

Name of work:**Suvidhapath Yojana Year -2025-26****Constructing a C.C. road on Barumal Gurudham Dudhabhavan to Amali Road. Km (0/0 to 0/800) Ta. Dharampur, Dist. Valsad.****SCHEDULE - B****Memorandum showing items of works to be carried out**

It. No.	Quantities estimated but may be more or		Item of work	Estimated Rates		Unit	Total Amount according to
				In figures	In words		
1	2		3	4	5	6	7
1	0.16	Hect.	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(D) By mechanical means in area of thorny jungle	34889.38	Rs. Thirty Four Thousand Eight Hundred Eighty Nine and Paise Thirty Eight Only.	Hect.	5582.30
2	3125.00	Cu.mt.	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.	104.04	Rs. One Hundred Four and Paise Four Only.	Cu.mt.	325125.00
3	5448.00	Sq.mt.	Rolling and consolidation of soling including filling in depression which occur during the process, with power roler 8 tonne to 12 tonne.	22.36	Rs. Twenty Two and Paise Thirty Six Only.	Sq.mt.	121817.28
4	20.00	Rmt	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 C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(iii) 600mm dia.	1952.00	Rs. One Thousand Nine Hundred Fifty Two Only.	Rmt	39040.00
5	576.00	Cu.mt.	Filling with hard murrum on side of paver block in layer of 20cm thickness including watering, ramming and consolidating etc. complete.	494.90	Rs. Four Hundred Ninty Four and Paise Ninty Only.	Cu.mt.	285062.40

1	2		3		5	6	7
6	528.00	Cu.mt.	Construction of Granular Sub Base by providing coarse graded machine crushed B. T. material satisfying MOST Specification of Grading - I using 53 mm to 26.5 mm @ 30% (M.C. Metal), 26.5 mm to 4.75 mm @ 60% (M.C.Metal), 2.36 mm below @ 10% (Stone Dust) including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density with C.B.R. > 30% etc. complete.	769.62	Rs. Seven Hundred Sixty Nine and Paise Sixty Two Only.	Cu.mt.	406359.36
7	755.00	Cu.mt.	Providing and laying wet mix macadam base course 150mm thick as per MORTH specification using machine crushed B.T. chips as per required gradation, mixing with required optimum quantity of water, conveying the mix to site of work, spreading in to grade and camber with paver/mechanical means and consolidation each layer with vibratory roller to aschieve the desired density including cost of material labour plant and equipment etc. complete.	854.46	Rs. Eight Hundred Fifty Four and Paise Fourty Six Only.	Cu.mt.	645117.30
8	575.20	Cu.mt	Construction of dry lean cement 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 a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.	2715.89	Rs. Two Thousand Seven Hundred Fifteen and Paise Eighty Nine Only.	Cu.mt	1562179.93

1	2		3		5	6	7
9	1047.00	Cu.mt	Construction of un-reinforced,dowel jointed at expansion and construction joint only,plain cement concrete pavement thickness as per design,over a prepared sub base with 43 grade cement or any other type as per engineer incharge directed M-30 (grade) using cement @ 500.00kg per Cum coarse and fine aggregate conforming to IS 363 maximum size of coarse aggregate not exceeding 25mm size in a concrete mixer of not less then 0.20cum.capacity and appropriate weigh batcher using approved mix design,laid in approved fixed side form work (Steel channel,laying and fixing of 125 micron thick polythene film,wedges,steel plates including levelling the formwork as per drawing),spreading the concrete with shovels,rakes,compacted using needle,screened and plate vibrators and finished in continuous,operation including strips,primer sealent,0.50mt long 25mm dia dowel bars and construction joints,admixtures as approved curing of concrete for 14 days,curing compound (where specified) and water finishing to lines and grade as per drawing and technical specification clause 1501.	5483.29	Rs. Five Thousand Four Hundred Eighty Three and Paise Twenty Nine Only.	Cu.mt	5741004.63
10	960.00	Sq.mt.	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically 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 guidlines of IRC : SP 63-2018 etc. Complete.	686.90	Rs. Six Hundred Eighty Six and Paise Ninty Only.	Sq.mt.	659424.00
11	2.00	No.	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 lettering and painting etc. complete. (For O.D.R. & V.R.)	704.33	Rs. Seven Hundred Four and Paise Thirty Three Only.	No.	1408.66
12	3.00	No.	Providing and fixing Hectometer stone as per I.R.C. type design including lettering and painting etc. complete. (ii) Fixing in C.C. 1:5:10	356.50	Rs. Three Hundred Fifty Six and Paise Fifty Only.	No.	1069.50

1	2		3		5	6	7
13	1.00	No.	Informatory signs: Providing and fixing sign boards made out of 2mm aluminium sheet; size 80 x 60cms. 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 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 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol for each board shall details of symbol 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)..	3856.90	Rs. Three Thousand Eight Hundred Fifty Six and Paise Ninty Only.	No.	3856.90
14	2.00	No.	Logo Board:- Providing and fixing Logo Board made out of 2mm aluminium sheet, as per the drawing & design. Pre treated with phosphating process and acid etching coated with one coat of epoxy primer and two coat of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, 3.1 Mt. long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3 mm, 75 x 75 x 6 mm as required painted with best quality epoxy coatings in black and white bends. The details of symbol 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 leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (A)Engineer grade.	5050.00	Rs. Five Thousand Fifty Only.	No.	10100.00

1	2	3		5	6	7
15	1.00	No.	Village name/ Bump Ahead sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 60cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & 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 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)...	6397.43	Rs. Six Thousand Three Hundred Ninty Seven and Paise Fourty Three Only.	No. 6397.43
16	1.00	No.	Providing & fixing junction boards made out of 4mm ACP sheet size 120 X 90 cms rectangle with massage on both side of board, as per the design of IRC. Pre treated with phospheting process and acid etching with one coat of epoxy primer and two coats of best quality epoxy paint,front side reflectorised with high intensity Micro Prismatic Grade Type -IV retro reflective sheeting as per the IRC-67 and latest MOST specification and back side message / lettering shall be painted with ready mix synthetic enemal paints of superior quality in required shade and color as specified, mounted on 2 nos of 3.6mt long stand stand pst of iron angle 50x50x6mm and frame fabricated from suitable MS angle of 40x40x3mm as required,painted with best quality epoxy coating in black and white bends.The details of the letters / symbols for 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 45x45x60 cms for each leg, including excavation, curingetc complete under the supervision of Engineer in charge.	6754.88	Rs. Six Thousand Seven Hundred Fifty Four and Paise Eighty Eight Only.	No. 6754.88

1	2		3		5	6	7
17	160.00	Sq.mt.	Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm 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 liminance coefficinet on cemend road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service lifeduring 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 35-2015. Warranty for the Retro reflectivity should be two years.	367.72	Rs. Three Hundred Sixty Seven and Paise Seventy Two Only.	Sq.mt.	58835.20
18	107.00	No	Cat Eye / Road Stud / RPM: Supplying of Molded Twin Shanks Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with micro prismatic 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 DO III Dt 11.06. 1997. The height, width and length shall not exceed 20mm, 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 strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and The color of the marker should be as per the IRC 35-2015 and as directed by Engineer-in-charge.	217.40	Rs. Three Hundred Sixty Seven and Paise Seventy Two Only.	No	23261.80

1	2		3		5	6	7
19	4.00	Nos	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 x75 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	3711.75	Rs. Three Thousand Seven Hundred Eleven and Paise Seventy Five Only.	Nos	14847.00
20	4.00	No	Hazard Marker Sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 90x30 cms. 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; 1.8mtr 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 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol 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	2423.74	Rs. Two Thousand Four Hundred Twenty Three and Paise Seventy Four Only.	No	9694.96

1	2		3		5	6	7
21	3.00	No	Supplying & fixing R.C.C. Benches of RCC 1:2:4 Finished with chaina mozaq tiles chips and etc. Complete.(As per M.R.)	7575.00	Rs. Seven Thousand Five Hundred Seventy Five Only.	No	22725.00
							9949663.53

Rs. Ninty Nine Lack Fourty Nine Thousand Six Hundred Sixty Three and Paise Fifty Three Only.

I/We am/are willing to carry out the work at _____ % above/below (percent should be written in figures and in words) of the estimated rates 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 amount

put to tender

Rs. _____

Add ____ % above

Rs. _____

Total

Rs. _____

In words _____

*(Please strike out which ever is not applicable)

Note 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.

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

Note 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.

Signature of Bidder

Executive Engineer
Panchayat (R&B) Division
Valsad