

NAME OF WORK :- M & R to Various Road Under R & B Sub Division, Radhanpur (Santalpur Section part-02) (1) madhutra-datrana-barara-dhokavada road km.0/0 to 11/980 (Pro.Asphalt Patch work, Metal Patch Work & Other Misc. Work)

INDEX OF SPECIFICATION

Tender Item No.	Description of Item	Volume No.	Item No. as per Standerd specification booklet	Page No. as per Standerd specification booklet	Remarks
1	2	3	4	5	6
1	Providing and laying compacted W.B.M. 150 mm thick of machine crushed B.T. metal of size 45 mm to 63 mm with using 20 % stone screenings as filler grit and stone dust including spreading, watering & consolidation by vibratory roller etc complete.	Road Work Booklet	4.a	23	
2	Providing and laying Spreading and compacting graded stone aggregate to wet mix macadam 100 to 150 mm thick as per MORT&H specification incl. premixing the material with water to O.M.C. in mechanical mix plant. Carriage of mixed material by tipper to site, laying in uniform layers with mechanical grader in sub base, base course on well prepared surface and compacting with vibratory roller to achieves the desired density.		As Per Separate Sheet Attached		
3	Supplying, Stacking and Spreading of Quarry Spall on road side shoulder including filling the measure boxes etc. completed as directed.	Road Work Booklet	4 (e)	22	
4	Constructing of Granular Sub base by providing graded material as per MORT&H table No.400.2 Grade II including spreading in uniforms layers with motor graders on preparing surface mixing by mix in place methid with rotator at once and compacting with vibratory roller & achive the desired density complete as per clause 401 for grading.		As Per Separate Sheet Attached		

Tender Item No.	Description of Item	Volume No.	Item No. as per Standard specification booklet	Page No. as per Standard specification booklet	Remarks
1	2	3	4	5	6
5	Engaging earth excavator for maintaing side shoulders, Removing fallen trees,obstracting Ganda Baval, or branches of trees on road, maintaining borrow pit,spreading metal,Rubble,quarry spall, cleaning of open area of building and other misc. works which can be done by earth excavator including diesel, drivers,lubricant etc complete as per direction and instruction of Engineer incharge.		As Per Separate Sheet Attached		
6	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in cm. 1:2 watering and laying (To level of slops) of I.S. 498/1971 Class NP 3 of following internal diameters. (v) 900 mm Dia	Road Work Booklet	33	58	
7	Providing and laying cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinth	Bldg. Work Booklet	5.3.13	40	
8	Box cutting the road surface to proper slope and chamber for making a base for road work including removing the excavated stuff and depositing on the road side slope as deirected up to 50 m.	Road Work Booklet	45	67	
9	Supplying,Stacking & Spreading of Crush Metal 45 to 63mm size on Road site as directed.	Road Work Booklet	4.C	21	
10	Supplying & Stacking of Ruble on road site as directed.	Road Work Booklet	68	79	
11	Rolling and watering of soiling including filling in depression which occu during the process. with power roller 8 tonne to 12 tonne	Road Work Booklet	1.E	16	
12	Hire charges Hitachi machine incl. fuel, driver on site for all lead etc complete as directed.		As Per Separate Sheet Attached		

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1	2	3	4	5	6
13	Hire charges Dumper with hydralice system including loading and unloading transporting and spreading the materials with necessary labours, drivers, incl. cost of fuel etc complete.		As Per Separate Sheet Attached		
14	Providing and supplying of Labour for maintaining road and building campus as per requirement.		As Per Separate Sheet Attached		
15	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(E) From Borrow area within 3.0KM. lead	Road Work Booklet	1-D	13	Work shall be carried out for all lead & lift
16	Engaging tractor with trolley or front loader as regd. Including loading and unloading transporting & spreading the materials up to 15 km lead with necessary labours/drivers, including cost of fuel etc complete as directed.		As Per Separate Sheet Attached		
17	Providing and laying 0.24 Cmt./10 Smt Seal Coat with B.T aggregate as per gradation using asphalt of VG-30 grade binder for mixing at the rate of 4.5% (Le.45 Kg./M.T.) by wt. of total mix including heating & mixing in drum mix plant & transporting mix material & spreading including Cost of fuel, higher charges, wood kerosene, labour charges etc by contractor's own machinery & plant, loading in Govt or Private dumper.	Road Work Booklet	23	48	0.24 cMT/ 10 Smt seal coat, Asphalt used 45 Kg/ MT
18	Providing & laying 20 mm thick M.S.S. with B.T. aggregate (as per M.O.R.T.&H. gradation) & bitumen grade VG-30 for mixing at the rate of 5.09 % (i.e. 50.90 Kg./M.T.) by wt. Of total mix including heating & mixing in drum mix plant & transporting mix material & spreading the same & consolidation with vibratory roller of 8 tone to 12 tone & flushing sand or stone dust at the rate of 0.03 Cum./10 Sqm. including cost of fuel, hire charges, wood, kerosene, labour charges etc. & with contractor's own machinery & plant etc. complete.	Road Work Booklet	47	68	

Tender Item No.	Description of Item	Volume No.	Item No. as per Standard specification booklet	Page No. as per Standard specification booklet	Remarks
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19	Providing & laying 25 mm. thick compacted SDBC with B.T. Stone chips as per MORT&H gradation & specification with 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 contineous batching drum mix plant & spreading the same by paver finisher incl. rolling & Consolidation with 10-12 tonnes vibratory & paver roller & pro. all materials, equipments, tools and plants, fire wood, oil, kerosene, labour charges etc and using contractor's own machinaries drum mix plant & paver finisher etc complete.		As Per Separate Sheet Attached		
20	Providing & laying 50 mm thick compacted D.B.M. with B.T. stone aggregates as per MORT&H gradation & specification with mechanical 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 & filling potholes, patches manually 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 & paver finisher etc. comp. (Without Tack Coat & Laying Manually Without Paver Machine)		As Per Separate Sheet Attached		

Deputy Executive Engineer
R & B Sub Division
Radhanpur