

Government of India
Ministry of Road Transport & Highways
PPP Division

Transport Bhawan
No. 1, Parliament Street

No. RW/NH-24036/27/2010/PPP(pt)

New Delhi, the 17th December, 2012

OFFICE MEMORANDUM

Subject Constitution of Committee for finalizing costing methodology for National Highways Project.

Department of Economic Affairs vide their OIA No. 14/1/2010-PPP dated 29/10/2010 had recommended to follow guidelines for costing methodology by NHAI to determine unit cost of various inputs etc. It was also recommended by DEA that Standing Cost Committee may develop norms for determining the unit cost for all the major activities like Roadway Excavation, Crushed Surfacing, Hot Mix Asphalt, Concrete Pavement, Structural Concrete, Steel Reinforcing Bars, structural Steel etc. Similarly separate per unit cost norms w.r.t. new bridges, Reconstruction of Bridges-Added lanes and Rehabilitated Bridges also require to be developed.

2. In the meeting of Standing Cost Committee held under Chairmanship of AS&FA on 20/11/2012, the issue of normative cost of various input in line with the recommendations of DEA came up.

3. Accordingly, for working out the normative cost, the competent authority has approved constitution of a Committee comprising the following officers for National Highways Development Projects.

- (i) DG(RD)&SS, MoRTH- Chairman
- (ii) ADG, MoRTH- Member
- (iii) Chief Engineer (Planning), MoRTH Member
- (iv) Member(Technical), NHAI-Member

4. The Committee shall submit the formulation of normative cost within a period of two months.

[Signature]
17/12/2012
(CUSHIL KUMAR JHA)
Under Secretary(Highways)
Phone : 2335 3141

To

- (i) DG(RD)&SS, MoRTH
- (ii) ADG, MoRTH
- (iii) Chief Engineer(Planning), MoRTH
- (iv) Member(Technical), NHAI

Copy for information to

- (i) PS to Minister(RT&H)
- (ii) PPS to Secretary(RT&H)
- (iii) PPS to AS&FA
- (iv) PPS to JS(Highways)
- (v) PS to Chairman, NHAI

Annex-2

Average civil construction cost of 2-lane with paved shoulders on EPC mode

Sl. No.	Name of the Project	State	NH No.	Phase	Mode	Length (km)	Civil Construction cost (Rs)	Cost per km (Rs in crore)
1	Nimbi-Jodha	Rajsthan	458	IV	EPC	139.9	3681520217.00	2.63
2	Raibareli-Banda	UP		IV	EPC	130.96	3511021811.51	2.68
3	Tanda Raibareli	UP		IV	EPC	153.98	4958858214.72	3.22
4	Lambia-Jaitaran	Rajsthan	458	IV	EPC	52.80	1584046213.00	3
5	Raipur-Jassa Khera	Rajsthan	458	IV	EPC	32.36	1493408664.00	4.61
6	Uniara-Gulabpur	Rajsthan	148D	IV	EPC	172.21	4784888143.75	2.78
7	Dholpur-Uchanangla	Rajsthan	123	IV	EPC	74.60	3076382461.80	4.12
8	Karauli Dholpur	Rajsthan	11B	IV	EPC	109.39	2958320668.92	2.95
9	Sitarganj Tanakpur	Rajsthan	125	IV	EPC	52.20	2264248130.29	4.34
10	Bareilly Sitarganj	Uttarakhand	74	IV	EPC	74.46	3011582063.86	4.04
11	Bankura Purulia	West Bengal	60A	NHIIP	EPC	83.43	2658100000.00	3.19
12	Thanjavur Pudukottai	Tamilnadu	226	IV	EPC	55.228	1695100000.00	3.07
13	Tirumayam Manamadurai	Tamilnadu	226	IV	EPC	77.729	2525280315.00	3.25
14	Chhapra Muzaffarpur	Bihar	102	IV	EPC	73.079	2696600000.00	3.69
		Average cost per km				Say		3.40

Standard deviation

0.65

Estimated cost of two lane paved shoulder in a length of 1 km for various CBR value of the soil and lead of materials (Rs. In Lakh)

10 msa

CBR Value	Lead of materials (km)						
		25	50	100	150	200	300
	3	232.12	253.11	289.81	310.85	340.54	374.65
	5	208.67	226.15	258.04	276.38	302.23	332.04
	7	191.60	207.13	235.27	251.4	274.19	300.60
	9	179.24	193.40	218.83	233.53	254.21	278.25
	10	179.24	193.40	218.83	233.53	254.21	278.25

Estimated cost of two lane paved shoulder in a length of 1 km for various
CBR value of the soil and lead of materials (Rs. In Lakh)

50 msa

CBR Value	Lead of materials (km)						
		25	50	100	150	200	300
	3	273.06	295.23	335.56	358.70	391.31	428.76
	5	254.26	274.23	310.28	331.00	360.19	393.82
	7	231.45	249.15	280.86	299.14	324.87	354.62
	9	216.07	232.22	260.98	277.58	300.94	328.03
	10	213.24	229.23	257.73	274.19	297.34	324.20