

Barahmokra Sirma Path to Sirma
Schedule XLV-Form No. 134
Chahar Tala

FDR

Darbhangsa-1

DIVISION

Hajaghat

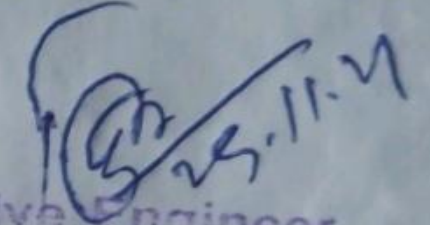
SUB-DIVISION

3874

MEASUREMENT BOOK

24/4/98 - 9/11/98 (1/11/98 bit 1/11/98)

प्रमाणित किया जाता है कि इस
मापी हुई में टंकित कुल - 100000
रुपये) पन्ने हैं, जो श्री विवेक
कुमार, सहायक अभियंता, राष्ट्रीय
कार्गो विभाग, कार्गो अवर प्रमंडल,
हामाबाद के नाम के निर्माण किया
जाता है।


Executive Engineer
R.W.D. - Irrigation Division
Durgamanga-1
29.11.21

Name of Work—

Situation of Work—

Agency by which work is executed—

Date of Measurement—

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st	and	End	1314	
Name of work—	Permanent restoration				
of road from	Brahmotsar Sirmur				
path to Sirmur	Chamara tola				
Block—	Hayaghat				
E/Agency—	Nirmal Kant Mishra				
At + P.O—	Baghauri Darbhanga				
Agreement no—	23 P2/2021-22				
package no—	22				
Date of work—	18/08/2021				
Work is completed on dated	18/08/2021				
work is started by order of E.E.					
E.E. Certificate					

Measurement is carry forwarded by
Site book.

Entered date 20/11/2024.

1. Construction of Granular

Sub base formation

well graded materials

complete job

4.5 km.

at edge $1 \times 5 \times 0.70 \times 0.100 = 0.35 \text{ m}^3$

at edge $1 \times 6.0 \times 0.60 \times 0.10 = 0.36 \text{ m}^3$

$1 \times 4.50 \times 0.85 \times 0.10 = 0.38 \text{ m}^3$

" $1 \times 4.80 \times 0.20 \times 0.10 \times 0.96 =$

" $1 \times 15.0 \times 0.70 \times 0.100 = 1.05$

" $1 \times 17.20 \times 0.60 \times 0.10 = 1.03 \text{ m}^3$

" $1 \times 25.0 \times 0.60 \times 0.10 = 1.50 \text{ m}^3$

" $1 \times 24.50 \times 0.70 \times 0.10 = 1.51$

" $1 \times 6.50 \times 0.65 \times 0.10 = 0.42 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 edge	1	16.40	0.70	0.10	1.15
"	1	9.60	0.10	0.10	0.48
"	1	6.50	0.75	0.10	0.49
"	1	8.80	0.65	0.10	0.55
"	1	11.40	0.75	0.10	0.86
"	1	6.70	0.70	0.10	0.47
"	1	6.50	0.80	0.10	0.52
"	1	11.50	0.70	0.10	0.81
"	4	7.80	0.90	0.10	2.70
"	2	4.50	1.70	0.15	1.62
"	5	2.50	1.60	0.15	2.30
2 edge	1	22.65	1.60	0.10	3.62
"	2	17.80	0.75	0.10	2.63
"	1	8.70	2.40	0.10	3.26
"	1	6.50	2.35	0.125	1.91
"	1	9.55	2.20	0.125	2.63
"	1	11.85	1.30	0.125	2.52
"	1	19.80	0.95	0.125	2.35
"	1	4.50	0.90	0.10	0.41
"	1	9.60	0.85	0.10	0.82
"	2	11.50	1.40	0.10	3.22
"	2	17.50	1.35	0.125	5.91
"	1	10.65	1.25	0.150	2.40
"	1	4.75	2.40	0.150	1.43
2 edge	2	30.40	0.70	0.10	4.70
2 edge	1	25.00	0.65	0.10	1.63
"	1	14.60	0.10	0.10	1.23

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/P
	1	19.50	0.75	0.100	= 1.46 "
	1	23.60	0.30	0.100	= 2.03 "
	1	8.50	2.50	0.100	= 2.13 "
	4	6.50	1.90	0.125	= 6.18 "
	5	2.50	1.85	0.100	= 2.31 "
	2	12.40	1.45	0.125	= 4.50 "
	4	8.50	1.25	0.100	= 5.95 "
	2	26.75	0.60	0.150	= 4.82 "
	2	29.10	0.70	0.125	= 5.08 "
	4	30.00	0.50	0.125	= 7.50 "
At edge -	2	30.00	0.60	0.100	= 3.60 "
"	1	18.60	3.50	0.125	= 8.14 "
	1	21.40	3.00	0.125	= 8.03 "
	1	13.80	1.40	0.125	= 3.12 "
	1	2.60	1.20	0.100	= 0.31 "
2nd edge -	1	28.90	0.85	0.125	= 3.02 "
	1	24.50	3.10	0.150	= 11.39 "
	1	11.50	2.30	0.125	= 4.18 "
3rd km	1	6.50	0.50	0.100	= 0.33 "
At edge -	5	30.00	0.50	0.125	= 9.38 "
	4	30.00	0.60	0.100	= 7.20 "
	2	5.40	1.45	0.100	= 1.52 "
	1	19.50	2.85	0.150	= 8.34 "
	1	23.60	2.90	0.125	= 8.56 "
	1	18.50	3.15	0.150	= 8.97 "
	4	30.00	0.60	0.100	= 7.20 "
	4	30.00	0.65	0.100	= 7.80 "

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/f.
		$2 \times 30.00 \times 2.75 \times 0.100$			$= 4.50 \text{ u}$
		$1 \times 24.70 \times 0.80 \times 0.100$			$= 1.98 \text{ u}$
		$5 \times 30.00 \times 0.70 \times 0.100$			$= 10.50 \text{ u}$
		$2 \times 30.00 \times 0.75 \times 0.100$			$= 4.50 \text{ u}$
<u>4th item:</u>		$1 \times 21.30 \times 0.65 \times 0.125$			$= 1.73 \text{ u}$
		$1 \times 17.50 \times 3.20 \times 0.100$			$= 5.60 \text{ u}$
		$1 \times 8.50 \times 1.45 \times 0.100$			$= 0.94 \text{ u}$
		$1 \times 9.30 \times 1.60 \times 0.100$			$= 3.56 \text{ u}$
		$3 \times 30.00 \times 1.50 \times 0.100$			$= 13.50 \text{ u}$
		$1 \times 24.50 \times 1.20 \times 0.100$			$= 2.94 \text{ u}$
		$1 \times 30.00 \times 0.70 \times 0.100$			$= 8.40 \text{ u}$
		$1 \times 19.40 \times 0.50 \times 0.100$			$= 0.97 \text{ u}$
<u>R</u>		$3 \times 30.00 \times 0.60 \times 0.100$			$= 5.40 \text{ u}$
		$1 \times 17.80 \times 0.45 \times 0.100$			$= 0.80 \text{ u}$
		$1 \times 9.40 \times 1.40 \times 0.100$			$= 1.32 \text{ u}$
		$1 \times 6.50 \times 2.50 \times 0.100$			$= 1.63 \text{ u}$
		$2 \times 30.00 \times 1.70 \times 0.100$			$= 10.20 \text{ u}$
		$1 \times 11.65 \times 1.25 \times 0.100$			$= 1.46 \text{ u}$
					<u>283.98 u</u>
(2) providing WPM-II material					
Laying, spreading and					
compacting ——— all complete					
for					
<u>for lat K.H.</u>		$1 \times 5.50 \times 1.40 \times 0.075$			$= 0.58 \text{ u}$
		$1 \times 6.50 \times 1.20 \times 0.075$			$= 0.63 \text{ u}$
		$1 \times 5.00 \times 1.55 \times 0.075$			$= 0.58 \text{ u}$
		$1 \times 5.30 \times 2.70 \times 0.075$			$= 1.07 \text{ u}$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$\frac{1}{2}$
	1	15.50	1.40	0.075	$= 1.63^u$
	1	17.70	1.30	0.075	$= 1.73^u$
	1	25.50	1.30	0.075	$= 2.49^u$
	1	22.40	1.40	0.075	$= 2.35^u$
	1	7.80	1.35	0.075	$= 0.76^u$
	1	16.90	1.40	0.075	$= 1.77^u$
	1	10.40	1.20	0.075	$= 0.74^u$
	1	7.60	1.45	0.075	$= 0.83^u$
	1	9.25	1.35	0.075	$= 0.94^u$
	1	6.00	2.00	0.075	$= 0.90^u$
	1	11.50	1.45	0.075	$= 1.29^u$
	1	7.70	1.40	0.075	$= 0.76^u$
	1	7.40	1.50	0.075	$= 0.79^u$
	1	2.00	2.40	0.075	$= 2.27^u$
	1	2.00	1.40	0.075	$= 1.26^u$
	4	8.00	1.60	0.075	$= 3.84^u$
	2	5.60	1.90	0.075	$= 1.60^u$
	5	3.70	2.30	0.075	$= 3.19^u$
	1	23.15	2.30	0.075	$= 3.99^u$
	2	18.00	1.45	0.075	$= 3.92^u$
	4	2.50	1.90	0.075	$= 1.43^u$
	1	5.20	3.20	0.075	$= 2.21^u$
	1	7.00	3.05	0.075	$= 1.60^u$
	1	10.65	2.90	0.075	$= 2.19^u$
	1	12.35	2.40	0.075	$= 2.22^u$
	1	20.30	1.65	0.075	$= 2.51^u$
	1	5.00	1.60	0.075	$= 0.60^u$
	1	10.00	1.55	0.075	$= 1.17^u$
In 2 km -	2	12.00	2.10	0.075	$= 3.78^u$
	2	18.00	2.05	0.075	$= 5.54^u$
	1	11.15	1.95	0.075	$= 1.63^u$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/A
	3	1.60	1.40	0.075	= 0.50 "
	1	5.25	2.70	0.075	= 1.06 "
	2	20.00	1.40	0.075	= 6.30 "
	1	25.50	1.35	0.075	= 2.58 "
	1	25.10	1.20	0.075	= 2.26 "
	1	20.40	1.45	0.075	= 2.18 "
	1	23.10	1.60	0.075	= 2.73 "
	1	11.20	3.20	0.075	= 2.69 "
	4	8.60	2.60	0.075	= 6.31 "
	5	31.60	2.55	0.075	= 3.40 "
	2	13.25	2.15	0.075	= 4.30 "
	4	9.40	2.45	0.075	= 6.90 "
	2	27.25	1.30	0.075	= 5.30 "
	2	30.00	1.40	0.075	= 6.30 "
	4	30.00	1.20	0.075	= 10.80 "
	2	30.00	1.30	0.075	= 5.90 "
	1	19.10	3.75	0.075	= 5.40 "
	1	21.90	3.75	0.075	= 6.20 "
	1	18.30	2.10	0.075	= 2.90 "
	1	3.00	1.30	0.075	= 0.40 "
	4	29.40	1.55	0.075	= 3.40 "
	1	25.00	3.50	0.075	= 6.60 "
	1	12.00	3.60	0.075	= 3.20 "
In 2nd km	1	7.60	1.20	0.075	= 0.69 "
	3	1.90	1.75	0.075	= 0.75 "
	5	30.00	2.20	0.075	= 13.50 "
	4	30.00	1.30	0.075	= 11.70 "
	5	1.80	1.70	0.075	= 1.15 "
	2	9.50	2.15	0.075	= 3.10 "
	1	20.55	3.55	0.075	= 5.40 "

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				P12	
	6	4.50	2.60	0.075	5.30 "
	1	24.10	3.60	0.075	6.50 "
	1	19.70	3.75	0.075	5.40 "
	4	30.00	1.30	0.075	11.70
	4	1.30	1.40	0.075	0.71 "
	4	30.00	1.35	0.075	12.20
	2	30.00	1.45	0.075	6.50 "
	1	27.00	1.50	0.075	3.00
	5	30.00	1.40	0.075	15.80
	2	30.00	1.45	0.075	6.50 "
4th km.	1	23.40	2.75	0.075	4.80
	1	18.55	3.75	0.075	5.30
	1	7.00	2.15	0.075	1.13 "
	1	10.00	2.30	0.075	1.73 "
	1	13.00	3.15	0.075	3.07 "
	3	30.00	2.20	0.075	14.85 "
	1	27.00	1.90	0.075	3.85 "
	4	30.00	2.25	0.075	21.15
	1	19.70	2.25	0.075	3.36 "
	3	30.00	2.40	0.075	16.20 "
	6	1.80	1.70	0.075	1.38 "
	1	18.30	2.30	0.075	3.16 "
	4	1.95	1.60	0.075	0.84 "
	1	11.50	2.10	0.075	1.81
	1	7.50	3.20	0.075	1.80 "
	2	1.95	1.60	0.075	0.43 "
	1	17.85	1.95	0.075	2.61
	1	1.50	1.40	0.075	0.20 "
	2	30.00	2.40	0.075	10.80 "
					370.54 "

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) providing and applying prime coat with bitumen emulsion (SS1) — all complete JWB					
Qty. laid out from item no (2)					
					$= 3770.54 / 0.075 = 4940.53 \text{ m}^2$
(4) providing and applying tack coat (RS1) bitumen emulsion — all complete					
<u>In 1st km.</u>	1	10.50	(5.25 + 3.75)		$= 40.50$
	1	19.50	3.75		$= 73.13$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	1	10.00	3.75		$= 37.50$
<u>In 2nd km.</u>	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$
	4	30.00	3.75		$= 450.00$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					MP
	5	30.00	3.75		562.50
	1	30.00	3.75		37.50
<u>In 3rd km.</u>	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	1	30.00	3.75		112.50
	1	30.00	3.75		37.50
<u>In 4th km.</u>	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	4	30.00	3.75		450.00
	1	30.00	3.75		112.50
	1	30.00	3.75		37.50
					15007.80
					172
4. providing laying and relief of closed graded premium surface at complete jct					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1st km</u>	1	10.50	(5.25+3.75)		47.25 m ²
	1	19.50	3.75		73.13 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	1	10.00	3.75		37.50 "
<u>2nd km</u>	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	5	30.00	3.75		562.50 "
	1	10.00	3.75		37.50 "
<u>3rd km</u>	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "
	4	30.00	3.75		450.00 "

Scanned by Scanner Go

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST.</u>					
(1) Construction of Ganga Sub-base by providing well graded material — all complete in					
Qty. 283.98 m^3 —				P/4	
@ $2884.39/\text{m}^3$ —				R	819109 = 0
(2) providing layer spreading & compaction WBM-1 material — all complete in					
Qty. 370.54 m^3 —				P/7	
@ $3642.04/\text{m}^3$ —				R	1349522
(3) providing and applying primer coat with Bitumen emulsion (SS-1) — all complete in					
Qty. 4940.53 m^2 —				P/8	
@ $49.31/\text{m}^2$ —				R	2436182
4. providing and applying face coat with bitumen emulsion (RS-1) —					
Qty. 15007.88 m^2 —				P/9	
@ $16.76/\text{m}^2$ —				R	251532 = 0

C.O. Rs 2663781 = 0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.R.	
(5) priming layer and rolling of closed-roofed premix surfacing material of 20 mm thick — 11 courses					
Qty. 15007.88 m ²				$\frac{11}{1}$	
@ 221.56/m ²					Rs 3325146.7
					Rs 59,88,927
Add G.P. - 12%					Rs 7186712.0
Add L.C. - 1%					Rs 598892.0
Add Scaffolding fee					
(i) G.S.D. - Qty. = 283.98 m ³					
@ 551.40 x 0.10 =					Rs 15659.0
(ii) W.B.M. - Qty. = 370.54 m ³					
@ 703.87 x 0.10 =					Rs 26081.2
(iii) Mixed Surfacing					
Qty. 15007.88 m ²					
@ 13.92 x 0.10 =					Rs 20891.0
					Rs 62631.0
Add S.Fee					Rs 62631.0
Less 0.01% as per Agreement					Rs 68,30,118.0
					Rs 6830.00
					Rs 68,29,435.0
20 11/2 2 3/4 3 1/2					
Material Statement					
(i) Stone chips/metal					- 1215.11 m ³
(ii) Stone dust					- 68.15 m ³
(iii) Bitumen (V-10)					- 26.234 M.T.
(iv) Bitumen Emulsion (5%)					- 4.20 M.T.
(v) Bitumen Emulsion (RS-1)					- 4.127 M.T.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(vi) waste plastic - 2.231 M.T.					30.11.21
Bitumen road emulsion					
Voucher details: —					
(A) For Bitumen Emulsion Tax Invoice.					
Damar India Pvt. LTD.					
Baramuli Refinery, IOC LTD.					
LUBE OIL DEPOT HARPUR					
Begusarai					
Invoice No: —					
DIPL/118/2021-22					
dated - 29 Jun. 2021					
(i) Bitumen Emulsion (SS-1) - 4400 = 00k					
(ii) Bitumen Emulsion (RS-1) - 4200 = 00k					
(B) For Bitumen (Vg-10)					
(i) Indian Oil Corporation Limited.					
Doc Name Tax Invoice - 20222323B032221					
number BH5520067147					
SAP Doc no - 744256046					
date 22 Jul - 21.					
Time - 12:23.					
Qty. 17.160 M.T.					
(ii) Doc Name Tax Invoice - 20222323B032221					
number BH5520067142					
SAP Doc no - 744252697					
date - 22 Jul - 21					
Time - 12:24.					
Qty. 11.388 M.T.					
30.11.21					
30.11.21					