

N/R - Tunki Se Bihari

Schedule XLY

Form No. 134.

Maharaj Entkspk 2221

HATIPUR

DIVISION

SUB-DIVISION

Bhagwanpau

Measurement Book

MB No - 3151

1st on A/c & 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.	
Name of Work—	Tuzki & Bihari				
Agency—	Minal Enterprises,				
	At—Timpulua chok,				
	Batraul, Jalgari, Vaishali				
Agreement No. —	01/2024-25 dated				
					31/8/24
Rate Approved—	22.69% Below				
Date of commencement—	03/08/24				
Date of completion—	21/4/2025				
Actual date of completion—	27/09/24				
<u>Work Done</u>					
① Hem clearing & grubbing					
Road land. —					
	2x10x30.0x1.00	= 600.0 m ²			
	2x10x30.0x1.00	= 600.0 m ²			
	2x3x30.0x1.00	= 180.0 m ²			
	2x1x10.0x1.00	= 20.0 m ²			
		1400.00 m ²			
	∴ 1 Hect = 1400.00 m ² / 10,000 = 0.14 Hect.				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Item	const. of 515 Ag-II				
	by providing well				
	graded material				
1x4x	1.40	x0.150	=	0.84m ³	
1x4.0x	1.10	x0.150	=	0.66	
1x3.0x	1.00	x0.150	=	0.45	
1x5.0x	1.20	x0.150	=	0.90	
1x3.0x	1.00	x0.150	=	0.45	
1x4.0x	0.90	x0.150	=	0.54	
1x5.0x	1.10	x0.150	=	0.83	
1x2.0x	1.20	x0.150	=	0.36	
1x3.0x	1.30	x0.150	=	0.58	
1x4.0x	1.10	x0.150	=	0.66	
1x2.00x	1.30	x0.150	=	0.39	
1x	5.0	x1.20	x0.150	= 0.90	
1x	4.0	x1.20	x0.150	= 0.72	
1x	3.0	x1.00	x0.150	= 0.45	
1x	4.0	x1.40	x0.150	= 0.84	
1x	5.0	x1.0	x0.150	= 0.75	
1x	4.0	x1.20	x0.150	= 0.72	
1x	4.0	x1.00	x0.150	= 0.60	
				= 11.64m ³	
Item (3)	Providing, laying,				
	spreading and				
	Compacting Stone				
	Aggregate of				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
WBM grade-II					
1x	4.00	1.50	x 0.075	=	0.45 m ³
1x	4.0	1.20	x 0.075	=	0.36 m ³
1x	3.0	1.10	x 0.075	=	0.25 m ³
1x	5.0	1.30	x 0.075	=	0.49 m ³
1x	3.0	1.10	x 0.075	=	0.25 m ³
1x	4.0	1.00	x 0.075	=	0.30 m ³
1x	5.0	1.20	x 0.075	=	0.45 m ³
1x	2.0	1.30	x 0.075	=	0.20 m ³
1x	3.0	1.40	x 0.075	=	0.32 m ³
1x	4.0	1.20	x 0.075	=	0.36 m ³
1x	2.0	1.40	x 0.075	=	0.21 m ³
1x	5.0	1.30	x 0.075	=	0.49 m ³
1x	4.0	1.30	x 0.075	=	0.39 m ³
1x	3.0	1.10	x 0.075	=	0.25 m ³
1x	4.0	1.50	x 0.075	=	0.45 m ³
1x	5.0	1.10	x 0.075	=	0.41 m ³
1x	4.0	1.30	x 0.075	=	0.39 m ³
1x	4.0	1.10	x 0.075	=	0.33 m ³
1x	8.0	1.00	x 0.075	=	0.60 m ³
1x	9.0	0.50	x 0.075	=	0.74 m ³
1x	9.0	0.50	x 0.075	=	0.34 m ³
1x	8.0	0.70	x 0.075	=	0.42 m ³
1x	8.0	1.10	x 0.075	=	0.66 m ³
1x	4.0	0.50	x 0.075	=	0.15 m ³
1x	3.0	0.70	x 0.075	=	0.16 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x	5.0x	0.90x	0.075=		0.34 m ³
1x	9.0x	0.70x	0.075=		0.47 m ³
1x	8.0x	0.90x	0.075=		0.54 m ³
1x	7.0x	1.00x	0.075=		0.53 m ³
1x	9.0x	1.40x	0.075=		0.95 m ³
					12.22 m ³
Item (4) Providing, laying Spreading and compacting of stone Aggregate of W.B.M. as per B →					
1x	4.0x	1.50x	0.075=		0.45 m ³
1x	4.0x	1.20x	0.075=		0.36 m ³
1x	3.0x	1.10x	0.075=		0.25 m ³
1x	5.0x	1.30x	0.075=		0.49 m ³
1x	3.0x	1.10x	0.075=		0.25 m ³
1x	4.0x	1.00x	0.075=		0.30 m ³
1x	5.0x	1.20x	0.075=		0.45 m ³
1x	2.0x	1.30x	0.075=		0.20 m ³
1x	3.0x	1.40x	0.075=		0.32 m ³
1x	4.0x	1.20x	0.075=		0.36 m ³
1x	2.0x	1.40x	0.075=		0.21 m ³
1x	5.0x	1.30x	0.075=		0.49 m ³
1x	4.0x	1.30x	0.075=		0.39 m ³
1x	3.0x	1.10x	0.075=		0.25 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 4x1.50x0.075 =					0.45 m ³
1x 5.0x1.10x0.075 =					0.41 m ³
1x 4.0x1.30x0.075 =					0.39 m ³
1x 4.0x1.10x0.075 =					0.33 m ³
1x 8.0x1.00x0.075 =					0.60 m ³
1x 9.0x1.10x0.075 =					0.74 m ³
1x 9.0x0.50x0.075 =					0.34 m ³
1x 8.0x0.70x0.075 =					0.42 m ³
1x 8.0x1.10x0.075 =					0.66 m ³
1x 4.0x0.50x0.075 =					0.15 m ³
1x 3.0x0.70x0.075 =					0.16 m ³
1x 5.0x0.90x0.075 =					0.34 m ³
1x 9.0x0.70x0.075 =					0.47 m ³
1x 8.0x0.90x0.075 =					0.54 m ³
1x 7.0x1.00x0.075 =					0.53 m ³
1x 9.0x1.40x0.075 =					0.95 m ³
1x 5.0x1.30x0.075 =					0.49 m ³
1x 6.0x0.90x0.075 =					0.41 m ³
1x 5.0x1.00x0.075 =					0.38 m ³
1x 6.0x1.30x0.075 =					0.59 m ³
1x 5.0x1.40x0.075 =					0.53 m ³
1x 8.0x1.60x0.075 =					0.96 m ³
1x 4.0x1.50x0.075 =					0.45 m ³
1x 9.0x0.80x0.075 =					0.54 m ³
1x 8.0x1.20x0.075 =					0.72 m ³
					17.27 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (5) Providing & Applying Primer coat with Bitumin emulsion (RS-1) — Area same as above					
Item (4) —					
					$= 17.27 \text{ m}^3 / 0.075 = 230.27 \text{ m}^2$
Item (6) prov. & Applying tack coat with Bitumin emulsion					
(RS-1) — do —					
1x $11.0 \times 4.40 + 4.00 + 3.75$					$= 44.55 \text{ m}^2$
6x 30.0×3.75					$= 675.0 \text{ m}^2$
1x 10.0×3.75					$= 37.50 \text{ m}^2$
1x $15.0 \times 3.75 + 4.60 + 6.70$					$= 73.31 \text{ m}^2$
10x 30.0×3.75					$= 1125.0 \text{ m}^2$
5x 30.0×3.75					$= 562.50 \text{ m}^2$
1x 16.0×3.75					$= 60.0 \text{ m}^2$
1x $18.0 \times 4.50 + 4.0 + 3.75$					$= 73.50 \text{ m}^2$
					2651.36 m^2
					Limited to 2651.25 m^2

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item 7 Providing & laying SDBC with 100-120 TPH batch type 4 MP					
Area same vide Item					
No. (6) =	2651.25				$\frac{2}{m} = 66.28 \frac{2}{m}$
Qty =	2651.25				$\times 0.025 = 66.28 \frac{2}{m}$
Item 8					
Item 8 Const. of Subgrade & earthen shoulder with approved material					
For CC Road —					
	2	9	30.0	0.625	$\times 0.150 = 50.63 \frac{3}{m}$
For BT Road —					
	2	10	30.0	1.125	$\times 0.300 = 202.50 \frac{3}{m}$
	2	4	30.0	1.125	$\times 0.300 = 81.0 \frac{3}{m}$
	2	1	10.0	1.125	$\times 0.30 = 6.75 \frac{3}{m}$
					340.88 $\frac{3}{m}$
Sabitla 25/09/24 JE					
Ypuyi 25/09/2024 NE					
Item 9 Rcc M-15 grade					
Km Stone — do —					
(i) Km Stone —					2.0 Nos.
(ii) 200 m Stone —					3.0 Nos.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material statement</u>					
(i) Earth	=				340.88m ³
(ii) Agg. 26.5 to 9.5 mm	=				5.215m ³
(iii) Agg. 9.5 mm to 2.36 mm	=				3.725m ³
(iv) Agg. 2.36 mm below	=				5.96 m ³
(v) Agg. 63 to 45 mm	=				14.768m ³
(vi) Agg. 53 to 22.4 mm	=				20.897m ³
(vii) Stone Screening	=				7.408 m ³
(viii) Binding material	=				0.978m ³
(ix) Agg. 9.5 to 4.75 mm	=				55.215m ³
(x) Agg. 4.75 to Below	=				39.704m ³
(xi) Emulsion (SS)	=				0.196 MT
(xii) Emulsion (PS)	=				0.597 MT
(xiii) Bitumin (S-65)	=				7.29 MT
Sabita 27/9/24 JE					R01 - SE 11249 23081 34330 - 11957
<u>Seigniorage fee (10%)</u>					
(i) Earth	=				340.88m ³
10% of Rs. 35.25/m ³ = Rs. 1202 = 00					
(ii) W.B gr-2	=				11.64m ³
10% of Rs. 615.556/m ³ = Rs. 717 = 00					
(iii) W.B m gr-3	=				12.28m ³
10% of Rs. 1328.32/m ³ = Rs. 1623 = 00					
(iv) W.B m gr-3	=				17.27m ³
10% of Rs. 1434.24/m ³ = Rs. 2477 =					
(v) S.D.B.C	=				66.284m ³
10% of Rs. 753.465/m ³ = Rs. 4994 =					

Continuation

Rs. 14,013 = 00
 Sabita
 27/9/24
 JE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Abstract of Cost clearing & grubbing Road Land —					
0.14 Hect. vide TMB Pg (1)					
@ Rs 76,926.08/Hect. = Rs 10,770.00					
(2) Const. of subgrade & earthen shoulder —					
340.88 m ³ vide TMB Pg (7)					
@ Rs 262.82/m ³ = Rs 89,598.00					
(3) Const. of GSB cur-2 by providing well graded material —					
11.64 m ³ vide TMB Pg (2)					
@ Rs 29,06.98/m ³ = Rs 33,837.00					
(4) Provi. & laying stone Aggregate of WBM gr-2 —					
12.22 m ³ vide TMB Pg (4)					
@ Rs 57,73.07/m ³ = Rs 70,547.00					
(5) Provi. & laying of WBM gr-3 —					
17.87 m ³ vide TMB Pg (5)					
@ Rs 54,40.13/m ³ = Rs 93,951.00					
(6) Provi. & Applying primer coat with Bituminous emulsion					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(55-1) on prepared surface —					
230.27 m ² vide TMB Pg (6)					
@ Rs. 56.82/m ² = Rs. 13,084.50					
(7) Providing & Applying tack coat with Bitumin emulsion					
(RS) on —					
2651.25 m ² vide TMB Pg (6)					
@ Rs. 16.00/m ² = Rs. 42,420.00					
(8) Paving & Laying surface with 100 mm					
120 TPH batch type H.M.P. —					
66.284 m ³ vide TMB Pg (7)					
@ Rs. 14217.01/m ³ = Rs. 9,42,360.00					
(9) Providing RCC M-15 grade —					
(i) Km Stone —					
2.0 Nos. vide TMB Pg (7)					
@ Rs. 3136.85/each = Rs. 62,740.00					
(ii) 200 mm Stone —					
3.0 Nos. vide TMB Pg (7)					
@ Rs. 858.38/each = Rs. 2,575.14					
(10) Providing & erecting direction and					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Place Identification					
Retro					
1.92 m ² vide TMB Pg. (8)					
@ Rs. 15,332.18/m ² - Rs. 29,438.00					
(11) Providing & Fixing					
of Retro reflectorised					
information board					
(1) 600mm Equi. Triangle =					
7.0 Nos. vide TMB Pg. (8)					
@ Rs. 4621.05/each - Rs. 32347.35					
(II) 600mm circular					
4.0 Nos. vide TMB Pg. (8)					
@ Rs. 4490.58/each - Rs. 17,962.32					
(III) 600mm x 450mm Rect.					
2.0 Nos. vide TMB Pg. (8)					
@ Rs. 4344.61/each - Rs. 8689.22					
(iv) 900mm side octagon					
2.0 Nos. vide TMB Pg. (8)					
@ Rs. 8858.66/each - Rs. 17,717.32					
(12) Providing RCC m/s					
garage boundary					
Pillar					
16.0 Nos. vide TMB Pg. (8)					
@ Rs. 815.29/each - Rs. 13,045.44					
					Rs. 14,24,609.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				RF-RS. 14, 94, 609=	
(13) Printing New letters & figures					
40.0 pch/Ht vide TMB Pg. 8					
@ RS. 0.77 pch/Ht					RS 31.00
(14) Planting of trees by the Road Side					
20.0 Nos vide TMB Pg. 9					
@ RS. 1305.10/Each					RS 26,100
(15) Providing & Laying of Hot Applied thermoplastic carbond					
140.0 m ² vide TMB Pg. 9					
@ RS. 886.50/m ²					RS 1,24,110=
(16) Providing & fixing of mmmsx information sign board					
3.0 Nos. vide TMB Pg. 9					
@ RS 14180.17/Each					RS 42,540=
					RS. 16,17,392=
Add 18% VST					RS. 2,91,131=
Add 1% L/C					RS. 16,174=
Add S.F as per agreement					RS. 11,957=
					RS. 19,36,654=
less 22.69% below as per agreement					RS. 4,39,427=
					RS. 14,97,227=
Say RS. 14,97,227=					

Sabit
27/09/24
JE

Continuation
27/09/24
AC

Limit As per Allotment
14,65,000=

Re 14,65,500 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1st AC Bill	→	14,65,000	=	00	
S.D 5%	→	73,250	=	00	
I.T 2%	→	29,300	=	00	
L.C 1%	→	14,650	=	00	
CGST 1%	→	14,650	=	00	1,92,787
SGST 1%	→	14,650	=	00	
Roy	→	34,330	=	00	
S.F	→	11,957	=	00	
by CFMS Amount	→	12,72,213	=	00	
Total	→	14,65,000	=	00	
Passed for Rs	14,65,000	=	Fourteen		
lac sixty five thousand only					
Pay by CFMS	→	12,72,213	=	00	

Twelve lac seventy two thousand two hundred thirteen only.

Executive Engineer
R.W.B. Works Division
Hajipur

Ref: 2024/022 14664

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd con A/c & Final Bill					
Name of work - Turki se Pihazi					
Agency - Sri Minnal Enterprises					
Agreement No - 01/2024-25 dated 3/8/24					
Rate Approved - 22.69% Below					
Actual date of completion - 27/09/24					
measurement $\leftarrow$ Nil $\rightarrow$					

Abstract of cost -					
(1) clearing & grubbing					
Road land -					
0.14 Hect. Vide TMB Pg (11)					
@ Rs 7692608/Hec - Rs 10,770 =					
(2) Const. of subgrade					
& earthen shoulder -					
340.88 m ³ vide TMB Pg (11)					
@ Rs 262.83/m ³ - Rs 89593 =					
(3) Const. of CRSB grade -					
11.64 m ³ vide TMB Pg (11)					
@ Rs. 2906.98/m ³ - Rs 33837 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④	Providing stone				
	Aggregate of WBM				
	gr-2				
	12.22 m ³ vide TMB Pg. (11)				
	@ Rs. 5773.07/m ³ - Rs. 70,547=				
⑤	Providing & laying				
	of WBM gr-3				
	17.27 m ³ vide TMB Pg. (11)				
	@ Rs. 5440.13/m ³ - Rs. 93,951=				
⑥	Providing & Applying				
	primer Coat				
	230.27 m ² vide TMB Pg. (12)				
	@ Rs. 56.82/m ² - Rs. 13,084=00				
⑦	Providing & Applying				
	tuck Coat				
	2651.9 m ² vide TMB Pg. (12)				
	@ Rs. 16.00/m ² - Rs. 42,420=00				
⑧	Providing & laying				
	SDBC with 100-120				
	66.284 m ³ vide TMB Pg. (12)				
	@ Rs. 14217.01/m ³ - Rs. 9,42,360=				
⑨	Providing RCM-15				
	grade				
(1)	Km Stone				
	2.0 Nos. vide TMB Pg. (12)				
	@ Rs. 3136.87/each - Rs. 62,74=				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) 200 m Stone -					
3.0 Nos. vide TMB Pg. (12)					
@ Rs. 858.38/each =					Rs. 2575=-
(10) Providing & erecting					
direction & place					
identification -					
1.92 m ² vide TMB Pg. (13)					
@ Rs. 15,332.18/m ² =					Rs. 29,438
(11) Providing & fixing					
of Retro Reflectors					
information board -					
(i) 600mm equi triangles -					
7.0 Nos vide TMB Pg. (3)					
@ Rs. 4621.05/each =					Rs. 32,347=-
(ii) 600mm circular -					
4.0 Nos vide TMB Pg. (13)					
@ Rs. 4490.58/each =					Rs. 17,962=-
(iii) 600mm x 450mm					
Rectangular -					
2.0 Nos vide TMB Pg. (13)					
@ Rs. 4344.61/each =					Rs. 8689=-
(iv) 300mm side octagon -					
2.0 Nos vide TMB Pg. (13)					
@ Rs. 8858.66/each =					Rs. 17,717=-
(12) Providing Boundary Pillar -					
16.0 Nos vide TMB Pg. (13)					
@ Rs. 815.29/each =					Rs. 13,045=-
					Rs. 14,24,609=-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF = Rs. 14	24,609 = 00
(13) Printing Name letter → figures —					
40.0 pppm/Ht vide TMB Pg. (14)				@ Rs. 277 pppm/Ht	Rs. 31 = 00
(14) Planting of trees by the Road side —					
20.0 Nos. vide TMB Pg. (14)				@ Rs. 1305.10/each	Rs. 26,102 =
(15) Providing & Laying of Hot Applied thermo plastic containing					
140.0 m ² vide TMB Pg. (14)				@ Rs. 886.50/m ²	Rs. 1,24,110 = 00
(16) Providing & Fixing of mmbsr information sign board —					
3.0 Nos vide TMB Pg. (14)				@ Rs. 14180.17/each	Rs. 42,540 =
					Rs. 16,17,392 = 00
Add 18% GST —				(+) Rs. 2,91,131 = 00	
Add 1% L/C —				(+) Rs. 16,174 = 00	
Add S.F. —				(+) Rs. 11,957 = 00	
					Rs. 19,36,654 = 00
Wtd 22.69%, Below —				(-) Rs. 4,39,427 = 00	
as Per agreement					Rs. 14,97,227 = 00

C.O of Rs. 14,97,227 = 00

Continuation

