

**Office of the Superintending Engineer, N.H. Planning & Design Circle,  
P.W (Roads) Directorate, Govt. of West Bengal**

**1ST ADDENDA & CORRIGENDA to NH Schedule of Rates for ROAD & BRIDGE Works 2014-15**

**1.0** Tables of the following item nos. 5.3 , 5.6 & 5.8 of Chapter A, vide page no. 16 to 17 of NH SCHEDULE OF RATES for ROAD & BRIDGE WORKS 2014 - 2015 replaced as below. Notes and other details except the table contents will remain same.

**5.3 Per cum of Bituminous Macadam**

Size of crushed stone aggregates	<b>Grading-1</b> 40 mm nominal size 80 - 100 mm (Layer thickness) cum.	<b>Grading-2</b> 19 mm nominal size 50 - 75 mm (Layer thickness) cum.
37.5 mm	0.07	-
26.5 mm	0.11	-
20 mm		0.07
13.2 mm	0.56	0.33
5.6 mm	0.43	0.65
2.36 mm	0.09	0.21
300 micron	0.08	0.08
75 micron	0.08	0.08
Bitumen content (%) by mass of total mix	3.3%	3.4%
Bitumen content by mass	73 Kg	75 Kg

**5.6 Per cum of Dense Graded Bituminous Macadam**

Size of crushed stone aggregates	<b>Grading-1</b> 37.5 mm nominal size (Layer thickness 75 - 100 mm) Cum.	<b>Grading-2</b> 26.5 mm nominal size (Layer thickness 50 -75 mm) Cum.
37.5 mm	0.04	-
26.5 mm	0.28	0.07
20 mm	-	0.17
13.2 mm	0.19	0.22
5.6 mm	0.27	0.32
2.36 mm	0.16	0.16
300 micron	0.30	0.30
75 micron	0.20	0.20
Bitumen content (%) by mass of total mix	4.0% (min.)	4.5% (min.)
Bitumen content by mass	92 Kg (Min)	104 Kg (Min)
Filer(2 % by total weight of aggregate)(Cement /lime / Rock dust )	45 Kg	45 Kg

## 5.8 Per cum of Bituminous Concrete

Size of crushed stone aggregates	Grading -1 19 mm nominal size (layer thickness 50mm) Cum	Grading - 2 13.2 mm nominal size (layer thickness 30-40mm) Cum
20mm	0.07	-
13.2mm	0.38	0.07
10mm	0.10	0.24
5.6mm	0.25	0.25
2.36mm	0.13	0.18
1.18mm	0.13	0.13
600 micron	0.09	0.13
300 micron	0.09	0.13
150 micron	0.09	0.10
75 micron	0.13	0.23
Bitumen content (%) by mass of total mix	5.20 % (min.)	5.40 % (min.)
Bitumen content by mass	123 Kg (Min)	127 Kg (Min)
Filer(2 % by total weight of aggregate)(Cement /lime / Rock dust )	45 kg	45 kg

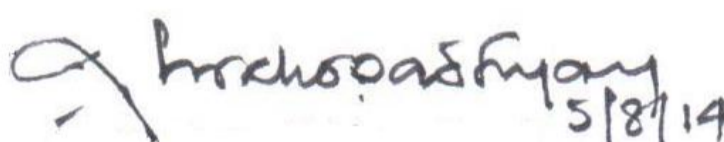
- 2.0 In item no. 6 of chapter 5 (page 118) following corrections to be made as shown below in the description of item (column - 2).

To be read as	In place of
"...4.0% (min) for Grading -1 and 4.5% (min) for Grading -2..."	"...4.0 to 4.5 per cent..."
"For Grading 1 (37.5 mm nominal size)"	"For Grading I ( 40 mm nominal size)"
"For Grading 2 ( 26.5 mm nominal size )"	"For Grading II ( 19 mm nominal size )"

- 3.0 In item no. 8 of chapter 5 (page 119) please read as "**...@ 5.2% (min) for Gr.-1 (19mm aggregate size) & @ 5.4% (min) for Gr.-2 (13.2mm aggregate size)...**" in place of "...@ 5.2% for Gr.-I(19mm agg size) & @ 5.4% for Gr.-II(13.2mm agg size)..." & please read as "( 13.2 mm nominal size )" in place of"( 13 mm nominal size )" in the description of item (column - 2).
- 4.0 In chapter 1 (page 71) please read as "**Cement (in bags), tar or bitumen, Steel materials, timber and similar materials**" in place of "Cement (in bags), tar or asphalt (in drums),Steel materials, timber materials" in the description of item (in column-2) relates to Sl. No. - 2.
- 5.0 Substitute the expression "ARAUNI" with the expression "**BARAUNI**" as in **Annexure - 1A in page - 306.**
- 6.0 Insert the following Table **at the end of Page 68** relates to bulrage/Shrinkage of coarse & fine aggregate (Reference to **MoRT&H's** specification,5th Revision **Table 500-50** ).

Sl No.	Standard Size of Aggregates	Percentage Reduction in volume computed by stack measurements to arrive at the volume to be paid for
1.0	75 mm and 63 mm	12.5
2.0	53 mm	11.0
3.0	45 mm to 26.5 mm	10.0
4.0	22.4 mm to 5.6 mm	5.0
5.0	Fine aggregate	5.0

- 7.0 The expression against Sl. 14, vide page-2 art. III) i.e. The overhead charges for road and bridge works, please read as "**Sales/ turnover tax (VAT on material components such as stone aggregates, sand, cement, bitumen, steel etc. is not considered under this overhead component.**" in place of " Sales/ turnover tax."

  
5/8/14

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