

GOVERNMENT OF RAJASTHAN
PUBLIC WORKS DEPARTMENT

ESTIMATE

For

NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM
TRIVENI ROAD TO BRAHMANI MATA
TEMPLE KM. 0/00 TO 0/600

PACKAGE NO. : RJ-16-15/NEW ROAD/PLAN/2018-19

JOB NO. : 752/5054/New Road/Plan/GN/2018-19 Rs. 24.73
752/5054/New Road/Plan/SC/2018-19 Rs. 6.42
752/5054/New Road/Plan/ST/2018-19 Rs. 4.85

ESTIMATED COST : Rs. 36.00 Lacs

NAME OF CIRCLE : P.W.D. RURAL CIRCLE, JAIPUR

NAME OF DIVISION : P.W.D. DISTT. DN. SHAHPURA, JAIPUR

NAME OF SUB. DN. : P.W.D. SUB. DN. SHAHPURA

TECHNICAL REPORT

Name of Work	: CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600
JOB NO.	: 752/5054/New Road/Plan/GN/2018-19 Rs. 24.73 752/5054/New Road/Plan/SC/2018-19 Rs. 6.42 752/5054/New Road/Plan/ST/2018-19 Rs. 4.85
PACKAGE NO.	: RJ-16-15/NEW ROAD/PLAN/2018-19
Scope of work	: BT - 0.145, Interlocking Tile - 0.30 Total : 0.445 and Protection work
Name of Division	: P.W.D. Distt. Dn. Shahpura, Jaipur
Name of Sub Division	: P.W.D. Sub. Dn. Shahpura
A.F. Sanction	: एफ.7(69)/अनु.-2/2018-19 डी-10 दिनांक 11.04.2018 RS : 36.00 Lacs
Necessity	: Brahmani Mata Temple is old Temple and Religious place hence it is necessary to provide approach road upto temple.
Specification For BT Road	: The following specification has been adopted for this work : 1 Sub base - GSB 10 Cm 2 Base Course Gr.1 75mm thick 3 Base Course Gr.2 75mm thick 4 20mm PMC with Seal Coat type B (VG-30) over Primer and tack Coat
CC Road	: 5 PCC 1:3:6 (75mm thick) 6 Interlocking tile M-30 100 Thick 7 Road Furniture taken in estimate as per requirement 8 Compensation Provision for Forest lane Ch. 0/028 to 0/445 (0.562 Hect.) taken LS Rs 5.00 Lacs in Estimate.
Labour	: The skilled and unskilled labour is locally available.
B.S.R.	: Rates are based on P.W.D. Rural Circle, Jaipur BSR effective from March, 2018 with all subsequent Corrigendum
Estimated Cost	: Rs. 36.00 Lacs
Agency	: This work will be executed by the P.W.D after calling competitive tenders from registered contractors.

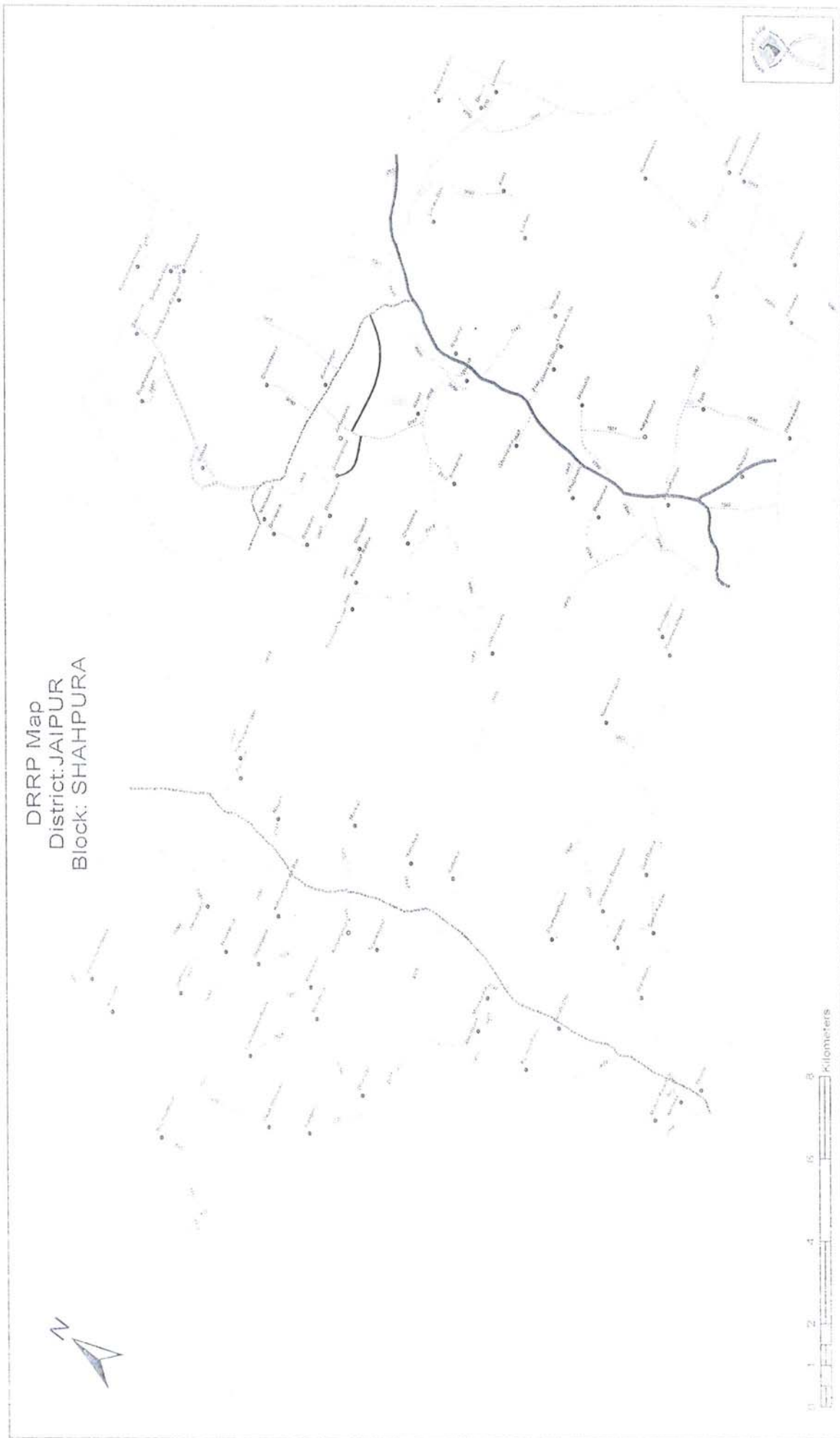

ASSISTANT ENGINEER
P.W.D. SUB. DN. SHAHPURA



NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600

BLOCK MAP

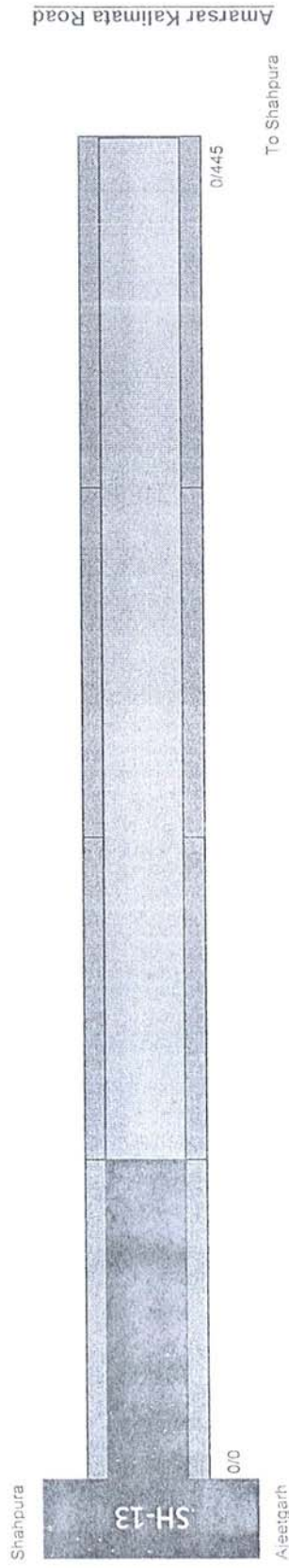
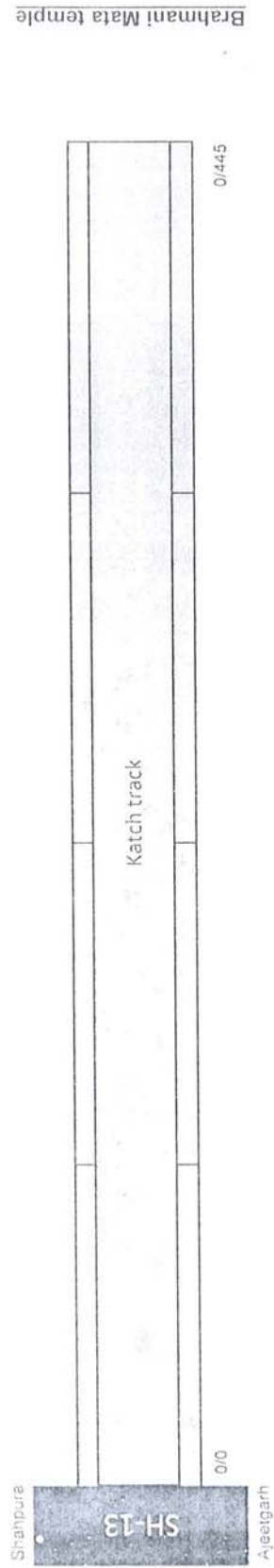
DRRP Map
District: JAIPUR
Block: SHAHPURA



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NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO BRAHMANI MATA TEMPLE KM.
0/00 TO 0/600

LINEAR CHART



Index :-

- | | | |
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| 1 | Katcha Track | |
| 2 | Proposed BT Road | |
| 3 | Proposed CC Pavement | |
| 4 | Old CC | |
| 5 | GSB Berms | |
| 6 | HPC | |


ASSISTANT ENGINEER
P.W.D. SUB. DN. SHAHPURA


X

NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI
ROAD TO BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600

FOREST LAND CONVERTED

0/028 to 0/445	1	x	417.00	x	12.00	=	5004.00	Sqm
Curve	1	x	30.00	x	5.00	=	150.00	Sqm
0/300 to 0/326	1	x	26.00	x	15.00	=	390.00	Sqm
Turning radian Ch. 0/430	1	x	15.00	x	5.00	=	75.00	Sqm
						=	5619.00	Sqm
						=	0.562	Hect.


ASSISTANT ENGINEER
P.W.D. SUB. DN. SHAHPURA


EXECUTIVE ENGINEER
P.W.D. DISTT. DN. SHAHPURA
JAIPUR

**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD
TO BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

GENERAL ABSTRACT

S. No.	Item	Amount
1	2	3
1	PART - A : ROAD WORK	2428951.00
2	PART - B : PROTECTION WORK	481383.00
3	PART - C : ROAD FURNISHING	32726.00
	Total	2943060.00
	Add. : 1% for Quality Control	29430.00
	Add. : 1.25% for Contingency	36788.00
	Total	3009278.00
	Add. : 13% for Prorata Charges	391206.00
	Total	3400484.00
	Add. : Forest Land Compation	200000.00
	Total	3600484.00
	Say	Rs. 36.00 Lacs

(Signature)
ASSISTANT ENGINEER
P.W.D. SUB. DN. SHAHPURA

(Signature)
EXECUTIVE ENGINEER
P.W.D. DISTT. DN. SHAHPURA
JAIPUR

No. 08 Date 16-04-18
Technically Sanctioned
For Rs 36.00 Lacs. Only

(Signature)
T.A.

(Signature)
E.E.

**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO
BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

ABSTRACT

PART - A : ROAD WORK

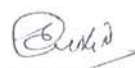
S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	6	5	7
1	3.4 (ii)	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300-1 and 300-2 with a lead upto 50 m as per MoRTH Specification Clause 305.3	364.50	P.Cum	50.00	18225.00
2	3.8 (iii)	Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, transporting to embankment site with a lift upto 1.5 m and lead upto 1000 m, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections as per MoRTH Specification Clause 301.3.5	742.50	P.Cum	44.00	32670.00
3	3.9 (ii) (b)	Excavation for roadway in hard rock (blasting prohibited) with rock breakers including breaking rock, loading in tippers and disposal with a lift upto 1.5 m and lead upto 1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross- sections as per MoRTH Specification Clause 301.3.5 Mechanical Means	315.00	P.Cum	226.00	71190.00
4	4.1 (iii)	Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor Mount Grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per MoRTH Specification Clause 401. For Grading III Material	300.23	P.Cum	400.00	120092.00

PART - A : ROAD WORK

S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	6	5	7
5	4.4.1 (ii) (b)	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening & binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 1 as per MoRTH Specification Clause 404. Using Crusher Broken Aggregate By Mechanical Means	40.78	P.Cum	1000.00	40780.00
6	4.4.2 (b)	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per MoRTH Specification Clause 404. using Crusher borken aggregate By Mechanical Means	42.81	P.Cum	1050 00	44951.00
7	5.1 (i)	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base(WBM/WMM) including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per MoRTH Specification Clause 502	543.75	P.Sqm	22.00	11963.00
8	5.2 (iii)	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion pressure distributor at the rate of 0.30 to 0.35 kg per sqm on the prepared non-bituminous surfaces (cement concrete pavement) cleaned with Hydraulic broom as per MoRTH Specification Clause 503.	543.75	P.Sqm	9.00	4894.00

PART - A : ROAD WORK

S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	6	5	7
9	5.7 (II) (ii)	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using Viscosity grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per MoRTH Specification Clause 510. Case - II By Mechanical Means Bitumen (VG-30)	543.75	P.Sqm	94.00	51113.00
10	5.12 (B) (II) (ii)	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per MoRTH Specification Clause 511 By Mechanical Means Case - II : Type B Bitumen (VG-30)	543.75	P.Sqm	31.00	16856.00
11	11.4. I (i)	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and MoRTH specifications Clause 1702, 1703, 2102 & 2104 P.C.C grade M 10 Nominal mix 1:3:6	124.13	Cum	2550.00	316532.00
12	6.3 (iv) (b)	Providing and Laying of Interlocking M-30 grade Concrete Block Pavements having thickness 100 mm as per drawings and as per IS 15658:2006.and all materials shall conform to MoRTH Specification Clause 602. with M-30 Grade 0.30 Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks. Category 'B' : Dentated only two side like I,Z,T shape as per IRC:SP:63-2004	1655.00	Sqm	1027.00	1699685.00
		TOTAL OF PART - A				2428951.00



 ASSISTANT ENGINEER
 P.W.D. SUB. DN. SHAHPURA

**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD
TO BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

ABSTRACT

PART - B : PROTECTION WORK

S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	6	5	7
1	11.1. I (i)	Earthwork in excavation for structures as per drawing and MoRTH specifications Clause 304.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth	75.00	P.Cum	155.00	11625.00
2	11.4. I (i)	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and MoRTH specifications Clause 1702, 1703, 2102 & 2104 P.C.C grade M 10 Nominal mix 1:3:6	15.00	P.Cum	2550.00	38250.00
3	11.6 III(iii)	Stone masonry work in cement mortar in foundation complete as per drawing and MoRTH specifications Clauses 1402, 1405, 2102 & 2104. Random Rubble Masonry In 1:6 cement mortar	93.75	P.Cum	2050.00	192188.00
4	12.13 (B)	Providing PCC M-20 architectural coping on the top of wing wall, return wall etc. complete as per drawing and MoRTH specification Clauses 1313, 1411 and 2206.6 75 mm thick	45.00	P.Sqm	306.00	13770.00
5	10.14	Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 m high above ground, 2 m centre-to-centre, complete as per approved drawings and MoRTH Specification Clause 809	110.00	Rmt	1545.00	169950.00
6	14.5 (i)	Providing and laying pitching on slopes laid over prepared filter media as per drawing and MoRTH specifications Clause 2504.2.1 Stone/Boulder	80.00	Cum	695.00	55600.00
		TOTAL OF PART - B				481383.00


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**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO
BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

ABSTRACT

PART - C : ROAD FURNISHING


S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
1	R-10.10	Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and MoRTH Specification Clause 801				
(a)	10.10.2	Ordinary Kilometer Stone (Precast)	2	Each	1439.00	2878.00
(b)	10.10.3	200 m stone (precast)	2	Each	339.00	678.00
2	10.22	Providing and fixing Mukhya Mantri Sadak Yojana/ Mahatma Gandhi Rajya Sadak Yojana informatory sign board with logo for roads funded by State road fund having M.S. Definition plate of 1.60 mm thickness frame to steel hollow dsection of 75mm x 75mm, 2.5m long stove enamelled paint with hold fast including paint logo as per approved design and colours. The logo shall be made out of 1.6mm thick circular plate duly framed with MS angle 25x25x5 mm on back and fix on 1200mm x 150mm rectangular steel base plate 1.6mm thick, the base of circular shall be plain at the junction of base plate. The size of definition plate shall be 1500x600mm and embedding the posts by M-15 cement concrete block 45 cm x 45 cm x 60 cm, 60 cm below ground level including lettering / writing and painting etc. complete in all respect.as per MoRTH Specification Clause 801.	1	Each	7774.00	7774.00

PART - C : ROAD FURNISHING

S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
3	10.2 (B) + B-II	Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC:67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing and Specifications. 900 mm equilateral triangle Add extra for providing and fixing definition plate of size 600 x 400 mm including all letters with above specifications	6	Each	1641.00	9846.00
4	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 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 Specification with size more than 0.9 sqm size board	1	P. Sqm	2869.00	3099.00

PART - C : ROAD FURNISHING

S. No.	BSR Ref.	Item	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
5	10.25	Providing and Erecting typical Citizen's information Board as per approved drawing & specification made of two MS sheet of 1.6 mm thick each of size 900mm x 750mm stiffend by angle iron 25mmx25mm x 3mm all around the plate & plates fixed on frame of 75mm dia pipe of 12 SWG sheet (vertical post 3050 mm with angle holdfasts and horizontal member 900mm) to be joined by embedded in cement concrete M-15 grade of block of 600mmx 600mm x 750 mm size below ground level as per enclosed drawings & as directed by Engineering incharge. All MS will be stove annealed on both side lettering. Figuring and border will be with ready mixed synthethic enamel paint of superior quality in required shade and colour etc complete in all respect. All sections of framed post and steel tube will be painted with primer and two coat of epoxy paint as per drawing and as per Specification.	1	Each	8451.00	8451.00
		TOTAL OF PART - C				32726.00


ASSISTANT ENGINEER
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**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO
BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

DETAIL

PART - A : ROAD WORK

S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
1	3.4 (ii)	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300-1 and 300-2 with a lead upto 50 m as per MoRTH Specification Clause 305.3	1 x 135.00 x 6.00 x 0.45 Say	= 364.50 = 364.50 Cum
2	3.8 (iii)	Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, transporting to embankment site with a lift upto 1.5 m and lead upto 1000 m, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections as per MoRTH Specification Clause 301.3.5	Ch. 0/135 to 0/300 1 x 165.00 x 5.00 x $\frac{1.50 + 0.30}{2}$ Say	= 742.50 = 742.50 Cum
3	3.9 (ii) (b)	Excavation for roadway in hard rock (blasting prohibited) with rock breakers including breaking rock, loading in tippers and disposal with a lift upto 1.5 m and lead upto 1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections as per MoRTH Specification Clause 301.3.5 Mechanical Means	Ch. 0/300 to 0/400 (LHS) 1 x 100.00 x 3.00 x 1.05	= 315.00 = 315.00 Cum

PART - A : ROAD WORK

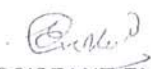
S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
4	4.1 (iii)	Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor Mount Grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per MoRTH Specification Clause 401. For Grading III Material		
		Ch. 0/00 to 0/445	1 x 445.00 x 4.05 x 0.10	= 180.23 Cum
		for berms	2 x 400.00 x 1.00 x 0.15	= 120.00 Cum
				= 300.23 Cum
5	4.4.1 (ii) (b)	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening & binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 1 as per MoRTH Specification Clause 404. Using Crusher Broken Aggregate By Mechanical Means		
		Ch. 0/00 to 0/145	1 x 145.00 x 3.75 x 0.075	= 40.78 Cum
				= 40.78 Cum
6	4.4.2 (b)	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per MoRTH Specification Clause 404. using Crusher broken aggregate By Mechanical Means		
		Ch. 0/00 to 0/145	1 x 145.00 x 3.75 x 0.075	= 40.78 Cum

PART - A : ROAD WORK

S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
		Extra for Widening	1 x 30.00 x 0.90 x 0.075	= 2.03 Cum = 42.81 Cum
7	5.1 (i)	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base(WBM/WMM) including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per MoRTH Specification Clause 502		
		Ch. 0/00 to 0/145	1 x 145.00 x 3.75	= 543.75 Sqm = 543.75 Sqm
8	5.2 (iii)	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion pressure distributor at the rate of 0.30 to 0.35 kg per sqm on the prepared non-bituminous surfaces (cement concrete pavement) cleaned with Hydraulic broom as per MoRTH Specification Clause 503.		
		Ch. 0/00 to 0/145	1 x 145.00 x 3.75	= 543.75 Sqm = 543.75 Sqm
9	5.7 (II)	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using Viscosity grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per MoRTH Specification Clause 510.		
	(ii)	Case - II By Mechanical Means Bitumen (VG-30)		
		Ch. 0/00 to 0/145	1 x 145.00 x 3.75	= 543.75 Sqm = 543.75 Sqm

PART - A : ROAD WORK

S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
10	5.12	Providing and laying seal coat (B) (II) (ii) sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per MoRTH Specification Clause 511 By Mechanical Means Case - II : Type B Bitumen (VG-30) Ch. 0/00 to 0/145	1 x 145.00 x 3.75	= 543.75 Sqm = 543.75 Sqm
11	11.4.	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and MoRTH specifications Clause 1702, 1703, 2102 & 2104 P.C.C grade M 10 Nominal mix 1:3:6 Ch. 0/145 to 0/445 Extra for Widening	1 x 300.00 x 3.90 x 0.075 1 x 30.00 x 5.00 x 0.075 1 x 26.00 x 10.00 x 0.075 1 x 15.00 x 5.00 x 0.075	= 87.75 Cum = 11.25 Cum = 19.50 Cum = 5.63 Cum = 124.13 Cum
12	6.3 (iv)	Providing and Laying of Interlocking (b) M-30 grade Concrete Block Pavements having thickness 100 mm as per drawings and as per IS 15658:2006 and all materials shall conform to MoRTH Specification Clause 602. with M-30 Grade 0.30 Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks. Category 'B' : Dentated only two side like I,Z,T shape as per IRC:SP:63-2004	1 x 300.00 x 3.90 1 x 30.00 x 5.00 1 x 26.00 x 10.00 1 x 15.00 x 5.00	= 1170.00 Sqm = 150.00 Sqm = 260.00 Sqm = 75.00 Sqm = 1655.00 Sqm


 ASSISTANT ENGINEER
 P.W.D. SUB. DN. SHAHPURA

**NAME OF ROAD : CONSTRUCTION OF CC ROAD FROM TRIVENI ROAD TO
BRAHMANI MATA TEMPLE KM. 0/00 TO 0/600**

DETAILS

PART - B : PROTECTION WORK

Sl. No.	BSR Ref.	Description of Item	Measurement	Quantity
1	2	3	4	5
1	11.1. I (i)	Earthwork in excavation for structures as per drawing and MoRTH specifications Clause 304.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth	1 x 100.00 x 1.00 x 0.75	= 75.00 Cum
2	11.4. I (i)	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and MoRTH specifications Clause 1702, 1703, 2102 & 2104 P.C.C grade M 10 Nominal mix 1:3:6	1 x 100.00 x 1.00 x 0.15	= 15.00 Cum = 15.00 Cum
3	11.6 III(iii)	Stone masonry work in cement mortar in foundation complete as per drawing and MoRTH specifications Clauses 1402, 1405, 2102 & 2104. Random Rubble Masonry In 1:6 cement mortar	1 x 100.00 x $\frac{0.80 + 0.45}{2}$ x 1.50	= 93.75 Cum
4	12.13 (B)	Providing PCC M-20 architectural coping on the top of wing wall, return wall etc. complete as per drawing and MoRTH specification Clauses 1313, 1411 and 2206.6 75 mm thick	1 x 100.00 x 0.45	= 45.00 Sqm

PART - B : PROTECTION WORK

Sl. No.	BSR Ref.	Description of Item	Measurement	Quantity
1	2	3	4	5

= 45.00 Sqm

- 5 10.14 Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 m high above ground, 2 m centre-to-centre, complete as per approved drawings ad MoRTH Specification Clause 809

= 110.00 Rmt


= 110.00 Rmt

- 6 14.5 (i) Providing and laying pitching on slopes laid over prepared filter media as per drawing and MoRTH specifications Clause 2504.2.1 Stone/Boulder

1 x 100.00 x 4.00 x 0.20

= 80.00 Cum

= 80.00 Cum


 ASSISTANT ENGINEER
 P.W.D. SUB. DN. SHAHPURA

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DETAIL

PART - C : ROAD FURNISHING

S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
1	R-10.10	Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and MoRTH Specification Clause 801		
(a)	10.10.2	Ordinary Kilometer Stone (Precast)	=	2 Each
(b)	10.10.3	200 m stone (precast)	=	2 Each
2	10.22	Providing and fixing Mukhya Mantri Sadak Yojana/ Mahatma Gandhi Rajya Sadak Yojana informatory sign board with logo for roads funded by State road fund having M.S. Definition plate of 1.60 mm thickness frame to steel hollow dsection of 75mm x 75mm, 2.5m long stove enamelled paint with hold fast including paint logo as per approved design and colours. The logo shall be made out of 1.6mm thick circular plate duly framed with MS angle 25x25x5 mm on back and fix on 1200mm x 150mm rectangular steel base plate 1.6mm thick, the base of circular shall be plain at the junction of base plate. The size of definition plate shall be 1500x600mm and embedding the posts by M-15 cement concrete block 45 cm x 45 cm x 60 cm, 60 cm below ground level including lettering / writing and painting etc. complete in all respect.as per MoRTH Specification Clause 801.		
			=	1 Each

PART - C : ROAD FURNISHING


S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5
3	10.2 (B) + B-II	Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC:67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing and Specifications. 900 mm equilateral triangle Add extra for providing and fixing definition plate of size 600 x 400 mm including all letters with above specifications		
				= 6 Each
4	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 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 Specification with size more than 0.9 sqm size board		
			1 x 1.20 x 0.900	= 1.08 Sqm

PART'- C : ROAD FURNISHING

S. No.	BSR Ref.	Particulars	Measurement	Qty
1	2	3	4	5

- 5 10.25 Providing and Erecting typical Citizen's information Board as per approved drawing & specification made of two MS sheet of 1.6 mm thick each of size 900mm x 750mm stiffend by angle iron 25mmx25mm x 3mm all around the plate & plates fixed on frame of 75mm dia pipe of 12 SWG sheet (vertical post 3050 mm with angle holdfasts and horizontal member 900mm) to be joined by embedded in cement concrete M-15 grade of block of 600mmx 600mm x 750 mm size below ground level as per enclosed drawings & as directed by Engineering incharge. All MS will be stove anmeled on both side lettering. Figuring and border will be with ready mixed synthethic enamel paint of superior quality in required shade and colour etc complete in all respect. All sections of framed post and steel tube will be painted with primer and two coat of epoxy paint as per drawing and as per Specification.

= 1 Each.


ASSISTANT ENGINEER
P.W.D. SUB. DN. SHAHPURA

क्र. सं.	जिला	ब्लाक का नाम	खण्ड का नाम	विधानसभा क्षेत्र	सड़क का नाम	सड़कों की संख्या	लम्बाई (किमी में)	अनुमानित लागत (लाखों में)	पैकेज नं.	निविदा राशि
90	जयपुर	सावर	2A मुल्तरा	3 मुल्तरा	4 मण्डाभीमसिंह से पंचकोडिया सड़क से आधुनी डाणी होते हुए भीण्डा सड़क तक	5	6	7		
91	जयपुर	सावर	मुल्तरा	मुल्तरा	बेनिया नाडा से रसूलपुरा	1	1.70	51.00		
92	जयपुर	सावर	मुल्तरा	मुल्तरा	फुलेरा-सियागिया सड़क से बैरु की डाणी	1	0.50	18.00		
93	जयपुर	सावर	मुल्तरा	मुल्तरा	आईदान का वास (गोगा जी का स्थान) से नाडा वाली डाणी	1	1.00	30.000		284.00
94	जयपुर	सावर	मुल्तरा	मुल्तरा	जूनसिया खुनाथजी के मन्दिर से सोलकिया की डाणी	1	1.50	45.000		
95	जयपुर	सावर	मुल्तरा	मुल्तरा	बधाल से दादिया	1	2.60	95.000		
96	जयपुर	सावर	मुल्तरा	मुल्तरा	विश्वनाथ गौरव पथ से विश्वनाथ साडावास सड़क सी.सी. रोड	6	10.10	327.00		
97	जयपुर	सावर	मुल्तरा	मुल्तरा	त्रिवेणी सड़क से ब्रह्मणी मामा मन्दिर सी.सी. रोड	1	0.70	42.000		
98	जयपुर	सावर	मुल्तरा	मुल्तरा	नागल कौजु रोड से डेरवाली डाणी	1	0.60	36.000		
99	जयपुर	सावर	मुल्तरा	मुल्तरा	विश्वनाथ देवीपुरा सड़क से रवनीपुरा सड़क याया डोलियों की डाणी	1	0.50	15.000		
100	जयपुर	सावर	मुल्तरा	मुल्तरा	विश्वनाथ देवीपुरा सड़क से रवनीपुरा सड़क याया डोलियों की डाणी	1	1.00	30.000		
101	जयपुर	सावर	मुल्तरा	मुल्तरा	धोमावाली से धानाता विलान्दर सड़क तक (जुमा मोड)	1	0.90	27.000		
102	जयपुर	सावर	मुल्तरा	मुल्तरा	शिकारपुरा से मानटोरी सड़क	1	1.30	48.000		
103	जयपुर	सावर	मुल्तरा	मुल्तरा	गणालपुरा से खानिया वाली	1	0.60	25.000		397.00
104	जयपुर	सावर	मुल्तरा	मुल्तरा	छारसा से लामडा की डाणी याया शिवलालपुरा	1	1.80	58.000		
105	जयपुर	सावर	मुल्तरा	मुल्तरा	निठारा रोड से राजपुरा (सिजाजी के जॉइंट तक)	1	1.30	40.000		
106	जयपुर	सावर	मुल्तरा	मुल्तरा	विलान्दरपुर से भूतहरि मोड	1	2.40	75.000		
107	जयपुर	सावर	मुल्तरा	मुल्तरा	धानाता रोड से बैरुता वाली सी.सी. रोड	1	0.60	30.000		
108	जयपुर	सावर	मुल्तरा	मुल्तरा	करणीसागर सड़क से नाथु यादव की डाणी होकर जसवन्तपुरा सड़क	1	1.00	30.000		
109	जयपुर	सावर	मुल्तरा	मुल्तरा	मंगलवाली प्याऊ से मंगरवाली डाणी होकर मालेरा	12	12.70	456.00		
110	जयपुर	सावर	मुल्तरा	मुल्तरा	पावटा से सोनियर स्कूल के पीछे प्रांगपुरा-ललाना सड़क होकर	1	2.00	60.000		
111	जयपुर	सावर	मुल्तरा	मुल्तरा	नौडार से निमारी सड़क तक	1	1.50	45.000		
112	जयपुर	सावर	मुल्तरा	मुल्तरा	सातवास रोड से हरियाला सड़क	1	1.00	30.000		
113	जयपुर	सावर	मुल्तरा	मुल्तरा	अम्बेडकर नगर से धालोडा की डाणी पावटा रोड	1	0.50	15.000		
114	जयपुर	सावर	मुल्तरा	मुल्तरा	बडनगर-सागर की डाणी सड़क से जानदास बगीची	1	0.60	18.000		
115	जयपुर	सावर	मुल्तरा	मुल्तरा	स्वामी की डाणी से बडनगर याया विश्वनाथ की कुई होकर अधूरी सड़क तक	1	0.80	24.000		294.00
116	जयपुर	सावर	मुल्तरा	मुल्तरा	राजनीता गौरव पथ से जैलसिंह की डाणी सड़क तक	1	1.50	45.000		
117	जयपुर	सावर	मुल्तरा	मुल्तरा	आतिला गौरव पथ से एन.एच.-8 तक	1	1.00	30.000		
118	जयपुर	सावर	मुल्तरा	मुल्तरा	कुनेड-कैरली गौरव पथ से पावटा शिवनगर रोड तक याया धामाकाली	1	1.00	30.000		
119	जयपुर	सावर	मुल्तरा	मुल्तरा		10	10.90	327.00		