

## TECHNICAL REPORT

1 Name of Work

WIDENING & STRENGTHENING OF MANOHARPUR TO ITAWA  
BHOPI VIA NAWALPURA CHARANWAS (MDR-187)  
INCLUDING CD WORK AT MANOHARPUR RIVER

2 District

Jaipur

3 Important towns /villages covered

Name of Town / Village

Chainage

1	Manoharpur	Km 0/00
2	Nawalpura	Km 5/200
3	Gonakasar	Km 12/500
4	Nayabas	Km 15/300
5	Sepatpura	Km 17/500
6	Dhawli	Km 21/00
7	Parmanpura	Km 24/00
8	Barwara	Km 34/500
9	Nangal Bhanda	Km 37/500
10	Itawa Bhopji	Km 44/00

4 Proposed Length of road

28.300 KM.

5 Assembly Constituencies

Shahpura

6 Existing width (Mtr.)

3.00 Mtr. & 3.75 Mtr.

7 A & F Sanction

CE & AS Letter No. F-7(76)/Sec.-II/2018-19 D-21 Dated 20.04.2018 Rs.  
1940.00 Lacs

8 Job No.

6/5054/SM&R/Gn./P/2018-19  
6/5054/SM&R/SC/P/2018-19  
6/5054/SM&R/ST/P/2018-19

9 Traffic Details

PCU (as per Traffic Census in April, 2018)	1855
CVPD (as per Traffic Census in April, 2018)	324
Growth Rate	5.00%

10 Necessity of work

The offtake point of this road is Km 0/0 at manoharpur which laying on NH-08 and passes through SH-37 at Dhawali and reach to SH-37C at Itwa Bhopji. There is near Barwara important religious palace Veer Hanuman Ji temple situated as well as by this route we can reach another religious palaces like Khatu Shyam ji temple and Jeen Mata with short distance from Manoharpur area. This road is shortest route from Manoharpur area to important cities like Chomu, Ringus and Sikar etc. due to heavy and dense traffic the road surface got damaged and crust of this road has been also failed. Therefore it is necessary to rebuilt upto required 5.50 mtr. width hard shoulder as per required on the basis of the present traffic data.

1 Proposal

Carriage Way Width 3.00Mtr. / 3.75 Mtr. To 5.50 Mtr. With Hard Shoulder.

2 Specification

(A) For Widening (As per IRC:37:2012)  
(i) Sub base : GSB 150mm  
(ii) Base Coarse : WMM 250mm

- (B) For Strengthening in stretches as detailed in scope of work (As per IRC:37-2012)
- Sub base - 150mm
  - Base Course - 150mm

- (C) For Bituminous Course (As per IRC:37-2012)
- DBM - 50mm Thick
  - BC - 30mm Thick Grading - 2

- (D) For Overlay over Existing BT Surface (As Per BMD 1987)
- DBM - 50mm Thick
  - BC - 30mm Thick Grading - 2

- (E) C.C. Pavement (As Per IRC:58:2015)
- GSB : 150mm Thick as sub Base
  - WMM - 100mm thick as Base Course
  - M-30 - 200mm thick

- (F) Shoulders
- GSB - 150mm thick & 1.50mtr. Width on either side of BT road

- (G) For Road Furnishing
- Semi reflective cautionary, mandatory and informatory sign board as per IRC:67
  - Erecting typical Citizen's information Board as per approved drawing & specification of MoRTH made of two MS sheet of 1.6 mm thick each of size 900mm x 750mm stiffened by angle iron 25mmx25mm x 3mm For CRF
  - Marking Centre Line and stop lines etc. on road as per IRC pattern with thermoplastic paint
  - Chevron Board & Cat Eye's as per requirement on curves and hazard marker breakers.

- (H) For Protection Work
- 150mm P.C.C grade M 10 Nominal mix 1:3:6
  - Random Rubble Masonry in cement mortar 1:6
  - PCC M-20 architectural coping
  - Pointing on wall taken

- (I) For Drain Work (Manoharpur, Nawalpura, Naya Bas, Dhawli)
- 100mm P.C.C grade M 10 Nominal mix 1:3:6
  - M-20 for Drain wall of 150mm thick.
  - RRM in CM 1:4
  - Ferrow Cement Covers as required

3 BSR

PWD Rural Circle, Jaipur Road BSR w.e.f. March, 2018 and NH Circle Jaipur BSR effective from February, 2018

4 Estimated Cost

Rs. 1940.00 Lacs

Assistant Engineer  
P.W.D. Sub Dn. Amarsar

Executive Engineer  
P.W.D. Distt. Dn. Shahpura  
Jaipur

Superintending Engineer  
P.W.D. Rural Circle,  
Jaipur

Executive Engineer  
P.W.D. Distt. Dn. Shahpura,  
Jaipur

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