

Schedule XLV From No. 134.

BIHAR P.W.D.

महोदय महोदय

महोदय

HAARNAUT

DIVISION

Mooysaraya

SUB-DIVISION

MEASUREMENT BOOK

Sir John Kamme boudelochon & Co Ltd

998

ਮਾਪਦੰਡ ਰੱਖੀ ਜਾਣੇ ਵਾਲੇ 10 ਮੀਟਰ ਦੀ ਥਾਂ
ਜਿਥੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ 100 ਮੀਟਰ ਦੀ ਥਾਂ
ਵਾਲੇ 10 ਮੀਟਰ ਦੀ ਥਾਂ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ
ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ
ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ

28.04.21

ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ
ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ
ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ ਮਾਪਦੰਡ ਦੇ ਵਾਲੇ

28.04.21

Sch. XLV-Form No. 134

HARNAU DIVISION
SUB-DIVISION

Measurement Book

No. 978

Name of officer _____

Date of first entry _____

Date of last entry _____



1st MA/CB/T

Name of work : MRB Five year maintain
 Situation of Work : of Road from Nari Sani
 Agency by which work is executed : Nari Path to Damam
 Date of measurement : 17/9/2022 MR-N/20-21
 No. and date of agreement : 21-03-2021 Harnid/04.

(These four lines should be repeated at the commencement of the measurements relating to each

Agency - Subh Karmahafundation

Particulars No. L. B. D. Contents of area

Agreement No - 05/MAD/2021-22

Agreement Amount Value - Rs 3,63,50,223 = w

Accepted rate 0.0% below -

Date of completion 30-12-2021

1) Providing and applying

Primer coat with bitumen emulsion S-S-1 on prepared surface

1 x 3m x (4.8m + 5.10 + 7.60) = 17.50 m²

1 x 16m x (4.80 + 3.50 + 3.30 + 3.10) = 60.00 m²

1 x 181m x 3.0m = 543.00 m²

Total 620.50 m²

2) Providing and applying

Primer coat with Bitumen emulsion S-S-1 on

same area as per item (1) Measure - 620.50 m²

3) Providing laying and

rolling of 20mm thick

closed graded Prm mix

carpet m.s.s. Type B

Same measure as per 620.50 m²

Continuation Add. 620.50 m² x 15 = 93.075 m²

Extra 100 Totu 713.575 m²

Limit - 703.80 m²



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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Primary cut off					
Tack coat with Bitum emulsion ^{RSF} prism disturbe					
over B-T surface					
Same Area as per it item ① measure					620.50 m ²
Damaged c.c. Part					93.075
620.50 m ² x 15% =					90.075 m ²
Total					710.525 m ²
					713.57
⑤ Primary Slurry S.D.					
B.C with prime coat					
bitum in binder 4.5%					
5% of mix					

Surface Area m.s.s.		
$1 \times 3 \text{ m} \times 4.8 \text{ m} + 5.12 + 7.60$	$\times 0.025 \text{ m} = 0.4375 \text{ m}^2$	
$1 \times 16 \text{ m} \times 3.75 \text{ m} \times 0.025 \text{ m} = 1.5 \text{ m}^2$		
$1 \times 18 \text{ m} \times 3.0 \text{ m} \times 0.025 \text{ m} = 13.575 \text{ m}^2$		
Total 15.512 m^2		
Limit 15.30 m^2		
⑥ Provide and lay of lot applied the m.p.s.e. compare road mark		
area p.s. surface		
$2 \times 20 \text{ m} \times 0.10 \text{ m} = 40 \text{ m}^2$		
$2 \times 4 \text{ m} \times 0.10 = 0.8 \text{ m}^2$		
Total 40.8 m^2		
Date $17/9/2022$		
Signature		

Continuation

Particulars	Details of actual measurement			Contents of area
	No	1	2	
Material of S.P. ml				
① primer coat with emulsion				
" S-1 → 620.5m				5.51 → 527.43
Quantity 620.5m				
② Pack coat over old c.c. Pavt				
Quantity 620.5m				R-5-1 → 170.64K
③ M.S.S. 20mm thick				
Quantity 703.80 m ²				
④ Pack Starchips				
Qty 11.2m to 0.9m				19.00m
Paper B. 13.2m to 9m				
13.2 to 5.4m				13.25
Bitum 16.10				13.37.22K
work done				

④ Pack coat over P.T					
Quantity 713.525m					
Emulsion R-5-1				142.705K	
⑤ S. D. B. (4.5m)					
Quantity 4.5m					
15.30 m ³					
Starchips material				4.495m	
13.2 - 10mm - 20%				8.498m	
10mm to 5mm 38%				8.542m	
5mm and below 40%				8.991m	
Filler - 2%				460.33K	
Bitum 16.30				1.5889MT	

Overall
17.9.22

Continuation

Stone 1.0180150 =
Sub 0.522 m³ / 165/m³ =

6154 =
86 =
6240 =

Purchase 4
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Particulars	Details of actual measurement		Contents of area
From	Mult	Opticon	limited
Purchase of Bitumen and Emulsion			
Package No - MR-N/22-27 Harmand (4)			
Invoice No - FY 2122 M 2301 G			
4228 date 25 Jan 2022			
R-S-1 - Bitumen	13.00	MT	
S-S-1 - " "	10.00	MT	
AND			
Invoice No - FY 2122 M 2301 G			
S-S-1	4227		
date 25 Jan 2022			
L>	11.60	MT	
Hindi			

Purchase from Hindustan			
COLAS Private Limited			
As per Invoice No 520810/990			
Date 21-05-2022			
emulsion S-S-1 - (1 MT)			
Invoice No - 520810/989			
date 21-05-2022			
emulsion R-S-1 - (1 MT)			

Continuation



ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Provide and apply in prime coat with Benmix 5-5-1. Quantity vide Part ①					
620.5 m ² @ R 40.30 per m ²					Rs 25,006.40
② Pack coat over BM or c.c. surface. Quantity vide Part ①					
620.5 m ² @ R 13.35 per m ²					Rs 8284.20
Ind. 612.00					9170.2
③ Provide dry mix thick m.s.s. with Quantity vide Part ①					
5703.80 m ² @ R 190.30 per m ²					Rs 1,33,968.40

④ Pack coat over J.S. Surface. Quantity vide Part ②					
5710.575 m ² @ R 11.10 per m ²					Rs 79,212.00
713.00					7887.00

⑤ Provide & laying semi dens. Bituminous concrete with 4.5% portland cement. Quantity vide Part ②					
15.30 m ³ @ R 8736.06 per m ³					Rs 1,33,662.90

⑥ Provide laying Road Marla with hot applied Thermoflex Quantity vide Part ②					
40.80 m ² @ R 859.57 per m ²					Rs 35,068.00
743.793					3,43,875.00
79.00					41,265.00
17/9/2022					3,88,579.00

Continuation					
1 x. Labour R 3439.00					3513.00
10/9/22					3,91,002.00



