

1st and final Bill

1

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 final Bill				
Name of work:-	Construction of Road				
	from Belsand Khurd To Hanuman-				
	Nagar under M/R 3054 Scheme.				
Agency:-	Smt - Sunita Devi				
Agreement No:-	23MBD/2021-22				
Package No:-	MR-N/2019-20 Belsand for				
	under M/R 3054 Scheme				
Date of start:-	13.09.2021				
Date of completion:-	12.06.2022				

Record Measurement:- 02.05.2022

Date of Measurement:- 02.05.2022

(1/1) clearing and grubbing

Road land

$$2 \times 3540 \text{ m} \times 1.0 = 7080 \text{ m}^2 /$$

$$= 0.708 \text{ Hect}$$

$$= 0.702 \text{ Hect} /$$

(2/3) providing and laying G.S.B

with stone materials do:-

do - - - E/I.

$$5 \times 2.2 \times 1.32 \times 0.175 = 2.54 \text{ m}^3 /$$

$$6 \times 2.5 \times 1.1 \times 0.175 = 2.88 \text{ m}^3 /$$

$$4 \times 3.1 \times 1.0 \times 0.175 = 2.17 \text{ m}^3 /$$

$$3 \times 2.45 \times 1.55 \times 0.175 = 1.99 \text{ m}^3 /$$

$$2 \times 2.57 \times 1.52 \times 0.175 = 1.36 \text{ m}^3 /$$

$$= 10.94 \text{ m}^3 /$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9x	4.0x	2.10	x 0.175 =		13.23m ³
7x	3.5x	1.55x	0.175 =		6.64m ³
5x	3.2x	1.25x	0.175 =		3.5m ³
6x	3.9x	1.32x	0.175 =		4.71m ³
8x	2.5x	1.27x	0.175 =		4.49m ³
4x	2.52x	1.25x	0.175 =		2.22m ³
3x	2.10x	1.35x	0.175 =		1.48m ³
2x	3.7x	1.45x	0.175 =		1.87m ³
7x	3.2x	1.42x	0.175 =		5.56m ³
5x	2.27x	1.47x	0.175 =		2.30m³ 4.21m ³
2x	2.17x	1.5x	0.175 =		1.13m ³
Shiv 02/05/22 S.E			Sample =		64.13m ³ 59.93m ³
			2/05/22 AL		

Record Measurement:- 18.05.22

Date of Measurement:- 18.05.22

(1/4) Providing and laying w.B.M Gr-II

with stone materials do - - -

do - - - - - E/I.

5x 3.74x 1.32x 0.075 = 1.85m³4x 2.95x 1.30x 0.075 = 1.15m³5x 4.05x 1.95x 0.075 = 2.96m³7x 4.0x 1.50x 0.075 = 3.15m³9x 3.7x 1.35x 0.075 = 3.37m³6x 3.55x 1.32x 0.075 = 2.10m³8x 2.52x 1.45x 0.075 = 2.19m³4x 3.5x 1.25x 0.075 = 1.31m³= 18.08m³

Continuation

B.P 18.08m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3x	3.70	1.30	0.0	75 =	1.08m ²
5x	3.90	2.52	0.0	75 =	5.218m³ 4.09m ²
6x	4.07	1.90	0.0	75 =	3.47m ²
8x	3.75	2.20	0.0	75 =	4.95m ²
4x	3.25	2.10	0.07	5 =	2.04m ²
5x	3.77	2.50	0.0	75 =	3.53m ²
7x	2.55	1.50	0.07	5 =	2.0m ²
3x	2.97	1.97	0.07	52	1.31m ²
6x	3.72	1.45	0.07	5 =	2.42m ³
3x	3.50	1.40	0.07	52	1.10m ²
4x	2.90	1.32	0.0	752	1.14m ³
2x	2.55	1.5	0.0	752	0.57m ²
5x	2.10	1.42	0.0	752	1.11m ³
7x	3.05	2.27	0.07	5 =	3.67m ²
4x	3.95	1.24	0.07	52	1.46m ³
5x	4.05	2.51	0.0	752	3.81m ³
					= 55.28m ³
Shiv					
18/05/22					
J.E					
Skeemal					
18/05/22					
AE					
Record Measurement? - 22.05.22					
Date of Measurement? - 22.05.22					
(1/5) Providing and laying w.B.M					
Gr-III with stone material do -					
- - - do - - - - - E/I.					
5x	4.07	1.97	0.07	5 =	3.0m ³
8x	4.0	1.52	0.07	5 =	3.64m ³
					= 6.64m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9x	3.75	1.35	0.075	=	3.41m ² ✓
6x	3.55	1.32	0.075	=	2.10m ² ✓
8x	2.55	1.47	0.075	=	2.24m ² ✓
4x	3.25	1.55	0.075	=	1.51m ² ✓
5x	3.75	2.15	0.075	=	3.02m ² ✓
7x	3.27	2.24	0.075	=	3.77m ² ✓
6x	2.55	1.45	0.075	=	1.66m ² ✓
4x	3.15	1.32	0.075	=	1.24m ² ✓
3x	2.57	1.95	0.075	=	7.70m² ^{1.12m²} ✓
9x	4.15	2.75	0.075	=	7.70m ² ✓
8x	4.27	2.22	0.075	=	5.68m ² ✓
6x	3.85	2.45	0.075	=	4.24m ² ✓
7x	4.07	2.15	0.075	=	4.59m ² ✓
4x	3.74	2.07	0.075	=	2.32m ² ✓
3x	2.85	1.97	0.075	=	1.26m ² ✓
6x	4.07	2.17	0.075	=	3.97m ² ✓
5x	4.32	2.52	0.075	=	4.08m ² ✓
9x	4.07	2.35	0.075	=	6.45m ² ✓
7x	4.09	2.27	0.075	=	4.87m ² ✓
8x	4.25	2.15	0.075	=	5.48m ² ✓
6x	4.06	2.17	0.075	=	3.96m ² ✓
5x	3.77	2.20	0.075	=	3.11m ² ✓
4x	3.70	2.32	0.075	=	2.57m ² ✓
8x	4.02	2.05	0.075	=	4.94m ² ✓
5x	3.75	1.32	0.075	=	1.85m ² ✓
				=	93.78m ² ✓

Shiv
22/05/22
J.E

Skenn
22.05.22
AT

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement:-					
Date of Measurement:-					
(1/6) providing and applying primer-coat.					
as per specification. do -					
do -			G.I.		
15x	3.90	x 1.95	=		114.07m ²
25x	3.50	x 1.85	=		161.87m ²
9x	3.80	x 1.75	=		59.85m ²
8x	2.9x	1.50	=		34.8m ²
17x	2.5x	1.30	=		55.25m ²
22x	3.2x	1.65	=		116.16m ²
7x	2.7x	1.95	=		36.85m ²
6x	2.55	x 1.45	=		22.18m ²
4x	3.75	x 1.27	=		19.05m ²
10x	3.72	x 1.55	=		57.66m ²
12x	3.65	x 1.45	=		63.51m ²
15x	3.74	x 1.50	=		84.15m ²
19x	2.95	x 1.22	=		68.38m ²
24x	3.05	x 1.42	=		103.94m ²
8x	3.25	x 1.37	=		35.62m ²
7x	3.07	x 1.47	=		31.59m ²
9x	3.28	x 1.84	=		54.31m ²
17x	3.75	x 1.54	=		98.17m ²
4x	2.75	x 1.75	=		19.25m ²
			=	123	6.82m ²
Qty = Qty vide TMB P.N. (3 to 5)					93.78m ²
					0.075

$$= 1250.40m^2$$

$$\text{Limit} = 1236.82m^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/7) Providing and applying tack-coat					
do - - - do - - -				E/I.	
Qty. vide TMB P.N. - (05)					
item No - (1/6) = 1236.82m ² /					
gnp.c.c Area:-					
122 x 2.50m x 1.0 = 305m ² /					
					= 1541.82m ² /
(3/8) Patch work over worn using					
Mix-seal-surface with waste					
plastic for bituminous surface.					
as per specification. do -					
do - - -					
- - - - -				E/I.	
Qty. vide TMB P.N. - (06)					
item No - (2/7) 1541.82m ² /					
(4/9) Providing and applying					
tack-coat do - - - do -					
- - - - -				E/I.	
Start point:-					
5m x $\frac{7.50m + 6.50m}{2}$ = 35m ² /					
5m x $\frac{6.50m + 3.75m}{2}$ = 25.62m ² /					
2 x 30m x 3.75 = 225m ² /					
3 x 30m x 3.75 = 337.5m ² /					
4 x 30m x 3.75 = 450m ² /					
5 x 30m x 3.75 = 562.5m ² /					
6 x 30m x 3.75 = 675m ² /					
7 x 30m x 3.75 = 787.5m ² /					
					= 3098.12m ² /

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8x 30m x 3.75 =					900m ²
9x 30m x 3.75 =					1012.5m ²
10x 30m x 3.75 =					1125m ²
7x 30m x 3.75 =					787.5m ²
4x 30m x 3.75 =					450m ²
8x 30m x 3.75 =					900m ²
4x 30m x 3.75 =					450m ²
5x 30m x 3.75 =					562.5m ²
5x 30m x 3.75 =					562.5m ²
3x 30m x 3.75 =					337.5m ²
8x 30m x 3.75 =					900m ²
6x 30m x 3.75 =					675m ²
9x 30m x 3.75 =					1012.5m ²
3x 30m x 3.75 =					337.5m ²
1x 20m x 3.75 =					75m ²
<u>End point 1 -</u>					
7m x $\frac{6.50m + 5.75m}{2}$ =					42.87m ²
3m x $\frac{5.75m + 3.75m}{2}$ =					14.25m ²
					= 13242.74m ²
Add 2% extra curve					= 264.85m ²
					= 13510.59m²
					13507.605
					limit = 13387.50m ²
(5/10) Semi-Dense Bituminious concrete.					
SDBC qty =	13387.50m ²	x	0.025		
	=	334.687m ³			
(6/12) (ii) K.m stone.					
	1x	5 =	5 Nos.		

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/13) (ii) 20cm stone.	1x19 =	14 Nos.			
(8/15) Retro-reflect oridd Traffic signs.					
(9/16) 600mm discular.	1x 6 =	6 Nos.			
(10/17) 600mm x 450mm rectangular.	1x 4 =	4 Nos.			
(11/18) Boundary pillar. / Guard Post.	1x 77 =	77 Nos.			
(12/21) Road Marking with hot applied thermoplastic					
Compound. do - - do.					
E/I.					
2x 3510mm x 0.10 =	702m ²				
(13/22) Providing and fixing 'Logo' of MGSy Informatory sign					
Board.					
1x 4 =	4 Nos.				
(14/23) Brick masonry work in Cement mortar (1:3) in parapet.					
2x 6.0m x 0.40 x 0.60 =	2.88m ³				
as for same 8 Nos Culvert.	2.88m ³ x 8 Nos =	23.04m ³			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{15}{24}$ plastering with cement mortar (1:1.9) on brick work in sub-structure					
side face:-					
$4.0 \times 6.0 \times 0.60 =$					14.40 m^2
Top:-					
$2 \times 6.0 \times 0.40 =$					4.8 m^2
Front Face:-					
$4.0 \times 0.40 \times 0.60 =$					0.96 m^2
				$= 20.16 \text{ m}^2$	
as for same 8 Nos curvert					
$= 20.16 \text{ m}^2 \times 8 =$					161.28 m^2
$\frac{16}{25}$ painting two-coats new concrete surface.					
side face:-					
$4.0 \times 4.0 \times 0.60 =$					9.60 m^2
Top:-					
$2 \times 4.0 \times 6.0 =$					48.0 m^2
Front face:-					
$4.0 \times 0.40 \times 0.60 =$					0.96 m^2
				$= 58.56 \text{ m}^2$	
as for same 2 Nos curvert					
$58.56 \text{ m}^2 \times 2 =$					117.12 m^2
$\frac{17}{2}$ Construction of sub-grade and earthen-shoulder with approved material obtained from borrow pits with lift. do - - - do - - - - - - - E/I.					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
L.H.S	Side	1-			
95x	1.125	x 0.	60 =		64.12 m ³
85x	1.02	x 0.	50 =		43.35 m ³
77x	1.0x	0.5	5 =		42.35 m ³
117x	0.60	x 0.	45 =		31.59 m ³
115x	0.55	x 0.	47 =		29.72 m ³
127x	0.58	x 0.	28 =		20.62 m ³
132x	0.55	x 0.	27 =		19.60 m ³
105x	0.54	x 0.	30 =		17.01 m ³
65x	0.60	x 0.	28 =		10.92 m ³
55x	0.58	x 0.	25 =		9.97 m ³
45x	0.52	x 0.	29 =		5.66 m ³
90x	1.60	x 0.3	0 =	2	16.2 m ³
88x	0.57	x 0.3	4 =		17.05 m ³
125x	0.52	x 0.3	1 =		20.15 m ³
132x	0.47	x 0.	29 =		17.99 m ³
105x	0.57	x 0.	30 =		17.95 m ³
202x	0.52	x 0.3	3 =		34.66 m ³
227x	0.48	x 0.2	8 =		30.50 m ³
109x	0.60	x 0.	25 =		16.35 m ³
107x	0.55	x 0.3	2 =		18.83 m ³
122x	0.54	x 0.	27 =		17.78 m ³
275x	0.55	x 0.	45 =		74.25 m ³ 37.81 m ³
307x	^{0.4} 0.5	0.29 = 0.	27 =		153.50 m ³ 33.15 m ³
265x	0.50	x 0.	30 =		143.10 m ³ 39.75 m ³
388x	0.55	x 0.	30 =	55.77	120.14 m ³ 123.03 m ³
3510			=		666.8 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
R.H.S	Side 1-				
97	$\times 1.1$	$25 \times$	0.60	$=$	$65.47 m^3$
87	$\times 1.0$	$\times 0.60$	$=$		$52.9 m^3$
79	$\times 0.55$	$\times 0.50$	$=$		$21.72 m^3$
119	$\times 0.60$	$\times 0.45$	$=$		$32.13 m^3$
117	$\times 0.60$	$\times 0.50$	$=$		$35.1 m^3$
129	$\times 0.58$	$\times 0.30$	$=$		$22.44 m^3$
107	$\times 0.54$	$\times 0.30$	$=$		$17.33 m^3$
67	$\times 0.60$	$\times 0.60$	$=$		$24.12 m^3$
57	$\times 0.58$	$\times 0.30$	$=$		$9.91 m^3$
47	$\times 0.52$	$\times 0.24$	$=$		$5.86 m^3$
92	$\times 0.60$	$\times 0.30$	$=$		$16.58 m^3$
94	$\times 0.57$	$\times 0.34$	$=$		$18.21 m^3$
127	$\times 0.52$	$\times 0.31$	$=$		$20.47 m^3$
135	$\times 0.47$	$\times 0.29$	$=$		$18.40 m^3$
109	$\times 0.57$	$\times 0.30$	$=$		18.67 m³ $32.87 m^3$
205	$\times 0.52$	$\times 0.33$	$=$		$35.17 m^3$
228	$\times 0.48$	$\times 0.28$	$=$		$30.64 m^3$
111	$\times 0.60$	$\times 0.25$	$=$		$16.65 m^3$
101	$\times 0.60$	$\times 0.30$	$=$		$18.18 m^3$
92	$\times 0.58$	$\times 0.32$	$=$		$17.07 m^3$
125	$\times 0.40$	$\times 0.30$	$=$		22.5 m³ $15 m^3$
209	$\times 0.30$	$\times 0.25$	$=$		75.24 m³ $15.67 m^3$
277	$\times 0.32$	$\times 0.30$	$=$		124.65 m³ $43.21 m^3$
255	$\times 0.30$	$\times 0.22$	$=$		71.4 m³ $16.83 m^3$
237	$\times 0.28$	$\times 0.22$	$=$		42.66 m³ $14.59 m^3$

Continuation

Continuation

Continuation

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

③ providing and laying G.S.B

with stone materials - do - -

do - - - - - E/I.

Qty. vide TMB P. N. - (01+02)

item No. - ③

59.73 m³
64.13 m³1,32,140⁰⁰@ 2204.90/m³B 1,11,400⁰⁰

④ providing and laying w.B.M

Gr-II with stone materials.

do - - - - - do - - - - - E/I.

Qty. vide TMB P. N. - (02+03)

item No. - ④

55.28 m³2,19,959⁰⁰@ 3999.26/m³B 2,20,879⁰⁰

⑤ providing and laying w.B.M

Gr-III with stone materials.

do - - - - - do - - - - - E/I.

Qty. vide TMB P. N. - (03+04)

item No. - ⑤

93.78 m³@ 3686.75/m³B 3,45,743⁰⁰

⑥ providing and applying primer

Coat do - - - - - do - - - - - E/I.

Qty. vide TMB P. N. - ⑤

item No. - ⑥

1236.82 m²@ 41.43/m²B 51,241⁰⁰

⑦ Plv and applying tack-coat.

Qty. vide TMB P. N. - ⑥

item No. - ⑦

1541.82 m²@ 14.05/m²B 21,663⁰⁰

C.O. RS 2,10,45,858200

10,35,932⁰⁰

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ patch work over WBM using Mix Seal surface with waste plastic. do - - -					
do - - - E/I.					
Qty. vide TMB P.N. — (66)					
item No. — (68)		1541.82m ²			
@ 208.66/m ²				R	3,21,716.00
⑨ providing and applying tack-coat do - - - do					
- - - E/I.					
Qty. vide TMB P.N. — (66+67)					
item No. — (69)		13387.50m ²			
@ 11.78/m ²				R	1,57,705.00
⑩ semi-Dense Bituminous concrete as per drawing and specification. do -					
do - - - E/I.					
Qty. vide TMB P.N. — (67)					
item No. — (10)		334.687m ³			
@ 10456.31/m ³				R	34,99,591.00
⑪(ii) K.m stone.					
Qty. vide TMB P.N. — (67)					
item No. — (11(ii) 5.0 Nos					
@ 2487.05/each				R	12435.00
					RS 50,37,305.200
					50,87,1379.00

C. Rs 50,37,305.200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) (ii) 200mm Stone.					
Qty. vide TMB P.N. — (08)					
item No. — (12) (ii) 17 Nos					
@ 663.72/each —				P	3292200
(13) Retro-reflectorised Traffic signs.					
Qty. vide TMB P.N. — (08)					
item No. — (15) 6.0 Nos					
@ 3749.43/each —				P	2249720
(14) 600mm circular					
Qty. vide TMB P.N. — (08)					
item No. — (14) 4 Nos					
@ 3848.78/each —				P	15395700
(15) 600mm x 450mm rectangular.					
Qty. vide TMB P.N. — (08)					
item No. — (15) 4.0 Nos					
@ 3719.66/each —				P	1487900
(16) Boundary pillar/Guard post.					
Qty. vide TMB P.N. — (08)					
item No. — (16) 77 Nos					
@ 519.95/each —				P	4003500
(17) Road marking with hot applied thermoplastic compound.					
Qty. vide TMB P.N. — (08)					
item No. — (21) 702 m ²					
@ 735.40/m ² —				P	5,16,2517

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18/22) Providing and fixing 'Logo' of typical masonry infomatory sign Board.					
Qty. vide TMB P.N. — (08)					
item N. — (22) 4.0 Nos					
@ 9527.19/each —				B	38109.200
(19/23) Brick masonry work in cement mortar (1:3) in parapet					
Qty. vide TMB P.N. — (08)					
item N. — (23) 23.04 m ³					
@ 5266.93/m ³ —				R,	1,21,350.200
(20/24) Plastering with cement mortar (1:4) on brick work.					
Qty. vide TMB P.N. — (09)					
item N. — (24) 161.28 m ²					
@ 196.69/m ² —				B,	31722.200
(21/25) painting two-coats on new concrete surface.					
Qty. vide TMB P.N. — (09)					
item N. — (25) 117.12 m ²					
@ 95.63/m ² —				P,	11200.700
RS = 58,48,113.00 RS = 58,58,040.00 3,45,623.00					
Less for 5.91% below (-) RS = 23,46,210.00					
RS = 55,02,490.00 RS = 55,11,830.00					
Add 1% Labour cent (+) RS = 55,025.00					
Add 12% GST — (+) RS = 6,61,420.200					
RS = 62,28,368.200 62,17,814.00					

Shiv
10/06/22
J.E

Continuation

Skumar
10/6/22
ME

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material-Statement</u>					
① Earth work 1-1302.32m ³					
@ 23.78m ³ —————					Rs 30,969.20
② Stone metal-26.5mm to 9.5mm:-					
22.495m ³ @ 550.85 —————					Rs 12,369.20
Stone metal-9.5mm to 2.36mm:-					
16.032m ³ @ 411.33 —————					Rs 6594.20
Local-sand:-					
25.652m ³ @ 116.85 —————					Rs 2997.20
③ Stone metal-63mm to 45mm:-					
67.012m ³ @ 427.69 —————					Rs 28660.20
Moozam/Gravel:-					
16.200m ³ @ 345.52 —————					Rs 5597.20
④ Stone metal-53mm to 22.4mm:-					
113.786m ³ @ 458.22 —————					Rs 52139.20
Stone screening:-					
22.507m ³ @ 345.52 —————					Rs 7777.20
⑤ Emulsion SS-1:-				1.051 MT	
⑥ Emulsion RS-1:-				4.027 MT	
⑦ Bitumen Sgo:-				41.551 MT	
⑧ Stone chips-9.5mm to 4.75mm:-					
278.857m ³ @ 528.94 —————					Rs 1,47,499.20
Stone chips-4.75mm below:-					
200.581m ³ @ 200.45 —————					Rs 40206.20
Filler:-					
9.784m ³ @ 3555.38 —————					Rs 34,786.20
⑨ Stone aggregate:-					
91.629m ³ @ 470.0 —————					Rs 19566.20
Work has been completed as per specification.					Rs = 3,89,154.20
Shiv 10/06/22 J.B Skemaal 10/6/22					

Allotment Received Vide Ltr No. ^{Ar} 22 dt 01
08.08.2022 of Rs 63,04,100.20

Continuation

Memorandum of Bill Payment

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① S.D. @ 8% —				4,97,425=	00
② J.T. @ 1% —				62,178=	00
③ C.S.T. @ 1% —				62,178=	00
④ S.S.T. @ 1% —				62,178=	00
⑤ L.C. @ 1% —				62,178=	00
⑥ S.F. @ 10% —				54,919=	00
⑦ Royalty —				1,59,105=	00
Total Deduct :-				9,60,241=	00
By C.F.M.S. :-				52,57,573=	00
Total Bill Amount :-				62,17,814=	00
Passed for Rs 62,17,814=00 (Rs Sixty two lakhs seventeen thousand Eight hundred fourteen only.					
K. K. K. K. 13.08.2022					
Executive Engineer R. W. D. Works Division Belsand					
13/8/22					

Continuation