

Name of Work :-**CR to Various Road Under R&B Sub Division, Patan**

- (1) Lanva - Manud - Sander - Balisana Road Km. 0/000 to 16/400
 (2) Sinhi - Sander - Ranuj - Sankhari - Patan Road Km. 0/000 to 5/150
 (3) Pimpal - Sarsav - Vasai - Finchal Road Km. 0/0 to 8/500
 (4) Sander - Dabhadi - Ruvavi - Unava to SH Road Km. 0/0 to 7/500
 (5) Islampura - Sojintra - Ganget Road Km. 0/0 to 2/750
 (6) Delmal - Bhatsar - Vadali road Km 14/200 to 28/200
 (7) Shihori - Patan Road Km. 9/460 to 34/000 (SH-130)
 (8) Kansa - Charup - Kimbuva Road Km. 0/000 to 12/600 (MDR)
 (9) Sinhi - Sander - Ranuj - Sankhari - Patan Road Km. 0/000 to 22/980
 (10) Chanasma - Patan - Deesa Road Km. 94/400 to 95/500
 (11) Harij - Patan Road Km. 15/000 to 27/000 (SH-10)
 (12) Sujnipur - Dunawada Rod Km. 0/0000 to 13/800 (MDR)
 (13) Bepader - Dunawada Road Km. 0/000 to 5/340
 (14) CR to Maniyari - Mithighariyal to S.H.road km 0/00 to 7/825
 (15) CR to Bhatsar - Dharmoda -Sedhal -Kharighariyal - Chandrumana road Km.0/00 to 6/7005
 (Asphalt Patch & MISC Work)

INDEX OF SPECIFICATION

Tender Item No.	Description of Item	Booklet Name	Item No. as per Standard specification booklet	Page No. as per Standard specification booklet	Remarks
1	2	3	4	5	6
1	Engaging earth excavator for scarifying existing B.T. surface 25mm to 30mm depth including stacking useful materials on road side and disposing off remaining stuff and Hire charges of excavator including diesel labourers drivers etc complete as directed.		As per Seperate Sheet Attached		
2	Providing & laying 50 mm thick B.M. with B.T. aggregates as per M.O.R.T.&H. specification & asphalt for tack coat at the rate of 2.5 kg./ 10 Sqm. with sprayer & bitumin grade VG - 30 for mixing at the rate of 34 Kg./M.T. i.e.3.40% of total weight of mix including heating the aggregate & asphalt in continuous batching drum mix plant and spreading the same and consolidation with vibratory roller including all materials equipments, tools & plants, fire wood, oil, kerosene, labour charges etc complete using contractor's own machinery drum mix plant etc. complete.		As per Seperate Sheet Attached		

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1	2	3	4	5	6
3	Providing & laying 25mm. thick compacted SDBC with B.T. Stone chips as per MORT&H gradation & specification & asphalt for tack coat at the rate of 2.5 kg./ 10 Sqm. with sprayer using bulk asphalt VG-30 for mixing at the rate of 50.00 Kg./MT by wt. of total mix i.e.(5.00% by weight of total mix) incl. heating the asphalt & aggregates by continuous batching drum mix plant & spreading the same incl. rolling & Consolidation with 10-12 tonnes vibratory roller & pro. all materials, equipments, tools and plants, fire wood, oil, kerosene, labour charges etc and using contractor's own machineries drum mix plant including supplying etc. complete		As per Seperate Sheet Attached		
4	Providing & laying 30 mm. thick Compacted Asphaltic Concrete with BT aggregate as per MORT&H gradation & specification & asphalt for tack coat at the rate of 2.5 kg./ 10 Sqm. with sprayer using asphalt VG-30 for mixing at the rate of 55 Kg./M.T. i.e. 5.50% of total weight of total mix including heating the aggregate & asphalt in continuous batching drum mix plant & spreading the same by paver finisher & consolidation with vibratory roller & flushing sand @ 0.30 Cum/ 100 Smt. including providing all materials equipments, tools & plants, fire wood, oil, kerosene, labour charges etc complete using contractor's own machinery drum mix plant & manually etc complete.		As per Seperate Sheet Attached		
5	Providing & laying 50 mm thick compacted D.B.M. with B.T. stone aggregates as per MORT&H gradation & specification with sprayer and bitumen grade (VG-30) for mixing at the rate of 45.0 kg/M.T. by weight of total mix i.e.(4.5% by weight of total mix) including heating the asphalt & aggregates by continuous batching drum mix plant & spreading the same including rolling & consolidation with 10-12 tones vibratory and power roller & providing all materials, equipments, tools & plants, fire wood, oil, kerosene, labour charges etc. and using contractors own machineries drum mix plant etc. comp. (Without Tack Coat)		As per Seperate Sheet Attached		
6	Providing and laying Surface painting or dressing for crack sealing / filling on BT Surface with bitumen grade (VG-30) at the rate of 10.00 kg/10 sqm by mechanical spreyer and spreading the stone dust on prepared surface at the rate of 0.03 cum/10 sqm and rolling with smooth wheeled and pneumatic roller and brushing etc.complete		As per Seperate Sheet Attached		
7	Providing and Laying Compacted WBM 150mm thickness of B.T.M.C. metal of size 43 to 63mm size. Incl. using 20% grit & stone screening & stone dust as filler incl. spreading watering & consolidation by vibratory roller etc. complete. (Grade - I)		As per Seperate Sheet Attached		

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1	2	3	4	5	6
8	Providing, laying, spreading and compacting graded machine crushed black stone aggregates to wet mix macadam (WMM) in layers including premixing the material with water to O.M.C. in mechanically mix (Pug-mill) carriage of mix material by tipper to site, laying in uniform layers in base course on well prepared under base and compacting with power vibratory roller to achieve the desired density including lighting, guarding, barricading, benching and maintenance of diversion etc. complete.		As per Seperate Sheet Attached		
9	Providing and applying Primer Coat at 0.75 Kg./Smt. Over prepared surface of granular base with emulsion bitumen heated in bitumen boiler fitted with a spray set incl. cleaning of road surface complete.		As per Seperate Sheet Attached		
10	Hire charges for Tractor With Pavada with Diesel & Driver		Specitication as per Description & Instruction of		
11	Hire charges for Tractor With Trolley with Diesel & Driver		Specitication as per Description & Instruction of		
12	Hire Charge for Engaging Excavator with Diesel & Driver		Specitication as per Description & Instruction of		
13	Engaging Labour for maintainance of Roads & Buildings within the limit of Municipalites and the areas falling with the juridication of concern Urben Development Authority (Zone-I) excluding GST 18% and other responsibilites with profit		Specitication as per Description & Instruction of Engineer in charge.		
14	Hire Charges for Tendon Road Roller		Specitication as per Description & Instruction of		
15	Hire Charges for Brommer		Specitication as per Description & Instruction of		
16	Tipper-18 Cum (Surface Road)		Specitication as per Description & Instruction of		
17	Hire Charges for mobilization of Road Roller / Paver machine from Plant site of work		Specitication as per Description & Instruction of		
18	Hire Charges for Paver Finisher Mechanical		Specitication as per Description & Instruction of		
19	Supply of ready made bituminous cold mix pothole patching material for B.T. surface patch using medium curing cu-back bitumen MC-800 at the rate of 5.6% of total mix and it shall be conforming to IS L 2017 specification, including heating the material as specified in section 4 and materials stacked at the site of work by contractor's own dumper as and where directed within 60 Km lead from patan sub division. including providing all materials equipment T&P Oil, kerosene, labour charges etc. complete.		Specitication as per Description & Instruction of Engineer in charge.		
20	Hire Charges for Motor grader for grading @ 100 cum per Hour		Specitication as per Description & Instruction of		

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21	Providing and laying 37.50mm thick Built Up Spray Grout in one layer using bitumen for tack coat at the rate 7 kg./10 Sq.mt. on WBM/BT surface with spreading stone aggregate at the rate of 0.50 Cu.mt./10 Sq.mt. with dry rolling and second application of bitumen binder 13 Kg./10Sq.mt. and application of key aggregates over first compacted layer at the rate 0.13 Cu.mt/10 Sq.mt. spreading uniformly so as to cover surface completely including cost of stone aggregate., bitumen, rolling and compection with vibratory roller, necessary fire wood labour charges machineries equipment tools etc complete.		As per Seperate Sheet Attached		
22	Providing and laying 75 mm thick Bituminous Grout (BUSG) compacted with B.T. aggregate as per M.O.R.T. & H. specification and using emulsion (RS1) as per IS - 8887 for tack coat @ 2.50 KG. / 10 Sq.m. with mechanical sprayer and Bulk asphalt VG-30 for mixing @ 19.90 KG. / M.T. i.e. 1.99 % of total weight of mix, including heating and mixing asphalt and aggregate by continuous of drum mix plant and hot laid process laying with paver finisher and consolidation with roller as per M.O.R.T. & H specification to achieve desire density, including cost of labour, materials and plant, fuel, oil, kerosene, labour charges etc. complete using contractor's own machinery drum mix plant and paver finisher etc. complete.		As per Seperate Sheet Attached		

**Deputy Executive Engineer
Road & Building Sub Division
Patan**

**Executive Engineer
Road & Building Division
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