

**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 )**

## **BILL OF QUANTITY**

It No.	Quantities estimated but may be more or less	Item of Work	Estimate Rate		Unit	Total amount according to estimated qty
			Rs. In Figures.	In Words		
1	2	3	4	5	6	7
1	30.00	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.	2672.46	Rupees Two Thousand Six Hundred Seventy Two And Paise Forty Six Only	Cmt	80173.80
2	100.00	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.	2520.96	Rupees Two Thousand Five Hundred Twenty And Paise Ninety Six Only	Cmt	252096.00
3	25.00	Supplying,Stacking and Spreading of Quarry Spall on road side shoulder including filling the measure boxes etc.completed as directed.	1578.63	Rupees One Thousand Five Hundred Seventy Eight And Paise Sixty Three Only	Cmt	39465.75
4	25.00	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.	2086.66	Rupees Two Thousand Eighty Six And Paise Sixty Six Only	Cmt	52166.50
5	15.00	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.	898.73	Rupees Eight Hundred Ninety Eight And Paise Seventy Three Only	Hrs	13480.95
6	10.00	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	3446.50	Rupees Three Thousand Four Hundred Forty Six And Paise Fifty Only	Rmt	34465.00

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1	2	3	4	5	6	7
7	10.00	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	3575.49	Rupees Three Thousand Five Hundred Seventy Five And Paise Forty Nine Only	Cmt	35754.90
8	70.00	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 directed up to 50 m.	114.44	Rupees One Hundred Fourteen And Paise Forty Four Only	Cmt	8010.80
9	20.00	Supplying, Stacking & Spreading of Crush Metal 45 to 63mm size on Road site as directed.	1638.22	Rupees One Thousand Six Hundred Thirty Eight And Paise Twenty Two Only	Cmt	32764.40
10	15.00	Supplying & Stacking of Rubble on road site as directed.	1644.28	Rupees One Thousand Six Hundred Forty Four And Paise Twenty Eight Only	Cmt	24664.20
11	300.00	Rolling and watering of soiling including filling in depression which occur during the process. with power roller 8 tonne to 12 tonne	22.75	Rupees Twenty Two And Paise Seventy Five Only	Smt	6825.00
12	8.00	Hire charges Hitachi machine incl. fuel, driver on site for all lead etc complete as directed.	3030.00	Rupees Three Thousand Thirty Only	Hrs	24240.00
13	12.00	Hire charges Dumper with hydraulic system including loading and unloading transporting and spreading the materials with necessary labours, drivers, incl. cost of fuel etc complete.	40.40	Rupees Forty And Paise Forty Only	Km	484.80
14	15.00	Providing and supplying of Labour for maintaining road and building campus as per requirement.	510.05	Rupees Five Hundred Ten And Paise Five Only	No	7650.75

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1	2	3	4	5	6	7
15	70.00	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	186.39	Rupees One Hundred Eighty Six And Paise Thirty Nine Only	Cmt	13047.30
16	8.00	Engaging tractor with trolly or front pavada as regd. Including loading and unloading transporting & spreading the materials up to 15 km lead with necessary laboursdrivers, including cost of fuel etc complete as directed.	209.71	Rupees Two Hundred Nine And Paise Seventy One Only	Hrs	1677.68
17	150.00	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 contractors own machinery & plant, loading in Govt or Private dumper.	5846.89	Rupees Five Thousand Eight Hundred Forty Six And Paise Eighty Nine Only	MT	877033.50
18	30.00	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.	6784.17	Rupees Six Thousand Seven Hundred Eighty Four And Paise Seventeen Only	MT	203525.10
19	30.00	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.	6679.13	Rupees Six Thousand Six Hundred Seventy Nine And Paise Thirteen Only	MT	200373.90

It No.	Quantities estimated but may be more or less	Item of Work	Estimate Rate		Unit	Total amount according to estimated qty
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1	2	3	4	5	6	7
20	30.00	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)	6330.96	Rupees Six Thousand Three Hundred Thirty And Paise Ninety Six Only	MT	189928.80
				<b>Total</b>	=	<b>2097829.13</b>

I / We am / are willing to carry out the work at .....% below / above ( Should be written in figure and words ) of the tender rates mentined above Amount of my / our tender works out as under.

Tender amount Rs.....

Add.....% above Rs.....

Net in words Rs.....

Tender amount Rs.....

Less.....% below Rs.....

Net in words Rs.....

**Signature of Contractor**

Deputy Executive Engineer  
R & B Sub Division  
Radhanpur