


# ESTIMATE

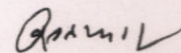
Name of Work : Repair Renewal Strengthening & Safety work on Sikar Harsh Road  
Km 8/750 to 15/100 (Tourist & Religious Importance Road)

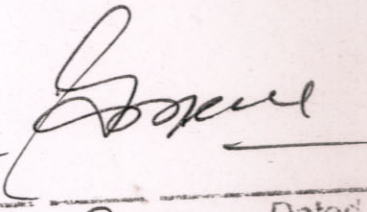
## GENERAL ABSTRACT

S. No.	Particulars	Amount
1	Part 'A' (Road Work)	23165442.00
2	Part 'B' (Protection & Safety Work)	25862964.00
3	Part 'C' (Drain Work)	2783854.00
4	Part 'D' (Road Furniture Work)	500550.00
	<b>TOTAL</b>	<b>52312810.00</b>
	Add 1% for <sup>D.C.</sup> Contingency Charges :-	523128.00
	Add 0.50% for <sup>Contingency</sup> Quality Control Charges :-	261564.00
	<b>TOTAL</b>	<b>53097502.00</b>
	Add 13% for Prorata Charges :-	6902675.00
	<b>G. TOTAL</b>	<b>60000177.00</b>
	<b>SAY Rs. :-</b>	<b>600.00</b>

LACS

  
 Assistant Engineer  
 PWD Sub Dn Dhod

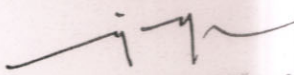
  
 Executive Engineer  
 PWD (Dn Sikar)  
 Executive Engineer  
 P.W.D. Div. Sikar

  
 TATOSE

No. 9 Dated 11/8/17

Technically Sanctioned for Rs. 600.00 Lacs

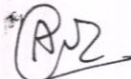
In words Six hundred Lacs only

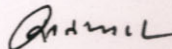
  
 Addl. Chief Engineer

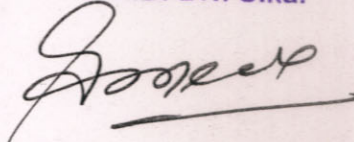
## TECHNICAL REPORT

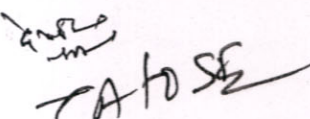
1	Name of the work	:-	Repair Renewal Strengthening & Safety work on Sikar Harsh Road Km 8/750 to 15/100 (Tourist & Religious Importance Road)
2	Length	:-	6.350 Km
3	Name of District	:-	Sikar
4	Location of 8/750	:-	Antari Mod
5	Important Towns/Villages Covered	:-	Harsh, Antri
6	Proposed Length of Road	:-	Strengthening & Widening of Existing BT road 3m width to 5.50m from km 8/750 to 15/100 =6.350 km
7	Assembly constituency	:-	Sikar Km 8/750 to 15/100 = 6.350 Km Cost of Work :- 600.00 Lacs
8	Name of MLA		Sh. Ratan Lal Jaldhari (Sikar)
9	Parliamentary constituency	:-	Sikar Km 8/750 to 15/100 = 6.350 Km Cost of Work :- 600.00 Lacs
10	Name of MP	:-	Shri Sumedha Nand Ji
11	Existing Width(Mtr)	:-	3m width km 8/750 to 15/100 = 6.350 Km
12	Existing Status/ Necessity of Project.	:-	The total length of Sikar (sanwali mod) to Harsh mount road is 15.100Km The existing width of carriageway width in Km 0/0 to 8/750 is 5.5m and in Km 8/750 to 15/100 the carriageway width is 3.0m The present status of the road is of nonpatchable. This road is very important from the point of view of religious and tourism purpose Harsh mount is very ancient historic place which is the only tourist place The tourist visit this place for the whole year. This road is in very deteriorated condition due to which the tourists have to face lot of difficulties and there are always chances of accidents due to passing of road from the valley region. Therefore, the widening,strengthening and road safety works are required to be done.

13	Scope of work and Specification Proposed	:-	(a) Renewal & Strengthening (i) BM 50mm thick on Full width (b) Wearing Coat. (i) 20mm PMC with Seal Coat (c) Shoulder's Km 8/750 to 15/100- 150mm thick GSB 1.0 meter width on both side (d) Protection work -Retaining wall in R/R masonry
14	Surface History of roads & existing position.	:-	(a) Linear Chart- Enclosed showing existing status & Proposed work. (b) Crust thickness - The Existing thickness is 300 mm
15	BSR Rates	:-	The estimate has been framed on B.S.R. PWD Circle- Sikar, April 2016.
16	Probable starting date	:-	within 2 month after receiving Adm.Approval
17	Probable date of completion	:-	within 6 month after inviting tender.
18	Estimated Cost of work (Estimate enclosed) Lacs	:-	600.00
19	Name and Telephone Nos of SE,EE,AEN	:-	SE - Shri G.C. Meena (01572-242797,9414084991) EE- Shri Prahlad Singh (01572-251142,9413339757) AEN-Smt Anita (01572-251142,8875650729)

  
ASSISTANT ENGINEER  
PWD SUB DIVISION - DHOD

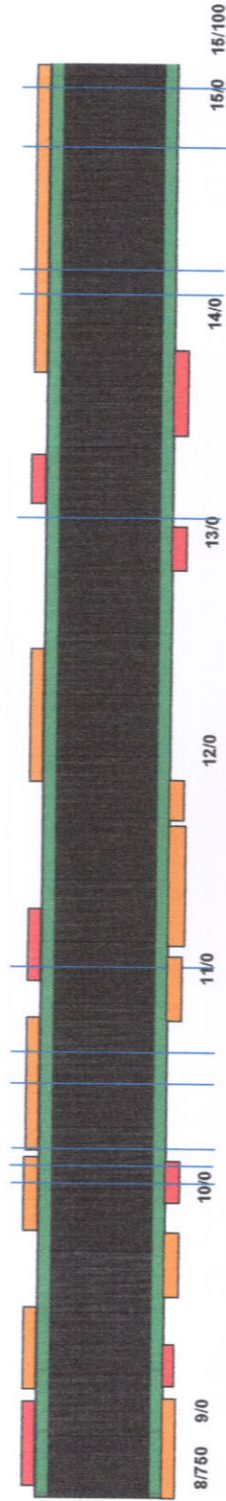
  
EXECUTIVE ENGINEER  
(Prahlad Singh)  
PWD DIVISION - SIKAR  
Executive Engineer  
P.W.D. Div. Sikar



  
A to SE

# Repair Renewal Strengthening & Safety work on Sikar Harsh Road Km 8/750 to 15/100 (Tourist & Religious Importance Road)

## LINEAR CHART



### PROPOSED

Index :-

- 1 Proposed BT Road
- 2 Proposed Drain Work  
(Ch. 8/750 to 9/150, 9/175 to 9/650, 9/675 to 9/800, 9/800 to 10/250, 10/350 to 10/725, 10/725 to 11/150, 11/250 to 11/750, 11/775 to 11/925, 11/925 to 12/550, 13/850 to 15/100)
- 3 Proposed Protection wall  
(Ch. 8/770 to 9/140, 9/200 to 9/395, 10/225 to 10/650, 11/075 to 11/650, 12/950 to 13/100, 13/350 to 13/685, 13/625 to 13/925)
- 4 GSB Berms
- 5 NP-3 Pipe 750mm dia  
(Ch. 10/135, 10/210, 10/360, 10/650, 10/850, 11/210, 13/160, 14/220, 14/330, 14/850, 15/060)

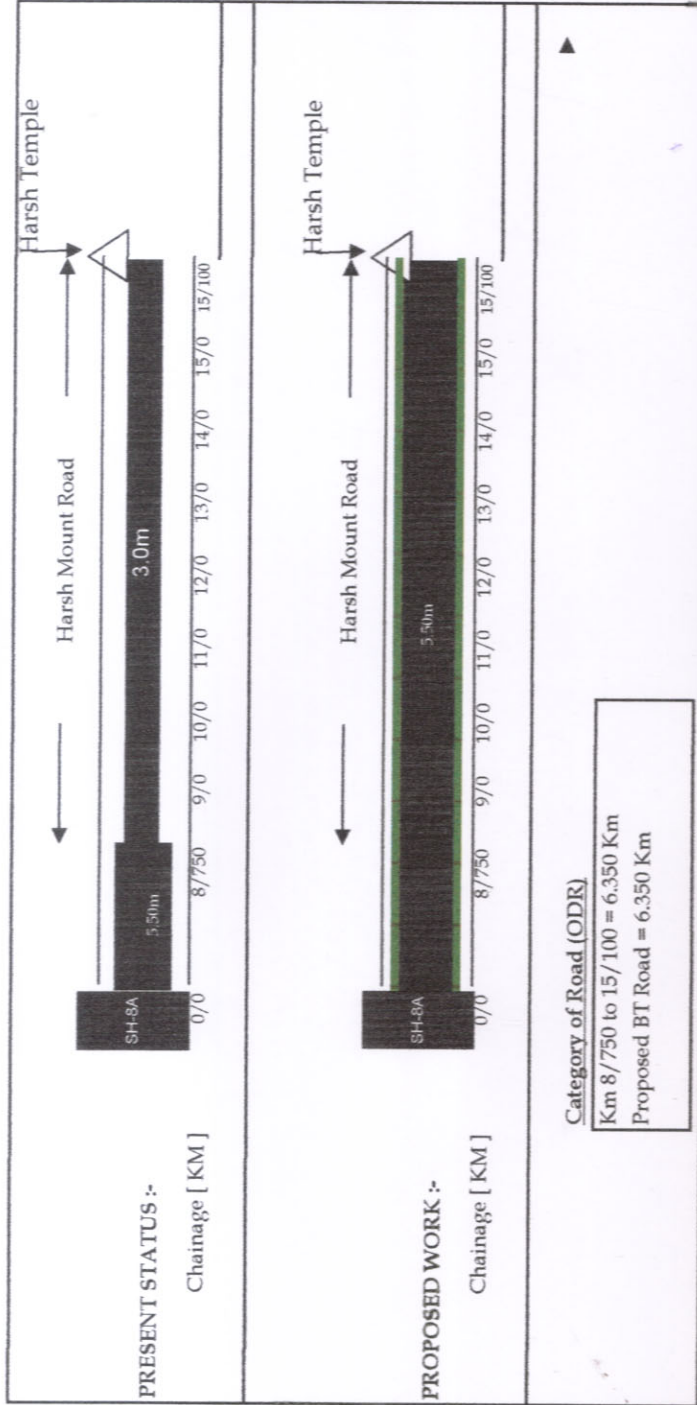
*AKG*  
Junior Engineer  
PWD Sub. Dn. Dhod


*ARZ*  
Assistant Engineer  
PWD Sub. Dn. Dhod

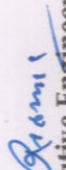
*Pramil*  
**(Prahlad Singh)**  
Executive Engineer  
P.W.D. Div. Sikar

# LINEAR-CHART

**Name of Work : Repair Renewal Strengthening & Safety work on Sikar Harsh Road  
Km 8/750 to 15/100 (Tourist & Religious Importance Road)**

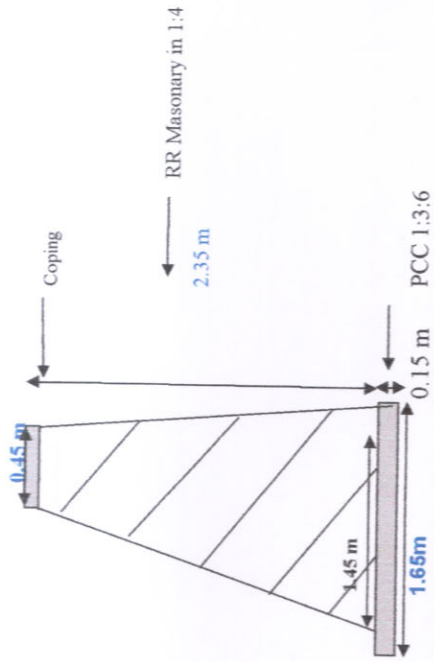


  
**Assistant Engineer**  
**PWD Sub Dn. Dhod**

  
**Executive Engineer**  
**(P.W.D. Sikar)**  
**Executive Engineer**  
**P.W.D. Div. Sikar**

Name of Work : Repair Renewal Strengthening & Safety work on Sikar Harsh Road  
Km 8/750 to 15/100 (Tourist & Religious Importance Road)

### TYPICAL CROSS SECTION OF PROTECTION WALL



### TYPICAL CROSS SECTION OF PROTECTION WALL

*[Signature]*

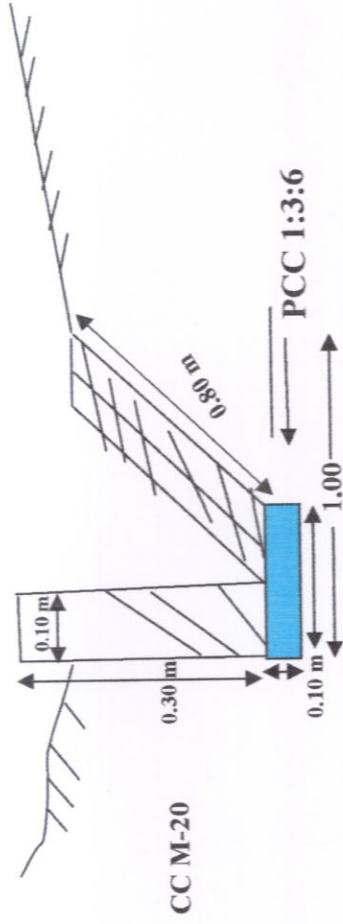
Assistant Engineer,  
PWD Sub. Dn. Dhod

*[Signature]*

Executive Engineer,  
PWD Dn. Sikar

P.W.D. Div. Sikar

Repair Renewal Strengthening & Safety work on Sikar Harsh Road  
Km 8/750 to 15/100 (Tourist & Religious Importance Road)



TYPICAL CROSS SECTION OF DRAIN

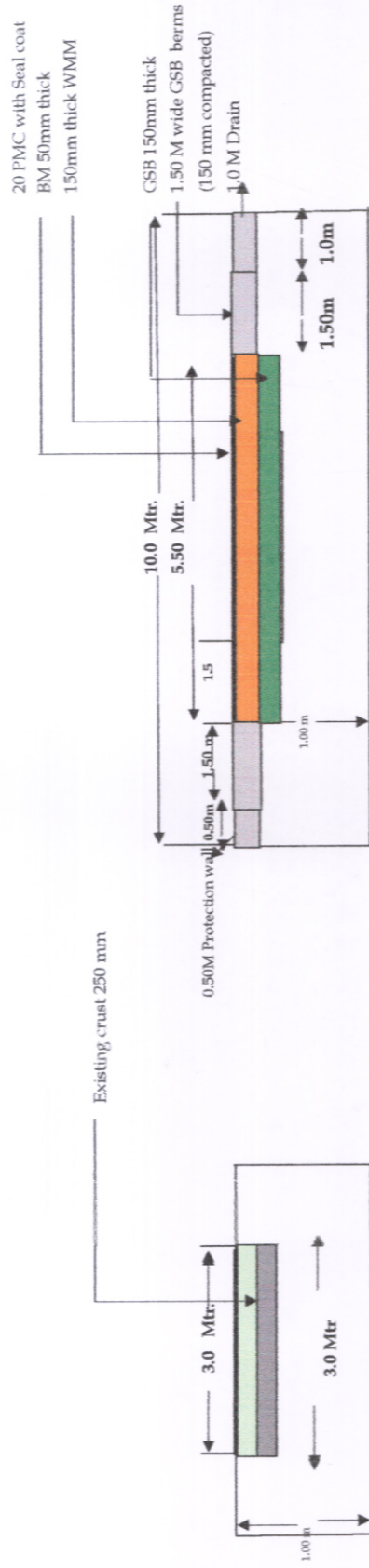
*Alky*  
Junior Engineer  
PWD Sub Dn Dhod

*AD*  
Assistant Engineer  
PWD Sub Dn Dhod

*Prahlaad Singh*  
(Prahlaad Singh)  
Executive Engineer  
P.W.D. Div. Sikar

## CROSS SECTION

Repair Renewal Strengthening & Safety work on Sikar Harsh Road  
 Km 8/750 to 15/100 (Tourist & Religious Importance Road)



TYPICAL CROSS SECTION OF EXISTING BT ROAD

*Alky*  
 Junior Engineer  
 P.W.D.Sub.Dn. Dhod

*AVZ*  
 Assistant Engineer  
 P.W.D.Sub.Dn. Dhod

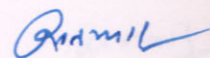
TYPICAL CROSS SECTION OF PROPOSED ROAD

*Sharma L*  
 Executive Engineer  
 P.W.D. (प्रशासनाद सिंह)  
 अधिशाही अभियन्ता  
 सा.नि.वि. खण्ड, सीकर

## Name of Road :- Upgradation of Harsh Road

## Hard Rock Cutting Calculation

Chainage	Area(Cut) (In Sqm)	Quantity Cutting ( In Cum)
9100	1.571	59.052
9125	1.025	32.448
9500	1.599	53.706
9525	0.149	21.854
10075	1.977	71.811
10100	6.397	104.676
10125	2.285	108.524
10150	2.46	59.31
10175	0.74	40.006
10200	0.381	14.42
10225	2.135	31.454
10250	1.112	40.586
10275	1.343	30.689
10300	1.041	29.801
10325	2.242	41.038
10350	5.211	93.16
10375	1.655	85.822
10400	2.791	55.582
10425	1.427	52.733
10450	1.157	32.303
10475	1.899	38.203
10975	1.915	32.919
11000	4.243	76.981
11025	6.435	133.48
11050	3.458	123.666
11075	3.756	90.184
11100	1.824	69.75
11125	2.602	55.323
11150	0.654	40.705
11175	0.891	19.319
11200	3.722	57.668
11225	7.163	136.061
11250	2.199	117.016
11275	3.021	65.243
11300	3.567	82.345
11325	2.778	79.307
11350	1.145	49.034
11375	1.258	30.043



(Prahlad Singh)  
Executive Engineer

Name of Road :- Upgradation of Harsh Road		
Hard Rock Cutting Calculation		
Chainage	Area(Cut) (In Sqm)	Quantity Cutting ( In Cum)
11400	0.097	16.945
11425	2.254	29.39
11450	1.855	51.362
11475	0.456	28.889
11700	2.792	38.993
11725	1.593	54.812
11750	0.339	24.149
12300	0.823	14.454
12325	1.236	25.747
12350	2.443	45.995
12375	2.211	58.172
12400	3.232	68.036
12425	1.936	64.6
12450	1.969	48.813
12475	2.259	52.853
12500	0.617	35.951
12525	1.876	31.167
12550	2.255	51.64
12575	1.495	46.88
12600	1.448	36.795
12625	2.059	43.842
12650	1.726	47.315
12675	2.03	46.952
12700	2.452	56.026
12725	2.262	58.922
12750	2.765	62.832
12775	1.695	55.752
12800	3.732	67.84
12825	3.702	92.925
12850	3.725	92.84
12875	3.549	90.92
12900	2.535	76.045
12925	1.23	47.066
	Total :-	4021.142

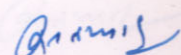
Total Cutting = 4021 Cum

Stone obtained from roadway cutting (Hard Rock) use for = 33% of total qty.  
 protection work = 1326.93 cum

Remaining Waste will be disposed out of Forest Land

AKK



  
 (Prahlad Singh)  
 Executive Engineer