

Office MR-3054 ग/अ ग/अ ग/अ Paikasa No. MR-N/2019-
28 Belband/09, एरवार PWD Road व/ अ ग/अ (REG
251)
(Agreement No. 62 MRB/2020-21)

Measurement Book

Schedule XLY-Form No. 134

Block - Parbandi

Executive Engineer
PWD Works Division
Belband

DIVISION

SUB-DIVISION

M/S R.S. Construction.

(360)

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	on A/c Bill			
Name of work:-	Construction of Road				
from Gharwara PWD Road To Benipur					
REC Road.					
Agency:-	M/B	R.S. Construction			
Agreement No:-	62M	BD/2020-2021			
Package No:-	MR-N/2019-2020	Bel Sand/o			
Under M/R Scheme.					
Date of Start:-	21.07.2020				
Date of completion:-	20.07.2021				
①	clearing and grubbing Road Land.				
	Record Measurement:- 24.02.21				
	Date of Measurement:- 24.02.21				
①	clearing and grubbing Road Land.				
do - - - - -	do - - - - -	E/I.			
2x	2789m	$\times 1.0 = 5578m^2$			
		$= 0.557 \text{ Hect}$			
②	P/V and laying G.S.B with stone				
materials.	do - - - - -	do - - - - - E/I.			
27x	2.55	$\times 1.35$	$\times 0.175 = 16.27m^3$		
38x	3.24	$\times 1.52$	$\times 0.175 = 32.75m^3$		
42x	3.25	$\times 1.27$	$\times 0.175 = 30.33m^3$		
22x	2.55	$\times 1.38$	$\times 0.175 = 13.54m^3$		
			$= 92.89m^3$		

Shiv
24/02/21
J.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement :-	27	03	21		
Date of Measurement :-	27	03	21		
(1/4) Providing and laying w. B.M Gr-II with Stone materials. do - - - - - E/I.					
52x	3.5x	2.12x	0.075	= 28.93m ³	/
65x	4.05x	1.35x	0.075	= 26.65m ³	/
97x	2.55x	1.29x	0.075	= 11.19m ³	/
34x	2.2x	1.31x	0.075	= 7.34m ³	/
				= 74.06m ³	/
Shiv					
27/03/21					
J.E					

Record Measurement :-	29	04	21		
Date of Measurement :-	29	04	21		
(1/5) Providing and laying w. B.M Gr-III with Stone materials. do - - - - -					
do - - - - - E/I.					
72x	4.05x	2.25x	0.075	= 49.20m ³	/
85x	3.75x	1.95x	0.075	= 46.61m ³	/
52x	3.8x	2.12x	0.075	= 31.41m ³	/
				= 127.22m ³	/
Shiv					
29/04/21					
J.E					
Record Measurement :-	31	05	21		
Date of Measurement :-	31	05	21		
(1/6) Providing and applying tack-coat. do - - - - - do - - - - - E/I					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
45 x 3.90 x 1.9			= 333.45	m ²	✓
57 x 2.5 x 1.7			= 242.25	m ²	✓
72 x 2.45 x 1.52			= 268.12	m ²	✓
88 x 3.75 x 1.82			= 600.6	m ²	✓
48 x 3.0 x 1.75			= 252.0	m ²	✓
			= 1696.42	m ²	✓
(2/7) P/V and applying tack-coat. do--					
do-- E/I.					
45 x 3.90 x 1.9			= 333.45	m ²	✓
57 x 2.5 x 1.7			= 242.25	m ²	✓
72 x 2.45 x 1.52			= 268.12	m ²	✓
88 x 3.75 x 1.82			= 600.6	m ²	✓
48 x 3.0 x 1.75			= 252.0	m ²	✓
gn p.c.c part :-					
3.0 x 2.5 m x 1.0			= 7.50	m ²	✓
			= 1703.92	m ²	✓
(3/8) Patch work over WBM using Mit-					
seal-surface with waste plastic					
for bituminous surface. do--					
-- do-- E/I.					
45 x 3.9 x 1.9			= 333.45	m ²	✓
57 x 2.5 x 1.7			= 242.25	m ²	✓
72 x 2.45 x 1.52			= 268.12	m ²	✓
88 x 3.75 x 1.82			= 600.6	m ²	✓
48 x 3.0 x 1.75			= 252.0	m ²	✓
gn p.c.c part :-			= 1696.42	m ²	✓
3.0 x 2.5 m x 1.0			= 7.50	m ²	✓
			= 1703.92	m ²	✓

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(4/5) Plu and applying tack-coat.					
do - - - - -	do			E/I	
1x 7m x $\frac{12.5m + 5.70}{2} =$					63.70m ²
1x 3m x $\frac{5.70 + 3.75}{2} =$					14.17m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
10x 30m x 3.75 =					1125m ²
9x 30m x 3.75 =					1012.50m ²
1x 2m x 3.75 =					7.50m ²
<u>2682m</u>					<u>= 10,097.87m²</u>
(5/10) semi-Dense Bituminous					
Concrete - do - - - - -	do			E/I	
SDBC Qty = 10097.87m ² x 0.025					
					= 252.45m ³
(7/12) (ii) 1x 4 = 4 Nos.					
(8/21) Road marking with hot applied thermoplastic compound 2.5mm thick.					
do - - - - -	do				
E/I.					
2x 2682m x 0.10 =					536.4m ²
(9/22) Plu and fixing informatory sign-board.					
1x 2 = 2 Nos.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/23) Brick masonry work in cement mortar (113) in parapet					
2 x 6.0m x 0.40 x 0.60 = 2.88 m ³					
as for same 3 Nos culvert					
2.88 m ³ x 3 Nos = 8.64 m ³					
(11/24) plastering with cement mortar (124) on brick work in sub-structure.					
Side face:- 4.0 x 6.0 x 0.60 = 14.40 m ²					
Top:- 2.0 x 6.0 x 0.4 = 4.80 m ²					
Front face:- 4.0 x 0.40 x 0.60 = 0.960 m ²					
					58.560 m ²
					20.16 m ²
as for same 3 Nos culvert					
58.560 m² x 3 Nos = 175.68 m²					
20.16 m² x 3 Nos = 60.48 m²					
(12/25) painting Two coats on new concrete.					
Side face:- 4.0 x 4.0 x 0.60 = 9.60 m ²					
Top:- 2.0 x 4.0 x 6.0 = 48 m ²					
Front face:- 4.0 x 0.40 x 0.60 = 0.960 m ²					
					58.560 m ²
as for same 3 Nos culvert.					
58.560 m ² x 3 Nos = 175.68 m ²					
(13/2) construction of sub-grade and earthen shoulder with approved materials lead up to 100m and 1000 mtr. as per drawing and specification - do - - - - -					
do - - - - - G.I.					

Continuation

Continuation 2, 27, 192, 60

Continuation 2, 27, 192, 60

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Plv and laying G. S.B with stone materials.					
Qty. vide TMB P.No. — (01)					
item No. — (03) 92.89 m ²					
@ 2123.92/m ²				R	1,97,291.700
④ Plv and laying w. B.M Gr-II with stone materials.					
Qty. vide TMB P.No. — (02)					
item No. — (04) 74.06 m ²					
@ 3825.86/m ²				R	2,83,343.700
⑤ Plv and laying w. B.M Gr-III with stone materials.					
Qty. vide TMB P.No. — (02)					
item No. — (05) 127.22 m ²					
@ 3534.25/m ²				R	4,49,627.000
⑥ Plv and applying primer coat.					
Qty. vide TMB P.No. — (03)					
item No. — (06) 1696.42 m ²					
@ 41.38/m ²				R	70,198.700
⑦ Plv and applying tack coat.					
Qty. vide TMB P.No. — (03)					
item No. — (07) 1703.92 m ²					
@ 14.03/m ²				R	23,906.700
⑧ Patch work over WBM using Mix-Seal-surface waste plastic comp.					
Qty. vide TMB P.No. — (03)					
item No. — (08) 1703.92 m ²					
@ 205.71/m ²				R	3,50,513.700

C.O. RS 16,04,744.200

15,99,050.000

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Plv and applying tack coat					
Qty vide TMB P.No. — (04)					
item No. — (09)	10097.87 m ²				
@ 11.77/m ²				R	1,18,852.00
(10) Semi-Dense Bituminous concrete					
Qty vide TMB P.No. — (04)					
item No. — (10)	252.45 m ³				
@ 10298.75/m ³				R	25,99,919.00
(11) (i) K. m stone					
Qty vide TMB P.No. — (04)					
item No. — (12) (ii)	4.0 Nos				
@ 2452.01/each				R	9808.00
(12) Road marking with hot applied Thermoplastic compound					
Qty vide TMB P.No. — (04)					
item No. — (21)	536.4 m ²				
@ 735.40/m ²				R	3,94,469.00
(13) Plv and fixing 'Logo' of informatory sign-Board					
Qty vide TMB P.No. — (04)					
item No. — (22)	2.0 Nos				
@ 9494.40/each				R	18989.00
(14) Brick masonry work in cement mortar (1:4:3 in parapet)					
Qty vide TMB P.No. — (05)					
item No. — (23)	8.64 m ³				
@ 5266.93/m ³				R	45,506.00
					15,800.00

C.O. RS = 47,62,582.00

Continuation

47,86,593.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Material Statement				
① Earthwork:-	1144.53				
1144.53 m ² @	23.78			R	27217.700
② Stone mate 1-26.5mm to 9.5mm					
32.511 m ³ @	550.83			R	17908.700
Stone mate 1-9.5mm to 2.36mm:-					
23.227 m ³ @	411.33			R	9552.200
Local Sand:-	37.154			R	4342.700
③ Stone mate 1-63mm to 45mm					
89.859 m ³ @	427.69			R	38432.200
Mooran/Gravel:-	21.724			R	7506.700
④ Stone mate 1-53mm to 22mm					
154.360 m ³ @	458.22			R	70730.200
Stone screening:-					
30.532 m ³ @	345.52			R	10549.200
⑤ Emulsion SS-1:-	1.696			MT	
⑥ Emulsion RS-1:-	3.159			MT	
⑦ Bitumen S80:-	32.369			MT	
⑧ Stone chip 9.5mm to 4.75mm					
210.337 m ³ @	528.94			R	111256.200
⑨ Stone chips-7.75mm below:-					
151.255 m ³ @	200.45			R	30327.700
Fillar:-	7.38			R	26239.700
⑩ West plastic:-					
258.935 0.258 MT @	5350			R	1380.700
Stone agg 13.2mm to 0.09mm					
22.602 m ³ @	470.0			R	21622.700
Shiv	31/05/21				
J.E					
Shiv	31/05/21				
Ar					

memo of 1st on the 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% —			4,16,529	00	
② 7. - 10. use 2% —			1,04,132	00	
③ C&S T @ 1% —			52,066	00	
④ S&S T @ 1% —			52,066	00	
⑤ L. Cen @ 1% —			52,066	00	
⑥ S. Fee @ 10% —			36,601	00	
⑦ Royalty —			70,275	00	
Total add'l. —			7,83,735	00	
By CFMS put. —			44,22,878	00	
Total Bill Amt. —			52,06,613	00	
paid for Rs 52,06,613=00					

(Rs Fifty two lakhs Six thousand Six hundred thirteen only.)

[Signature]

Executive Engineer
R. W. D. Works Division
Belsand

slh
08/06/21

Continuation

Continuation

Continuation

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ P/v and laying G.C.B with Stone materials. do - - - do.					
ELT.					
Qty. vide TMB P. No. — (08)					
item No. — (03) 92.89m ³					
@ 2123.92/m ³					R, 97,291 = 0.
④ P/v and laying W.B.M Gr-II with Stone materials.					
Qty. vide TMB P. No. — (08)					
item No. — (04) 74.06m ³					
@ 3825.86/m ³					R, 2,83,343 = 0.
⑤ P/v and laying W.B.M Gr-III with Stone materials.					
Qty. vide TMB P. No. — (08)					
item No. — (05) 127.22m ³					
@ 3534.25/m ³					R, 4,49,627 = 0.
⑥ P/v and applying ^{primer-coat} face coat.					
Qty. vide TMB P. No. — (08)					
item No. — (06) 1696.42m ²					
@ 41.38/m ²					R, 70,198 = 0.
⑦ P/v and applying tack-coat.					
Qty. vide TMB P. No. — (08)					
item No. — (07) 1703.92m ²					
@ 14.03/m ²					R, 23,906 = 0.
⑧ Patch work over WBM Mix-seal surface & waste plastic compound.					
Qty. vide TMB P. No. — (08)					
item No. — (08) 1703.92m ²					
@ 205.71/m ²					R, 3,50,513 = 0.

C.O

RS = 15,99,050 = 0.

Continuation

C.O. Rs 49,37,658=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) Brick masonry work in cement mortar (1:3) in parapet.					✓
Qty vide TMBP No. — (03)					
item No. — (23) 8.64 m ² ✓					
@ 5266.93/m ²				R,	45506.200 ✓
(21) plastering with cement mortar (1:4) on brick work.					
Qty vide TMBP No. — (10)					
item No. — (24) 20.16 m ² ✓					
@ 194.27/m ²				R,	3916.00 ✓
(22) painting Two coats on new concrete surface.					
Qty vide TMBP No. — (10)					
item No. — (25) 58.560 m ² ✓					
@ 95.63/m ²				R,	5600 m ² ✓
				RS =	4992.00 ✓
Less for below 3.93/(-) 1.96, 188.200 ✓					
				RS =	4795.882 = 0.00 ✓
Add 1% Labour cess (+) 47.959 = 0.00 ✓					
Add 12% G.S.T (+) 5,75,506 = 0.00 ✓					
				RS =	54,19,347 = 0.00 ✓
Less for previous payment (-) 52,06,613 = 0.00 ✓					
				RS =	2,12,734 = 0.00 ✓
Signed 27/07/21 AE					
Signed 27/07/21 J.E					

Memo of 2nd on Final Bill Payment

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① SD @ 8%	—	—	—	—	17019=00
② I-Tax @ 2%	—	—	—	—	4255=00
③ CGST @ 1%	—	—	—	—	2127=00
④ SGST @ 1%	—	—	—	—	2127=00
⑤ L. cost @ 1%	—	—	—	—	2127=00
⑥ S. Fee @ 10%	—	—	—	—	—
Total Deduction					27655=00
By CFMS					185079=00
Total Bill Amt					212734=00

Passed for Rs-2,12,734/- (Rs-Two Lacs Twelve thousand seven hundred-thirty four only).

27/08/21

Executive Engineer
R. W. D. Works Division
Balsand

27/08/21

Continuation