterious and organic matter (for W.B.M.) and grading as per I.R.C. code. including filling the boxes with all lead and lift. | 421.00 | Rs.Four Hundred Twenty One Only. | Cu.m | 927042.00 |
| 3 | 466.00 | Supplying and stacking of Machine crushed stone aggregates, chippings etc.of 6 to 10 mm size of hard stone free of disintegrated pieces, deleterious and organic matter (for WBM) and grading as per I.R.C. code. Including filling the boxes with all lead and lift. | 389.26 | Rs.Three Hundred Eighty Nine and Paise Twenty Six Only. | Cu.m | 181395.16 |
| 4 | 221.00 | Supplying and stacking of stone dust on road site including filling the measure boxes with all lead and lift. | 218.57 | Rs. Two Hundred Eighteen and Paise Fifty Seven Only. | Cu.m | 48303.97 |
| 5 | 2671.00 | Spreading the stone aggregate for rolling and W.B.M. including filling the interstices to required camber and gradient (excluding spreading of Blindage)(ii) 40mm to 63mm size aggregates | 158.72 | Rs. One Hundred Fifty Eight and Paise Seventy Two Only. | Cu.m | 423941.12 |
| 6 | 221.00 | Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed.(i) STONE DUST | 93.71 | Rs. Ninty Three and Paise Seventy One Only. | Cu.m | 20709.91 |
| 7 | 2671.00 | Rolling and consolidation using vibratory road roller 8 - 10 tonne capacity (C) Water bound Macadam (Layer not exceeding 100mm thickness) | 75.75 | Rs. Seventy Five and Paise Seventy Five Only. | Cu.m | 202328.25 |
| 8 | 16202.00 | Earthwork for embankment including breaking clods, dressing from borrow area with all lead and lift (excluding watering and consolidation). | 160.24 | Rs. One Hundred Sixty and Paise Twenty Four Only. | Cu.m | 2596208.48 |

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| 9 | 16296.00 | Rolling of earthwork in layers with power roller including filling in depressions which occur during the process as directed. | 18.67 | Rs. Eighteen and Paise Sixty Seven Only. | Cu.m | 304246.32 |
| 10 | 7598.00 | providing and applying primar coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer @ rate of 0.60 kg./Sq.m using mechanical means. | 18.18 | Rs. Eighteen and Paise Eighteen Only. | Sqm. | 138131.64 |
| 11 | 570.00 | Providing and laying 37.50 mm thick Built up spray grout in One layers using black crushed stone aggregate as per gradation and specification including using bitumen for tackcoat at the rate of 2.5 Kg./10 Sqmt. on Surface by mechanical sprayer and bitumen of VG-10 grade mixing at the rate of 19.90 Kg./ M.T.by weight of total mix (i.e.1.99 %) including heating and mixing the aggregate and bitumen by continuous batching drum mix plant, transporting the mix and spreading the same by paver finisher and consolidation with vibratory roller including cost of all materials, fuel, labours,tools and plants. using contractor's own drum mix plant and machineries etc. complete. | 1897.97 | Rs.One Thousand Eight Hundred Ninety Seven and Paise Ninty Seven Only. | M.T | 1081842.90 |
| 12 | 399.00 | Providing, laying and rolling of 25 mm thick open graded premix bitumenous carpet with B.T. aggregate as specified and using bitumen VG-10 for tackcoat at the rate of 2.5 Kg./10 Sq.Mt. on BT surface and using bitumen VG-10 for mixing with aggregate at the rate of 3.36 % i.e. 33.60 Kg./ M.T. of total mix including heating and mixing in drum mix plant, spreading the same with paver finisher and consolidation with vibratory roller including necessary fire wood, oil, lubricants, labor charges etc. using contractor's own drum mix plant and equipment, tools etc. completed in accordance with the requirement of specification. | 2701.26 | Rs.Two Thousand Seven Hundred One and Paise Twenty Six Only. | M.T | 1077802.74 |
| 13 | 208.00 | Providing and laying seal coat with B.T. aggregate as specified using aggregate at the rate of 0.18 Cum/ 10 Sq.Mt. and bitumen VG-10 for mixing with aggregate at the rate of 4.5 % i.e. 45.00 Kg./M.T. 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 fire wood, oil, lubricants, labour charges using contractor's own drum mix plant, machineries and equipment, tools etc. complete in accordance with the requirement of specification. | 3045.42 | Rs.Three Thousand Fourty Five and Paise Fourty Two Only. | M.T | 633447.36 |

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| 14 | 113.00 | 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 up to 50mt. Lead | 69.47 | Rs.Sixty Nine and Paise Fourty Seven Only. | Cu.m | 7850.11 |
| 15 | 351.00 | Providing and filling in foundation with ordinary C.C. M-100 mix and Providing necessary vertical pin headers including formwork, vibrating, ramming and curing etc. complete. | 2216.45 | Rs.Two Thousand Two Hundred Sixteen and Paise Fourty Five Only. | Cu.m | 777973.95 |
| 16 | 85.00 | Providing and casting in situ ordinary Trimix cement concrete M200 for average 200 mm thick road work laid as directed including providing and laying MS side rail of road thickness with necessary nut bolts plates fixing as per width width applying plate vibrator (Electric or Diesel)on channel compressor with vacume dewatering system by using all necessary equipment and materials and machinery such as running creed vibrator on prelaid MS Channel for levelling vacuum pump floating power travelling etc filling the joints with Bitumin as directed etc. comp. | 3233.60 | Rs.Three Thousand Two Hundred Thirty Three and Paise Sixty Only. | Cu.m | 274856.00 |
| 17 | 4.31 | Providing HYSD reinforcement for R.C.C work including bending, binding and placing in position complete upto floor two level. | 56114.61 | Rs.Fifty Six Thousand One Hundred Fourteen and Paise Sixty One Only. | M.T. | 241853.97 |
| 18 | 207.00 | Excavtion for foundation in upto 1.50m depth including sorting out &stcking of useful materials and disposing of the excavated stuff up to 50.00 m lead in (B)Dence or Hard soil | 161.19 | Rs.One Hundred Sixty One and Paise One Nine Only. | Cu.m | 33366.33 |
| 19 | 175.00 | Excavtion for foundation in upto 1.50m depth including sorting out &stcking of useful materials and disposing of the excavated stuff up to 50.00 m lead in (C) Hard Murrum | 274.67 | Rs.Two Hundred Seventy Four and Paise Sixty Seven Only. | Cu.m | 48067.25 |
| 20 | 391.00 | Providing & Casting in situ ordinary CC M-150 mix & providing necessary pin headers including shuttering , scaffolding , laying , vibrating , curing & finishing complete with out V-grooves (A) Ht. upto 0.0m to 5.0m) More than 10 ton | 2823.75 | Rs.Thirty Eight Thousand Four Hundred Eighty Nine and Paise Seven Only. | Cu.m | 1104086.25 |
| 21 | 90.00 | Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458 : 1991 specifications including setting the pipes in Cement mortar 1 : 2 watering and laying (to level or slope) of class NP3 | 3862.79 | Rs.Sixty Six and Paise Five Only. | Rmt | 347651.10 |

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| 22 | 91.00 | Filling around the pipes with murrum including dressing and tampering etc. complete. | 54.62 | Rs.Fifty Four and Paise Sixty Two Only. | Cu.m | 4970.42 |
| 23 | 74.00 | Providing & casting in situ ordinary CC M-200 mix for average 100mm thick wearing coat laid as directed including temping,vibreating, finishing in joints with bitumen More than 10 ton | 3159.23 | Rs.Three Thousand One Hundred Fifty Nine and Paise Twenty Three Only. | Cu.m | 233783.02 |
| 24 | 4.00 | Providing and fixing ordinary K.M Stone precast C.C 1:2:4 including necessary reinforcement as per I.R.C type design in C.C 1:4:8 including painting and lettering etc. complete. (For ODR & VR). | 594.94 | Rs.Five Hundred Ninty Four and Paise Ninty Four Only. | No. | 2379.76 |
| 25 | 12.00 | Providing & fixing Hectometer as per IRC type design including painting, lettering etc.complete (i) fixing in Earth | 135.47 | Rs.One Hundred Thirty Five and Paise Fourty Seven Only. | No. | 1625.64 |
| 26 | 104.00 | Providing & indicator stone as per IRC type design including painting, lettering etc.complete (I) fixing in Earth | 118.77 | Rs.One Hundred Eighteen and Paise Seventy Seven Only. | No. | 12352.08 |
| 27 | 60.00 | Providing & fixing guard stone as per IRC type design including painting, lettering etc.complete (I) fixing in Earth | 64.47 | Rs.Sixty Four and Paise Fourty Seven Only. | No. | 3868.20 |
| 28 | 8.00 | Supplying and fixing Road sign Board of M.S plates and angle iron including painting, lettering etc. complete including fixing in C.C 1:4:8 with necessary excavation etc. complete as per I.R.C type Design. (II) Reflective type. | 3511.09 | one hundred ten and paisa nine only. | No. | 28088.72 |
| 29 | 2.00 | Providing and fixing junction board of M.S plates and angles as per standard I.R.C design including fixing in C.C 1:4:8 with necessary excavation, painting figuring and lettering on board etc, complete | 5472.18 | one thousand one hundred ninty four and paisa fifteen only. | No. | 10944.36 |
| 30 | 2.00 | Providing and fixing village name boards as per standard I.R.C type design of steel plate including painting, lettering etc. complete with fixing in C.C 1:4:8 block with necessary excavation. | 3943.44 | tree thousand one hundd eighty two and paisa fifty one only. | No. | 7886.88 |
| 31 | 1.00 | Citizen' s information Board- Providing and fixing of typical MMGSY information board as per instruction. Two MS plates of 1.6 mm 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 & | 9288.97 | Rs.Nine Thousand Two Hundred Eighty Eight and Paise Ninty Seven Only. | No. | 9288.97 |

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| 32 | 10.00 | Hazard Marker Sign:- Providing and fixing sign board made out of 2mm aluminium sheet size 90x30 cm ,rectangle as per the design /drawing attached (IRC) pretreated with phosphating process acid etching ,coated with one coat of epoxy primer and two coats of best quality epoxy paints ,reflectorised with retro reflective sheeting as per latest M.O.S.T.specification ,3.1m long stand post and frame fabricated from suitable size iron angle of 35 x35x3mm & 50 x50 x5mm painted with best quality | 2555.35 | Rs.Two Thousand Five Hundred Fifty Five and Paise Thirty Five Only. | No. | 25553.50 |
| 33 | 40.00 | Supplying and fixing cat eye (Stimsonite) made out from acrylic beautiful sterile injection high compressed molding with reflector made of MMC (prismatic type of size 12cmx6cmx2.50cm) provided with bituminous adhesive 100g with each unit for fixing (Engineer Grade) | 375.72 | Rs.Three Hundred Seventy Five and Paise Seventy Two Only. | No. | 15028.80 |
| 34 | 1.00 | MMGSY "LOGO" Board : Providing and fixing of MMGSY LOGO informatory sign board with Logo as per section 1700 of MORTH specifications and drawing. The board will be a composite unit consisting of Two Plates of ACM (Aluminum Composite Material) material specifications as per | 4680.34 | Rs.Four Thousand Six Hundred Eighty and Paise Thirty Four Only. | No. | 4680.34 |
| 35 | 2.00 | 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 phosphating process & acid etching; coated with one coat of epoxy primer and two coats | 3989.50 | Rs.Three Thousand Nine Hundred Eighty Nine and Paise Fifty Only. | No. | 7979.00 |
| 36 | 2.00 | Informatory signs :Providing & Fixing sign boards made out of 2mm. Aluminium sheet size 80 x 60 cms. Rectangle as per the design of IRC - 67 - 1977 Pre treated with phosphating process & acid etching : coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro | 5048.99 | Rs.Five Thousand Fourty Eight and Paise Ninty Nine Only. | No. | 10097.98 |
| 37 | 2.00 | Cautionary Warning Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet; size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-1977. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint | 4326.84 | Rs.Four Thousand Three Hundred Twenty Six and Paise Eighty Four Only. | No. | 8653.68 |
| 38 | 94.00 | Excavation for foundation in hard murrum and boulders and very stiff or sticky clay and other similar strata including shoring, strutting, dewatering as necessary and disposing of excavated stuff as directed | 388.14 | Rs.Three Hundred Eighty Eight and Paise Fourteen Only. | Cu.m | 36485.16 |
| 39 | 321.00 | Excavation for foundation in large boulders and soft rock by welding including shoring, strutting, dewatering as necessary and disposing of excavated stuff as directed | 454.95 | Rs.Four Hundred Fifty Four and Paise Ninty Five Only. | Cu.m | 146038.95 |
| 40 | 117.00 | Excavation in hard rock by dry wet blasting and chiselling including dewatering preparing foundation base by proper banching and stepping and disposing of excavated stuff as directed (A) Requiring blasting. (S.O.R. P.No. 199/I.No.27010)A | 547.22 | Rs.Five Hundred Fourty Seven and Paise Twenty Two Only. | Cu.m | 64024.74 |
| 41 | 141.00 | Providing and fixing mild steel dowel bars as per I.S. std. of minimum 32 mm dia. For anchoring by drilling holes in foundation strata including necessary bending, hooking of dowel bars and grouting the holes complete as per detailed drawing and as directed | 388.06 | Rs.Three Hundred Eighty Eight and Paise Six Only. | Rmt | 54716.46 |

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| 42 | 929.00 | Providing and casting in situ ordinary cement concrete M-200 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete without V-Grooves. (A) Height from 0.0 to 5.0 | 3348.35 | Rs.Three Thousand Three Hundred Fourty Eight and Paise Thirty Five Only. | Cu.m | 3110617.15 |
| 43 | 234.00 | 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 5.0 | 2890.62 | Rs.Two Thousand Eight Hundred Ninty and Paise Sixty Two Only. | Cu.m | 676405.08 |
| 44 | 31.00 | Providing and casting in situ Controled cement concrete M-200 mix for R.C.C. works in pier cap, abutment cap and dirt wall including controlled cement concrete M-250 bed blocks or pedestals of required size below bearings as per detailed drawing centering shuttering scaffolding wherever | 3845.42 | Rs.Three Thousand Eight Hundred Fourty Five and Paise Fourty Two Only. | Cu.m | 119208.02 |
| 45 | 105.00 | Providing and laying weep holes in abutment and return by using A.C. pipe of 100 mm dia. Including fixing in proper grade and jointing etc. complete as per detailed specification | 55.05 | Rs.Fifty Five and Paise Five Only. | No. | 5780.25 |
| 46 | 97.00 | Providing and casting in situ Controled cement concrete M-250 mix for R.C.C. solid slab including centering, scaffolding, curing and finishing complete. | 4289.72 | Rs.Four Thousand Two Hundred Eighty Nine and Paise Seventy Two Only. | Cu.m | 416102.84 |
| 47 | 25.00 | Providing 12 mm thick pre- moulded asphalt filler joints as per drawings | 769.92 | Rs.Seven Hundred Sixty Nine and Paise Ninty Two Only. | Sq.m | 19248.00 |
| 48 | 19.00 | Providing and casting in situ control cement concrete M – 250 for average 75 mm thick wearing coat laid as directed including temping,vibrating, finishing, curing and filling in joints with bitumen complete | 4036.31 | Rs.Four Thousand Thirty Six and Paise Thirty One Only. | Cu.m | 76689.89 |
| 49 | 34.00 | Providing and casting in situ controledordinary cement concrete M-250 for approach slab including formwork, curing and finishing complete. | 3907.99 | Rs.Three Thousand Nine Hundred Seven and Paise Ninty Nine Only. | Cu.m | 132871.66 |
| 50 | 10.78 | Providing thermo mechanically treated bars (T.M.T.) Fe415 for R.C.C. work including bending, binding and placing in position etc. complete. (A) Solid slab | 61665.99 | Rs.Sixty One Thousand Six Hundred Sixty Five and Paise Ninty Nine Only. | M.T. | 664882.70 |
| 51 | 331.00 | Providing and laying filter media 600 mm thick as directed at the back of abutment, return and wing wall as per detailed specification. | 786.89 | Rs.Seven Hundred Eighty Six and Paise Eighty Nine Only. | Sq.m | 260460.59 |
| 52 | 222.00 | Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materilas with all lead and lift (ii) In Cement Mortar | 357.39 | Rs.Three Hundred Fifty Seven and Paise Thirty Nine Only. | Cu.m | 79340.58 |

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| 53 | 68.00 | Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) RCC work | 687.20 | Rs.Six Hundred Eighty Seven and Paise Twenty Only. | Cu.m | 46729.60 |
| 54 | 1.69 | Providing Mild Steel reinforcement for RCC work including bending, binding and placing in position complete upto floor two level | 54653.24 | Rs.Fifty Four Thousand Six Hundred Fifty Three and Paise Twenty Four Only. | M.T. | 92363.98 |
| | | | | | | 18145042.85 |

I/We am/are willing to carry out the work at% Above/Below

Percent (should be written in figures and words) of the estimated rates mentioned above. Amount of my/over tender works out as under.

*Estimated Amount

Put to Tender Rs.....

Deduct :.....% Below Rs.....

Net Rs.....

*Estimated Amount

Put to Tender Rs.....

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

Total Rs.....

Note 1 All works shall be carried out as per Public Works Department Handbook and other specifications of Division or as directed.

Note 2- All the columns is schedule should be filled in ink and the total of the entries in the last columns should be struck by the contractor under his

Note-3 Rates quotes include clearance 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.

નોંધ -3 :- ટાંકેલા દરમાં સ્થળની (કામના આરંભે અને પૂરૂ થાય તે વખતે) દરેક રીતે સાફ સૂકી કરવાનો સમાવેશ થાય છે. અને તે દરતમામ

પરિસ્થિતિ સ્થળે જ હવામાન વગેરે હેઠળ કામ માટે અમલમાં રહેશે

Note-4 To be continued on additional sheets, if found necessary.

નોંધ : ૪- જરૂર જણાય વધારાના કાગળો જોડી ચાલુ રાખવું.

Executive Engineer
Panchayat R&B Division
D.B.Dwarka