

UNA NAGARPALIKA

UNA, DIST. GIR - SOMNATH

Name of Project : PATCHWORK, REPAIRING & RESURFACING OF ASPHALT ROAD, C.C. ROAD & PAVER BLOCK ROAD DUE TO DAMAGE BY HEAVY RAINS IN VARIOUS AREAS OF UNA, DIST. GIR-SOMNATH

SCHEDULE - "B"

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
1	1.00	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 upto 50 M.	0.00	0.00	cum	0.00
2	1.00	Scarifying gravelled macadam or bitumen macadam surface 6 cm to 10 cm.depth including stacking useful materials on road side and disposing off remaining stuff.	0.00	0.00	Sqm	0.00
3	1.00	Providing and laying compacted W.B.M. 100 mm. thick of Grading-I B.T. metal of size 40 mm to 63 mm including using 22% Stone screening 13.2 mm size and 7% stone dust as filler including spreading, watering and consolidation by vibratory roller etc. complete	0.00	0.00	cum	0.00
4	1.00	Providing and laying compacted W.B.M. 150 mm. thick of Grading-II B.T. metal of size 40 mm to 63 mm in two layers including using 13% Stone screening 13.2 mm size and 7% stone dust as filler including spreading, watering and consolidation by vibratory roller etc. complete.	0.00	0.00	cum	0.00
5	1.00	Providing, Supplying and laying compacted W.B.M. Grading-II at Potholes B.T. metal of size 40 mm to 63 mm in two layers including using 13% Stone screening 13.2 mm size and 7% stone dust as filler including spreading, watering and consolidation by vibratory roller etc. complete.	0.00	0.00	M.T.	0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
6	1.00	Providing and laying 75mm thick Built up spray grout in two layers using black crashed stone aggregate as per gradation and specification including using cationic rapid setting emulsion for tack coat at the rate of 4.00 kg./10 Sqm by mechanical sprayer and bitumen of VG-30 grade for mixing at the rate of 19.90kg/M.T. by weight of total mix (i.e. 1.99%) and mixing the aggregate and bitumen by continuous batching drum mix plant and spreading the same by paver finisher and consolidation by vibrator roller including cost of all materials, fuel, labours, tools and plants, using contractor's own machineries	0.00	0.00	M.T	0.00
7	1.00	Providing and laying 37.5mm thick compacted bitumenous macadam using black crushed stone aggregate and filler material as per gradation of M.O.R.T. & H. specification including using catonic rapid setting emulsion for tack coat at the rate of 2.50 kg/10 sqm., by mechanical sprayer and bitumen of 60-70 grade for mixing at the rate of 34.00Kg/M.T. by weight of total mix (i.e.3.4%) and mixing the aggregate and bitumen by continuous drum mix plant and spreading the same by paver finisher and consolidation by vibratory roller including cost of all materials, fuel, labours, tools and plants, using contractor's own machineries.	0.00	0.00	M.T	0.00
8	1.00	Providing and laying 50mm thick compacted bitumenous macadam using black crushed stone aggregate and filler material as per gradation of M.O.R.T. & H. specification including using catonic rapid setting emulsion for tack coat at the rate of 2.50 kg/10 sqm., by mechanical sprayer and bitumen of 60-70 grade for mixing at the rate of 34.00Kg/M.T. by weight of total mix (i.e.3.4%) and mixing the aggregate and bitumen by continuous drum mix plant and spreading the same by paver finisher and consolidation by vibratory roller including cost of all materials, fuel, labours, tools and plants, using contractor's own machineries.	0.00	0.00	M.T	0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
9	1.00	Providing and laying 25mm thick semi dense bitumenous concrete using black crushed stone aggregate and filler materials as per gradation of M.O.R.T & H. specification including using bitumen of 60-70 grade of mixing at the rate of 50.00 Kg/M.T. by weight of total mix (i.e. 5.00%) and mixing the aggregate and bitumen by continuous drum mix plant and spreading the same by paver finisher and consolidatoin by vibratory roller including cost of all materials, fuel, labours, tools and plants, using contractor's own machineries.	0.00	0.00	M.T	0.00
10	1.00	Providing and laying asphalt painting (VG-30 grade) on B.T surface using bulk asphalt @ 5.00 kg/10 sqm & spreading stone dust @0.03 cum/10 sqm on painted surface including cost of asphalt & stone dust & all labour work incl. rolling with PTR roller etc complete.	0.00	0.00	Sqm	0.00
11	1.00	Road Marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied themoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm are, thikness 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 line/ center line/ edge line/ cut patta. The white color marking should provide; iminace coefficient on comend road shall be min 130 mcd/m2/lux during the service life during the day time. The marking should meet the performace criteria for night time reflectivety, wet reflectivity and skid resistance as mentioned in the section-15 if IRC 35-2015. Warranty For the retro reflective should be two years	0.00	0.00	Sqm	0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
12	1.00	Cat Eye / Road Stud / RPM ; Supplying raised pavement Market made of polycarbonate and ABS moulded 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 M 4280 type h and complying to specification of catagory A of MORTH circular No RW/NH/33023/10-97 D DO III dt 11.06.1997.The highht, width and lenth shall not exceed 20 mm,130 mm and 130 mm andwith the slop 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 manufacturer of the marker. The color of the marker should be as per the IRC 35 2015 and directed by engineer-in-charge.	0.00	0.00	Nos.	0.00
13	1.00	Tracing Of Old Manhole At Every 30 Mt	0.00	0.00	Each	0.00
14	1.00	Modification Of Existing House Connection Chambers, Rising up to 23cm. Average of 0.23m Wide R.C.C. Coping with inside 15mm Thick Cement Plaster,Curing And Dismantaling Existing Chamber's Precast cement frame and Cover and Also Fitting The Coping Work as Directed as Required and also refitting of existing house connection chamber's coller and cover as required.	0.00	0.00	Each	0.00
15	1.00	RCC precast M.H. Frame & cover manufacture, supply & Delivery at store or at site of work precast RCC M-200 frame & cover suitable to drainage M.H. and as per type design & Drawing including cost of reinforcement M.S. angle or flate, curing, mold work etc. Heavy Duty frame & cover suitable of 50cm opening of MH	0.00	0.00	Each	0.00
16	1.00	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. Work	0.00	0.00	Cum	0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
17	1.00	Providing and laying cement concrete 1:3:6 (1-Cement : 3-Coarse Sand : 6-Stone aggregate of 40 mm Nominal size) and curing complete excluding cost of form work in : (a) Foundation and plinth	0.00	0.00	Cum	0.00
18	1.00	Providing and casting in situ ordinary cement concrete M 200 for kerb / kerb blocks including formwork, curring and finishing complete	0.00	0.00	m3	0.00
19	1.00	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pnumatic 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.	0.00	0.00	Sqm	0.00
20	1.00	Providing and fixing pre-cast Rubber Dye inter locking concrete block 80mm thick with grade of concrete M300 pnumatic compressed by mechanically pressed and as per approved design including 75mm Sand layer for levelling and filling the joint with sand in proper line and level etc complete.	0.00	0.00	Sqm	
21	1.00	Refitting of pre-cast Rubber Dye inter locking concrete (Paver Block) including 75mm thick sand layer for levelling and filling the joint with sand in proper line and level etc. complete	0.00	0.00	Sqm	0.00
22	1.00	Providing and casting in situ ordinary cement concrete M-200 for average 100 mm thick wearing coat laid as directed including tamping, vibrating, finishing, curing and filling in joints with bitumen complete.	0.00	0.00	Cum	0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7
23		A (i) Shape the pothole in square or rectangle and remove all loose material. (ii) Prepare the solution in the ratio of 1 kg silane nanotechnology with 100 liter water (< 1000 ppm TDS). Spray the solution 1 liter per sqm to make water resistant pothole / patch.B. Prepare the solution in the ratio of 1 kg silane and 200 liter water (< 1000 ppm TDS). Spray the solution 5% by weight of WMM mix in pug mill for treating WMM mix. Transfer the silane treated mix to site of work by contractors own tipper. Fill water resistant WMM mix in pothole / patch in such a way that top 50 mm depth remain empty for cold mix filling. (change RA according to the depth of pothole). C. Prepare and Spray the mixture of 1 kg silane : 200 kg CSS1 cationic bitumen emulsion water based: 20 liter water (< 1000 ppm TDS) at the rate of 1 liter per sqm on compacted surface. D. a) Add 0.425 kg silane nanotechnology in 85 kg of CSS1 cationic bitumen emulsion water based under manual stirring. Add 8.5 liter water (<1000ppm TDS) means 10% of CSS1 bitumen emulsion in the solution under manual stirring for improving workability. (b) Pour the prepared bitumen emulsion solution on 915 kg aggregates under manual / mechanical mixing. (c) Fill and spread the cold mix in pothole / patch area. Compact the mix using mechanical roller or plate compactor. E. Spray mixture of 1 kg silane : 200 kg CSS1 : 20 liter water (< 1000 ppm TDS) at the rate of 1 liter per sqm followed by spreading of stone dust on it.				
	1.00		0.00	0.00	Sqm	0.00
		Total				0.00

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7

One percent of the Estimated cost of work put to tender shall be recovered from the running bills of the contractor as testing charges, after deducting the cost of material proposed in scheduled-A at basic rate. One percent labour cess will be deducted from contractor's bill.

I/ We am/are willing to carry out the work at _____% above / below _____%

below / above the estimated rates mentioned above amount of my / our tender works out as under :-

Estimated amount put to tender :

Estimated amount put to tender :

Rs. _____.

Rs. _____.

Add _____% above _____.

Deduct _____% below _____.

Rs. _____.

Rs. _____.

Net Rs. _____.

Net Rs. _____.

In words Rs. _____.

In words Rs. _____.

Signature of contractor

**Chief Officer
UNA NAGARPALIKA
UNA**

Item No.	Quantities Estimated but may be more or less	Item Description	Rates (Excluding G.S.T.)		Unit	Total Amount according to estimated quantities.
			in Figure	in Words		
1	2	3	4	5	6	7

Notes :

- 1) All the work shall be carried out as per MOST specification and specification on the division or as directed.
- 2) Rates quoted includes clearance of site (prior to commencement of work and at its closed) in all respects and held gross for under all conditions, site moisture weather etc.
- 3) In RCC item when there is change in grade of concrete mix or change in consumption of cement as per actual mix design then the difference in consumption of cement shall be deducted from the rate of original item valued at the star rate as mentioned in tender. However no extra payment shall be made for use of additional Quantity of cement as per actual concrete mix design. Concrete mix design shall be done in GERI laboratory only.
- 4) The Contractor shall exhibits a board as per Govt. circular No. 2DK – 3277 / 1657 N Dt. 26-01-73 with detail of specification and details of work and amount involved at site without any payment as directed by the Engineer in charge.
- 5) Testing of materials be as per statement attached with the Specifications, the materials shall be tested in G.E.R.I. Bill for testing shall be paid by the Executive Engineer and 1% of the (one percent) of amount put to tender after shall be recovered from the running account bills of the works. (As per G.R. (R&B) Deptt., No. TNC/1085/4/C dtd. 20.12.91.
- 6) The contractor shall quote even "NIL" if no reduction is proposed.
- 7) One precent of estimated cost put to tender for this work shall be recovered from the contract payments as "LABOUR CESS". In terms of the Gujarat Government Gazette Extra ordinary dated 12.12.04. Implementation of building and other construction workers regulation of equipments and conditions of service Act-1996)
- 8) Photographs of before work and after work will be submitted by the contractor at the time of each bill submission.
- 9) The contractor is solely responsible to bare all applicable taxes. (Exclunig GST only and including all others) etc. and department will not entertain any contractor representation to reimburse any financial burden due to applicable taxes.
- 10) The contractor shall quote the price of the items exclusive rate of GST. GST rates will be paid separately in the bill to the contractor.

Signature of contractor

**Chief Officer
UNA NAGARPALIKA
UNA**