

**Name of Work :- Emergency / Essential / Restoration Work Schedules for Various Roads under District (R & B) Division, Rajkot (For Asphalt Patch work)**  
**SCHEDULE-B**

Sr. No.	Description of Item	Unit	SOR Rate
1	2	3	4
1	Providing and laying 50 mm thick (Compacted) Bituminous Macadam in single layer for Patch work on the existing B.T. surface using stone chips as per gradation and using bitumen for tack coat at 2.5 Kg/10 Sqmt. on B.T. surface and 34 Kg. i.e. 3.40% (VG-30) grade per 1 M.T. of mix by using stone chips as per MORTH specification including heating asphalt and aggregates by Drum Mix Plant and spreading by <b>Paver Finisher</b> including consolidation with vibrato roller and providing, operating plant machineries, equipment, tools, plants, oil fire wood, kerosene and all labor charges etc. complete (using contractor's own Drum mix plant and machineries)	MT	4115.00
2	Providing and laying 50 mm thick (Compacted) Bituminous Macadam in single layer for Patch work on the existing B.T. surface using stone chips as per gradation and using bitumen for tack coat at 2.5 Kg/10 Sqmt. on B.T. surface and 34 Kg. i.e. 3.40% (VG-30) grade per 1 M.T. of mix by using stone chips as per MORTH specification including heating asphalt and aggregates by Drum Mix Plant and spreading by <b>Paver Finisher</b> including consolidation with vibrato roller and providing, operating plant machineries, equipment, tools, plants, oil fire wood, kerosene and all labor charges etc. Complete (using contractor's own Drum mix plant and machineries) <u>Asphalt supply by department free of cost</u>	MT	1215.00
3	Providing and laying 50 mm thick (Compacted) Bituminous Macadam in single layer for Patch work on the existing B.T. surface using stone chips as per gradation and using bitumen for tack coat at 2.5 Kg/10 Sqmt. on B.T. surface and 34 Kg. i.e. 3.40% (VG-30) grade per 1 M.T. of mix by using stone chips as per MORTH specification including heating asphalt and aggregates by Drum Mix Plant and spreading by <b>MANUALLY</b> including consolidation with vibrato roller and providing, operating plant machineries, equipment, tools, plants, oil fire wood, kerosene and all labor charges etc. Complete (using contractor's own Drum mix plant and machineries)	MT	3965.00
4	Providing and laying 20 mm thick average for patchwork Mix sealsurface using stone chips dust as per gradation and using bitument for tack coat at 2.50kg/10 sq.m and for mixing (VG-30 Grade) at the rate of not less than 50.90Kg / M.T. on BT surface using stone chips as per M.O.R.T.H specification including heating the asphalt and aggregates by Hot Mix Plant and spreading the same by <b>Paver Finisher</b> including consolidation with Vibratory Roller and providing, operating plant machineries, equipment, tools, plants, oil, fire wood, kerosene and all labour charges etc. complete.	MT	5661.00
5	Providing and laying 20 mm thick average for patchwork Mix sealsurface using stone chips dust as per gradation and using bitument for tack coat at 2.50kg/10 sq.m and for mixing (VG-30 Grade) at the rate of not less than 50.90Kg / M.T. on BT surface using stone chips as per M.O.R.T.H specification including heating the asphalt and aggregates by Hot Mix Plant and spreading the same by <b>Paver Finisher</b> including consolidation with Vibratory Roller and providing, operating plant machineries, equipment, tools, plants, oil, fire wood, kerosene and all labour charges etc. complete.(Ashphalt issued by department-free of cost)	MT	1157.00

6	Providing and laying 20 mm thick average for patchwork Mix sealsurface using stone chips dust as per gradation and using bitument for tack coat at 2.50kg/10 sq.m and for mixing (VG-30 Grade) at the rate of not less than 50.90Kg / M.T. on BT surface using stone chips as per M.O.R.T.H specification including heating the asphalt and aggregates by Hot Mix Plant and spreading the same by <b>MANUALLY</b> including consolidation with Vibratory Roller and providing, operating plant machineries, equipment, tools, plants, oil, fire wood, kerosene and all labour charges etc. complete.	MT	5511.00
7	Providing and laying Bituminous Grout 37.50 mm thick compacted with asphalt VG-30 grade at the rate of 1.99% by weight of total mix with tack coat at 2.50 Kg/10 Sqmt. On existing B.T. surface and using B.T. chips of required gradation including cleaning & heating the aggregate and asphalt by continuous batching of Continuous batching Drum Mix Plant & spreading the same by <b>Paver Finisher</b> & consolidation with vibratory road roller including providing all materials, equipments, tools, plants, fire wood, kerosene, oil and labor charges etc. comp. (using by contractor own machineries)	MT	3179.00
8	Providing and laying Bituminous Grout 37.50 mm thick compacted with asphalt VG-30 grade at the rate of 1.99% by weight of total mix with tack coat at 2.50 Kg/10 Sqmt. On existing B.T. surface and using B.T. chips of required gradation including cleaning & heating the aggregate and asphalt by continuous batching of Continuous batching Drum Mix Plant & spreading the same by <b>Paver Finisher</b> & consolidation with vibratory road roller including providing all materials, equipments, tools, plants, fire wood, kerosene, oil and labor charges etc. comp. (using by contractor own machineries) Asphalt supply by department free of cost.	MT	1322.00
9	Providing and laying Bituminous Grout 37.50 mm thick compacted with asphalt VG-30 grade at the rate of 1.99% by weight of total mix with tack coat at 2.50 Kg/10 Sqmt. On existing B.T. surface and using B.T. chips of required gradation including cleaning & heating the aggregate and asphalt by continuous batching of Continuous batching Drum Mix Plant & spreading the same by <b>MANUALLY</b> & consolidation with vibratory road roller including providing all materials, equipments, tools, plants, fire wood, kerosene, oil and labor charges etc. comp. (using by contractor own machineries)	MT	3029.00
10	Painting on B.T. Surface with bitumen grade VG-30 @ of 5 Kg/ 10-sq.m. by mechanical cap sprayer and spreading the stone dust on prepared surface of 0.03 Cum/10-sq.mt. and rolling with smooth wheeled and pneumatic roller and brushing etc. comp.	Sqm	52.00

11	Providing laying and rolling of 37.5mm thick Built Up spray Grout in two layer using bitumen VG-30 for tack coat at the rate of 4.00 Kg/10-Sqm. On WBM /BT surface with spreading stone agg. at the rate of 0.50 cum/10-sqm with dry rolling and spraying bitumen over it at the rate of 15 Kg/ 10sqm. And then spreading over it stone agg. at the rate of 0.13 cum/ 10-sqm of key agg on top in accordance with the requirement of specification incl. cost of stone agg. bitumen consolidation with vibratory roller, necessary firewood labor charges machineries equipment tools etc. comp.	Sqm	235.00
12	Construction of granular sub-base (Grade-I) 150 mm thick by providing coarse graded materials spreading in uniform layers with mortar graders on preparing surface, mixing by mix in place method with rotavator at O.M.C. and compacting with vibratory roller to achieve the desired density complete as per clause 401 (using crushed metal as per table 400.1, 53 mm to 26.5 mm @ 35 %, 26.5 to 4.75 mm 45%, 9.5 to 2.36 mm 20%)	Cum	1747.00
13	Construction of 200mm Granular Sub base Grade-II C.B.R. not less than 30% by providing coarse graded materials, consisting B.T. crushed stone aggregate & combination of sand stone dust/grit spreading in uniform layers with mortor grader on prepared surface mixing by mix in place method with rotavator at OMC to required density including filling the depression which occur during the process using vibratory roller 8 T to 10 T complete as per clause 401.	/ Cum.	1696.00
14	Providing, laying, Spreading and compacting B.T.M.C. Stone Aggregat of 90mm to 45mm size to W.B.M. 100 mm thick including Spreading in Uniform thickness hand patching, Rolling with Vibratory roller 8-10 tonnes tov proper grade and camber, applying and brooming requisite type of Screaning / binding / siller materials to till of the Inter section of cross aggregate noteraj and Compacted to the Requaired dencity Grading-I Using screaning type-A [13.20 mm Aggregate].	Cum	2172.00
15	Providing and laying Spreading and Compacting B.T.M.C. stone aggregate of 63 mm to 45mm size to W.B.M 150 mm thick in two layer including spreding in uniform thickness hand packing rolling with vibratory roller 8-10 tones to proper grad and camber applying and brooming requisite type of screening /binding /filler materials to fill up the interstices of coarse aggregate watering and compacting to the required density. Grading – II using screening type- A [13.20 mm agg.]	Cum	1351.00
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam in compacted thickness of 250 mm spacification including trimix the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers (Layer should not be more than 200 mm)with paver in sub base/base course on well prepared surface and camber with Sensor paver consolidation by vibratory road roller to achieve the desired density by using machine crushed chips as per required gradation mixing with required optimum quantity of water incl material, labour, plant and machinary and equipment etc. complete.	Cum	1581.00
17	Supplying and stacking BS crushed stone aggregate of hard stone 25 to 40mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc. for all lead and lift	Cum	1160.28
18	Supplying and stacking BS crushed stone aggregate of hard stone 10 mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc. for all lead and lift	Cum	1030.40
19	Supplying and stacking BS crushed stone aggregate of hard stone 6 mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc. for all lead and lift	Cum	908.40
20	Supplying and stacking stone dust free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc. for all lead and lift	Cum	787.99
21	Spreading the stone aggregate of any size / H.B. Metal / quarry spalls etc. on road site as directed (SOR-26018)	Cum.	247.28
22	Spreading Stone dust / murrum on road site in line level as directed. (SOR-26020)	Cum.	146.01
23	Supplying and spreading cold mix asphalt for patch work including surface cleaning as per instruction of engineer incharge for all lead and lift.	MT	35500.00

24	Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen meeting the requirements given in table 500-39, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated finegrained hard stone chipping of 13.2 mm nominal size at the rate of 0.005cum per 10 sqm and at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surfaces is not less than 1000C, protruding 1 mm to 4 mm over mastic surface, all complete as per clause 516.	Sqmt	2230.21
----	---	------	---------

**Executive Engineer  
Dist R. & B. Division  
Rajkot**