

**Name of Road: Bajaj Circle to Jatia Bazar Tiraha
(From Ch 0+000 to 1+250)**

Bituminous Road

ROAD SIKAR PWD BSR-2010

S.No	BSR Ref	Particulars	Factor	No	L	B	H	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	BSR-14.9.2+G-5.2 Building - no	Dismantling stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 5 km lead. (cement mortar)	1	100	2	1.50	0.750	225.000	cum	342.80	77130.00
		BITUMINOUS WORK									
2	R-5.1 ii	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.									
		From Ch. 0 To Ch. 150	1	1	150	6.50		975.000	sqm		
		From Ch. 150 To Ch. 250	1	1	100	8.00		800.000	sqm		
		From Ch. 250 To Ch. 350	1	1	100	6.50		650.000	sqm		
		From Ch. 350 To Ch. 475	1	1	125	9.00		1125.000	sqm		
		From Ch. 700 To Ch. 850	1	1	150	11.70		1755.000	sqm		
		From Ch. 850 To Ch. 925	1	1	75	11.70		877.500	sqm		
		From Ch. 1100 To Ch. 1250	1	2	150	2.00		600.000	sqm		
		Total						6782.500	Sqm	30.00	203475.00
3	R-5.2 ii	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.									
		From Ch. 0 To Ch. 150	1	1	150	6.50		975.000	sqm		
		From Ch. 150 To Ch. 250	1	1	100	8.00		800.000	sqm		
		From Ch. 250 To Ch. 350	1	1	100	6.50		650.000	sqm		
		From Ch. 350 To Ch. 475	1	1	125	9.00		1125.000	sqm		
		From Ch. 700 To Ch. 850	1	1	150	11.70		1755.000	sqm		
		From Ch. 850 To Ch. 925	1	1	75	11.70		877.500	sqm		
		From Ch. 1100 To Ch. 1250	1	1	150	9.00		1350.000	sqm		
		Total						7532.500	Sqm	8.00	60260.00

S.No	BSR Ref	Particulars	Factor	No	L	B	H	Quantity	Unit	Rate (Rs)	Amount (Rs)
4	R-5.2 iii	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503									
		From Ch. 0 To Ch. 150	1	1	150	6.50		975.000	sqm		
		From Ch. 150 To Ch. 250	1	1	100	8.00		800.000	sqm		
		From Ch. 250 To Ch. 350	1	1	100	6.50		650.000	sqm		
		From Ch. 350 To Ch. 475	1	1	125	9.00		1125.000	sqm		
		From Ch. 700 To Ch. 850	1	1	150	11.70		1755.000	sqm		
		From Ch. 850 To Ch. 925	1	1	75	11.70		877.500	sqm		
		Total						6182.500	Sqm	8.00	49460.00
5	R-5.4 A ii	Providing, laying and rolling of built-up spray grout layer over prepared base consisting of a two layer composite construction of crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base, conforming to the line, grades and cross-section specified, the compacted layer thickness being 75 mm as per Technical Specification Clause 505. (S-65)									
		From Ch. 0 To Ch. 150	1	1	150	3.25		487.500			
		From Ch. 150 To Ch. 250	1	1	100	4.00		400.000			
		From Ch. 250 To Ch. 350	1	1	100	3.25		325.000			
		From Ch. 350 To Ch. 475	1	1	125	4.50		562.500			
		From Ch. 700 To Ch. 850	1	1	150	5.85		877.500			
		From Ch. 850 To Ch. 925	1	1	75	5.85		438.750			
		From Ch. 1100 To Ch. 1250	1	1	150	4.50		675.000	sqm		
								3766.250	Sqm	184.00	692990.00

S.No	BSR Ref	Particulars	Factor	No	L	B	H	Quantity	Unit	Rate (Rs)	Amount (Rs)
6	R-5.3	Providing and laying bituminous macadam on prepared surface with specified graded crushed aggregates fir base/binding course including loading of aggregate mixing of stone aggregate(including cost of anti stripping mixing compound to bring the stripping value of aggregate within permissible limits as per specification) and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed material with paver finisher to the required level and grade, rolling by road roller to achieve the desired density but excluding cost of primer/tack coat as per MoRTH Specification 504									
		From Ch. 0 To Ch. 150	1	1	150	6.50	0.075	73.125	cum		
		From Ch. 150 To Ch. 250	1	1	100	8.00	0.075	60.000	cum		
		From Ch. 250 To Ch. 350	1	1	100	6.50	0.075	48.750	cum		
		From Ch. 350 To Ch. 475	1	1	125	9.00	0.075	84.375	cum		
		From Ch. 700 To Ch. 850	1	1	150	11.70	0.075	131.625	cum		
		From Ch. 850 To Ch. 925	1	1	75	11.70	0.075	65.813	cum		
		From Ch. 1100 To Ch. 1250	1	1	150	9.00	0.075	101.250	cum		
		Total						564.938	cum		
		Total						564.938	cum	3929.00	2219639.44
7	R-16.4.2.6	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, For GradingII(10 mm nominal size) 60-70 grade									
		From Ch. 0 To Ch. 150	1	1	150	6.50	0.025	24.375	cum		
		From Ch. 150 To Ch. 250	1	1	100	8.00	0.025	20.000	cum		
		From Ch. 250 To Ch. 350	1	1	100	6.50	0.025	16.250	cum		
		From Ch. 350 To Ch. 475	1	1	125	9.00	0.025	28.125	cum		
		From Ch. 700 To Ch. 850	1	1	150	11.70	0.025	43.875	cum		
		From Ch. 850 To Ch. 925	1	1	75	11.70	0.025	21.938	cum		
		From Ch. 1100 To Ch. 1250	1	1	150	9.00	0.025	33.750	cum		
								188.313	cum	5618.00	1057939.63

S.No	BSR Ref	Particulars	Factor	No	L	B	H	Quantity	Unit	Rate (Rs)	Amount (Rs)
ROAD FURNITURE											
8	R-16.7.5	Marking Centre Line and stop lines etc. on road as IRC pattern with thermoplastic paint of approved quality and make with 8% glass beads laid on the road surface at temperature 1600C with a special applicator machine									
		Edge Line	1	2	850	0.15		255.000	Sqm	577.00	147135.00
9	R-10.4 B	Providing and erecting direction and place identification of semi reflective sign boards as per IRC-67 made of 2 mm thick M.S. Sheet duly stove enameled paint white colour in front and grey colour on back with reflective border of 70 mm width and required message, letters, figures with reflective tape of engineering grade as per MORD specifications of required shade and colour. Supported and welded on two nos. 47 mm x 47 mm of 12 SWG square tube of 3050 mm height duly strengthened by 25 mm x 5 mm MS flat iron on edges on back firmly fixed to the ground by means of properly designed foundations with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701	1	8				8.000	No	2484.00	19872.00
10	3.2.3 (Building BSR-09)	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - all work upto plinth level (1:2:4). - using 1 cement : 2 coarse sand : 4 graded stone 20mm nominal size	1	2	850	0.30	0.150	76.500	cum	2288.00	175032.00
11	16.6.1.6	S & F cement concrete precast Kerb or Dand upto 60 cm length over 20mm thick base of cement mortar 1:6 including jointing earth work, painting & jointing with cement mortar 1:4 of size : (22.5+25)/2x30 cm	1	2	850			1700.000	Rm	284.00	482800.00
Total Road Cost										5185733.06	
Say In Lacs(Rs)										51.86	