

1st on A/c Bill R Final

INT & Final Bill

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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

N/Work:- Repair of rd 680m

~~Bangar~~ NH (SH) to Patuaha
Under Kahra block.

N/Agency:- Raj Rangan Singh.

A.No.:- 03/MBD MR/2019-20

Date of commencement:- 02.12.2019.

Time of completion:- 01.09.2020.

Actual date of completion:- 25/3/2020

Date of Measurement:- 25/03/2020

Date of entry:- 25/03/2020

Item - 1. clearing and gru-

bbing Road land

(By manual means)

including uprooting

- do - as per T.S.

and direction of E/W.

Class - 201.1

$$2 \times 10 \times 20.00 \times 1.00 = 600.00 \text{ m}^2$$

$$2 \times 10 \times 30.00 \times 1.00 = 600.00 \text{ m}^2$$

$$2 \times 7 \times 30.00 \times 1.00 = 420.00 \text{ m}^2$$

$$2 \times 1 \times 26.00 \times 1.00 = 52.00 \text{ m}^2$$

$$\text{Total} = 1672.00 \text{ m}^2$$

$$= 0.1672 \text{ Hec}$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Item-2</u>	Constt. of granular				
	Sub-base by providing				
	well graded material				
	(Gr-II) -- do -- as				
	per T.S. and direction				
	of E/g. clause-40.				
	1 X 3.00 X	1.90	X 0.175	=	0.99 m ³
	1 X 2.00 X	1.20	X 0.175	=	0.42 m ³
	3 X 3.00 X	1.10	X 0.175	=	1.73 m ³
	2 X 1.00 X	0.80	X 0.175	=	0.28 m ³
	3 X 2.00 X	0.60	X 0.175	=	0.63 m ³

	1 X 1.60 X	0.50	X 0.175	=	0.14 m ³
	2 X 8.00 X	0.45	X 0.175	=	1.26 m ³
	2 X 2.00 X	0.40	X 0.175	=	0.28 m ³
	Total =				5.73 m ³

<u>Item-3</u>	PM, laying, spreading				
	and compacting stones				
	aggregates (WBM Gr-II)				
	-- do -- as per				
	T.S. and direction of				
	E/g. clause 405.				

	2 X 3.00 X	1.90	X 0.075	=	0.855 m ³
	1 X 2.00 X	1.20	X 0.075	=	0.18 m ³
	3 X 3.00 X	1.10	X 0.075	=	0.74 m ³

Continuation

Total = 1.775 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 X 1.00 X		0.80	0.075	=	0.12 m ³
2 X 5.00 X		0.60	0.075	=	0.45 m ³
2 X 6.00 X		0.50	0.075	=	0.45 m ³
2 X 8.00 X		0.45	0.075	=	0.54 m ³
4 X 9.00 X		0.40	0.075	=	1.08 m ³
				Total =	4.415 m ³

Item 4 P.V., Laying, Spreading
and compacting stone
aggregate (208 M Cum-III)
— do — as per T.S.
and direction of E/q.

2 X 5.00 X	1.90	0.075	=	1.425 m ³
1 X 8.00 X	1.20	0.075	=	0.72 m ³
3 X 3.00 X	1.10	0.075	=	0.74 m ³
2 X 7.00 X	0.80	0.075	=	1.08 m ³
2 X 5.00 X	0.60	0.075	=	0.45 m ³
2 X 6.00 X	1.50	0.075	=	1.35 m ³
2 X 8.00 X	0.45	0.075	=	0.54 m ³
4 X 2.00 X	0.40	0.075	=	0.24 m ³
			Total =	6.545 m ³

Item 5 P.V. and ~~lining~~
applying primer coat
with bitumen emulsion
(SS-1) on prepared surface
— do — as per T.S. and
direction of E/q. clause-502.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Continue Item No - (5)					
2X	5.00	X	1.90	=	19.00 sq m ²
1X	8.00	X	1.20	=	9.60 m ²
3X	3.00	X	1.10	=	9.90 m ²
2X	9.00	X	0.80	=	14.40 m ²
2X	5.00	X	0.60	=	6.00 m ²
2X	6.00	X	1.50	=	18.00 m ²
2X	8.00	X	0.45	=	7.20 m ²
4X	2.00	X	0.40	=	3.20 m ²
Total =					87.30 m ²

Item-6 Plv and applying
tack coat with bitumin
emulsion (RS-1) using
-- do -- as per
T.S. and direction of
E/9. clause- 503.

Area vide above Item No.
(5), Page No- (63) to (64).

Area (A) = 87.30 m²

C.C. portion

10X 1.10 (av) X 0.950 (av) = 10.45 m²
8X 1.55 (av) X 0.600 (av) = 7.44 m²
5X 2.75 (av) X 0.850 (av) = 11.69 m²

Continuation

Total = 29.58 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continue Item (6)				B/F =	29.58 m ²
12X	1.25 (av)		1.40 (av)		21.00 m ²
7X	1.75 (av)		0.990 (av)		12.13 m ²
11X	1.30 (av)		0.850 (av)		12.16 m ²
27X	0.450 (av)		0.609 (av)		7.29 m ²
8X	0.710 (av)		0.95 (av)		5.40 m ²
10X	1.35 (av)		0.750 (av)		10.12 m ²
18X	1.65 (av)		1.75 (av)		51.98 m ²
17X	1.80 (av)		2.30 (av)		70.38 m ²
3X	2.15 (av)		2.40 (av)		25.80 m ²
					15.48
				(B) Total =	235.52
				(A+B) Total =	317.66 m ²
					322.82 m ²
Item-7 PW, laying and rolling, patch work over LBM using MGS for bituminous and existing BT & CC portion 20mm thick — do — as per technical specification and direct of B/A.					
Area above vide Item No. (6) Page No: (4 to 5)					
Total Area =					317.66 m ²
					322.82 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-8 Plv and applying tack coat with bituminous emulsion using emulsion pressure --- do --- as per T.S. and direct Eff.					
1 x 15.00 x		$\frac{7.00 + 3.80}{2}$	=	81.00	m ²
5 x 30.00 x		3.75 (av)	=	562.50	sqm
10 x 30.00 x		3.75 (av)	=	1125.00	m ²
10 x 30.00 x		3.75 (av)	=	1125.00	m ²
2 x 30.00 x		3.75 (av)	=	225.00	m ²
1 x 11.00 x		3.75 (av)	=	41.25	m ²
Total =				3159.75	m ²
Item-9. Plv and laying semi dense bituminous concrete with 100-120 TPH batch type HMP --- do --- Elg.					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continue Item No-9					B/F = 44.212 ^m
10 X 30.00 X 3.75 (m) X 0.025					= 28.125 ^m
2 X 30.00 X 3.75 (m) X 0.025					= 5.625 ^m
1 X 11.00 X 3.75 (m) X 0.025					= 1.031 ^m
					Total = 78.993 ^m

Item-10. P/V Reinforced
 Cement concrete M-15
 grade kilometre local
 Stone — do — as
 per drawing and T.S.
 clause 1703.

(i) KM Stone = 01 Nos.

(ii) 20cm Stone = 02 Nos.

Item-11 P/V and erecting
 direction & place iden-
 tification sign with
 size more than 0.90
 sign size board — do —
 — — as per E/q.

2 X 1.20 X 0.80 = 1.92^m

Item-12 Construction of
 Subgrade and earthen
 shoulders with approved
 materials obtained from
 — do Continuation E/q.

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-14	Plw reinforcement				
	concrete				
	M-15 grade boundary				
	pillars --- do --- E/q.				
	Qty = 08 Nos.				
Item-15	PIV & boxing				
	of typical MMSY				
	introductory sign				
	board with Logo ---				
	--- do --- as per				
	T.S. and direct. of E/q.				

Logo of Maintenance
project = 02 Nos.

Item-16 PIV and laying
of hot applied
thermoelastic compound
2.5mm thick --- do ---
as per direction of E/q.

(i) At Edge of BT Portion

$$2 \times 836.00 \times 0.100 = 167.20 \text{ m}^2$$

(ii) Pedestrian Crossing

$$3 \times 4 \times 0.90 \times 2.00 = 21.60 \text{ m}^2$$

by 25/3/2020
Work has been completed as per T.S. &
direct. of E/q.

by 25/3/2020
Continuation

by 25/3/2020

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material</u>					
E/W =	155.40	m ³			
Stone Metal =	17.70	m ³	@ Rs.		
Stone chips =	117.85	m ³	@ Rs.		
Stone screening =	2.76	m ²	@ Rs.		
Local sand =	2.94	m ³	@ Rs.		
Emulsion (RS-1) =	080.50	kg.			
(SS-1) =	76.25	kg.			
Bituminous					
(S-90) =	9795.00	kg.			
25/5/2020					

<u>Abstract of Cost.</u>					
<u>Item-1/1</u>	clearing and grubbing rd land.				
Dty =	0.1672	Hect.	vide TMBP-1		
	@ Rs.	49496.70	/Hect =	Rs.	8275.85
<u>Item-2/3</u>	Constn of GSB grading - II				
Dty =	5.73	m ³	vide TMBP-02		
	@ Rs.	1886.21	/m ³ =	Rs.	10807.98
<u>Item-3/4</u>	Plv. laying, spreading & compacting (LOBMGR-II)				
Dty =	4.415	m ³	vide TMBP-03		
	@ Rs.	3336.48	/m ³ =	Rs.	14730.56
Continuation					
Total =					
Rs. 33814.39					

B/F = Rs. 33814.39

11

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-4/5 P.V. laying, spreading and compacting (10BM Cor-III)					
Qty = 6.45 m ³ vide TMBP-03					
@ Rs. 3080.99/m ³ — Rs. 20034.18					
Item-5/6 Spreading and laying Primer Coat (SS-1) — do — 2/9.					
Qty = 87.30 m ² vide TMBP-04					
@ Rs. 42.52/m ² — Rs. 3711.99					
Item-6/8 P.V. & applying tack coat with ST. emulsion (RS-1)					
Qty = 322.82 m ² vide P-05					
3159.75 m ² vide P-06					
Total Qty = 3482.57 m ²					
@ Rs. 14.40/m ² — Rs. 50149.00					
Item-7/7 P.V. laying ready or PMC 20mm thick.					
Qty = 322.82 m ² vide TMBP-05					
@ Rs. 189.21/m ² — Rs. 61080.77					
Item-8/9 P.V. and laying dense bituminous					
Continuation					
concrete SDBC 75mm thick.					
Qty = 78.993 m ³ vide TMBA-7					
@ Rs. 9468.75/m ³ — Rs. 747764.97					
Total = Rs. 916755.30					

B/F = Rs. 9,16,755.30

12

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-9/2 Construction of					
Subgrade & earth					
Shoulders - do - etc.					
Qty = 155.40 m ³ vide TMBP (C8)					
@ Rs. 176.75/m ³					Rs. 27466.95
Item-10/10 Plv reinforced					
concrete concrete R.H.S					
grade KM stone					
(i) KM stones					
Qty = 01 Nos vide TMBP					
@ Rs. 2224.07 each					Rs. 2224.07
(ii) 200mm stone					
Qty = 02 Nos.					
@ Rs. 605.96 each					Rs. 1211.92
Item-11/11 Plv & erecting					
direction & place					
identification sign					
with size 0.90 Sqmt.					
- do - 2/9.					
Qty = 1.92 m ² vide TMBP (7)					
@ Rs. 12322.34/m ²					Rs. 23658.89

Continuation

Total = Rs. 971317.13

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-12/12 PIV & biting of retro-reflective cautionary Mandator Sign as per I.R.C. 67 — do — as per drawing & T.S.					
(i) 600 mm equilateral Δ Qty = 30.00 nos vide TMBP-08 @ Rs. 3632.50 each					108975.00 354487.50
(ii) 600 mm circular Qty = 04 nos vide P-08 @ Rs. 3731.85 each					14927.40
(iii) 600 mm x 450 mm rectangle Qty = 02 Nos vide P-08 @ Rs. 3602.73 each					7205.46
(iv) 900 mm side octagonal Qty = 04 nos vide P-08 @ Rs. 7595.53 each					30382.12
Item-13/13 PIV and laying fumble strip with road studs and thermoplastic — do — Etg.					
(v) a thermoplastic paint Qty = 9.00 m ² vide TMBP-08 @ Rs. 735.46					6618.60
(b) Road strips Qty = 84.00 nos vide P-08 @ Rs. 218.63 each					18364.92
1157750.63 Total = Rs. 1157750.63					

B/F = Rs. 1157790.65
 1157790.65

14

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-14/14		PIV reinforced			
		concrete M-15			
		grade boundary			
		pillars	do	etc.	
Qty = 08 Nos. vide TMBP-9					
		@ Rs. 490.15 each			Rs. 3921.28
Item-15/18		PIV & fixing			
		at typical MMSY			
		Maintenance Logo			
		at project	do		
		etc.			
Qty = 02 Nos. vide TMBP-9					
		@ Rs. 9340.62 each			Rs. 18681.24
Item-16/17		PIV & laying of			
		hot applied thermic			
		plastic compound			
		2.5 mm thick	do		
At Edge as per direction of flow					
(i) Qty = 167.20 vide P-9					
		@ Rs. 735.40/m ²			Rs. 122958.88
(ii) Pedestrian crossing					
Qty = 12.00 m ² vide P-9					
		@ Rs. 735.40/m ²			Rs. 8824.80

Continuation

Total = Rs. 1257689.28

1312176.72

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					1312 176.72
			B/F = Rs.		1257689.25
					157461.21
Add 12% GST (+) = Rs.					150922.71
Add 1% LC (+) = Rs.					13121.77
					12576.89
			Total = Rs.		1421188.85
					1482760
Less 1.11% As per Agreement (-) Rs.					16459
					15775.20
			Total Payble = Rs.		1405413.65
			Says. Rs.		1405414.00
					1466301
Dis 25/3/2020 B			Recd 25/03/2020 AB		

028
Rajmav
04.05.20