

प्रमाणित किया जाता है कि
मापी उत्त में मशीन हंकीत 100
पूरा है जिसे सहायक मजिदारा
मासीन कार विभाग कार मजद
प्रमाणित किया जा रहा है
निर्गत किया जा रहा है

Executive Engineer
RWD Works Division

19/10/24
30.10.24

Sch. XLV - Form No. 134

R.W.D PAKRIDAYAL DIVISION

R.W.D TETARIA SUB-DIVISION

Measurement Book

No.

1475

Name _____

Date of first entry _____

Date of last entry _____

Name of Work-

1 Record Enrol

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.	
Work -	Cont. of	H-L.	R-C		
	Bridge with approach				
	over river at Saraiya				
	to Maghwa road b-				
	Maghwa Halikana-				
Agency -	Darnag	Civil Const.	India		
	Pvt Lto.				
	At - Ward No- 18,				
	Kaimur district,				
	Bulharia Pokhara				
	PO - Bhabua, Kaimur.				
Agreement No -	065BD/2024 - 2025				
	(NDB)				
Date of work order -	21.09.24				
Date of completion -	20.09.2025				
Date of Measure -	06.11.24				
$\frac{1}{4}$	supply of 50 kg				
	HySD bag in hand				
	- as per job				
25 mm dia =	22 x 27.42				594.00 mm
	Q3: 85 kg/m				2286.90 kg

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16mm ϕ =	50	3.50			175.00 cm
					@ 1.58 kg/cm = 276.50 kg
12mm ϕ =	120	3.5			420.00 cm
					@ 0.89 kg/cm = 373.80 kg
Total =	(2286.90 + 276.50 + 373.80) kg				
	=	2937.20 kg			
	=	2.937	M.T		(A)
Laps & cracker					
16mm =	45	2.50			112.50 cm
	5	2.4			12.00 cm
					122.50 cm

					@ 1.58 kg/cm = 193.55 kg
12mm	100	3.0			300.00 cm
	50	2.50			125.00 cm
	50	3.50			175.00 cm
					600.00 cm
					@ 0.89 kg/cm = 534.00 kg
Total =	(193.55 + 534.00) kg				
	=	727.55 kg			
	=	0.728	M.T		(B)
Total steel in 01 (Pile) = (A+B)					
	= (2.937 + 0.728)				M.T
	=	3.665	M.T		
For 2 nos pile =	7.330				M.T

06/11/24
J-E

T-2010

Continuation
Pallavi
06/11/24
AE

Record Entry

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{1}{4}$	5/P/P		147	50	
base of field					
25mm =	224	27.0m		59	4.0m
		@ 3.85	18/m		= 2286.90 kg
16mm =	504	3.5			= 175.0m
		@ 1.5815	1/m		= 276.50 kg
12mm =	120	43.50			= 420.0m
		@ 0.8916	1/m		= 373.80 kg
Total =	(2286.90 + 276.50 + 373.80) kg				
					= 2937.20 kg
					= 2.937 MT
					(A)

<u>Laps & wastage</u>					
16mm =	40	42.50			= 100.0m
	54	2.5			= 10.0m
					110.0m
		@ 1.5815	1/m		= 173.80 kg
12mm =	90	3.25			= 292.50m
	50	2.50			= 125.0m
	50	3.50			= 175.0m
					592.50m
		@ 0.8916	1/m		= 527.3218
					= 0.528 MT
Total steel =	(2.937 + 0.528) MT				
					= 3.465 MT

For 5 Nos. Pile = 543.465 MT
 JE = 17.325 MT
 JE

Continuation

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		$= 2.937 \text{ m-T}$	$-(A)$
<u>Crash</u>			
16m	2	424×2.50	$= 105.0 \text{ m}$
		54×2.10	$= 10.502$
			115.50 m
		0.5815 m	$= 213.6719$
12m	2	85×3.00	$= 255.0 \text{ m}$
		524×2.50	$= 130.00 \text{ y}$
		484×3.50	$= 168.00 \text{ y}$
			553.00 y
		0.8918 m	$= 492.1718$
Total	(213.67)	$(213.67 + 492.17) \text{ k}$	
		$= 705.8418$	

Continuation

L-25PT-0

1. (B)

Recanal Entry

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{1}{4}$	5/8/8	14	55	60	
	E. 1.58 18/m				
25m =	22 x	27.5	1.5	594.0m	
	E 3.85 15/m = 2286.90 kg				
16m =	50	13.5	2	175.0m	
	E 1.58 18/m = 276.50 kg				
12m =	120	13.5	50	420.0m	
	E 0.89 15/m = 373.80 kg				
Total =	2286.90 + 276.50 + 373.80 kg				
	= 2937.20 kg				
	= 2.937 H.T - (A)				

<u>Crastose</u>					
16m =	42 x	2.5	2	105.0m	
	5 x	2.5	2	10.0m	
					115.0m
	E 1.58 18/m = 213.67 kg				
12m =	86 x	3.25	2	279.50m	
	52 x	2.5	2	130.0m	
11m =	47 x	3.5	2	164.50m	
					574.0m
	E 0.89 15/m = 510.86 kg				
Total =	(213.67 + 510.86) kg				
	= 724.53 kg				
	= 0.724 H.T				

Continuation

(B)

[illegible]

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Work - Const. of H.L. Rec Bridge with approach over road at Sariga to Hagkur road to Hagkur, Malekang.					
Agency - Dames & Moore Const. Inds, Pvt Ltd.					
At - Land No - 18 Karmastamb.					
Bulkratia Pokhara					
Bhabha, Karmur					
Agent No - 65 BD/20.4.24 (HDB)					
Date of work order - 21.09.2024					
Date of completion - 20.09.2025					

Date of Meas - 08.12.24					
$\frac{1}{3}$ Paved Rec. area					
H.S. bond Cast in					
site - in c/f					
Abutment = $2 \times 6 \times 25 = 300 \text{ cm}$					
Piers = $3 \times 6 \times 25 = 450 \text{ cm}$					
					750 cm
$\frac{2}{5}$ Paved Rec. area					
bond for c/f					
$\frac{2}{5}$ Paved steel beam					
Bond for c/f					
and c/f					
Abutment = $12 \times 0.8 = 9.60 \text{ MT}$					

Continuation
 Piers = $18 \times 0.96 = 17.28$
26.88 MT

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{3}{6}$ Repairing & Constructing					
Temporary island -					
		200	175		
$\frac{4}{7}$ Repairing & Constructing					
Surrounding -					
		75			
$\frac{5}{28}$ Const. of Embankment					
with opposed material					
		2 x 300	6.0 x 1.5		540.0 m ²

	2 x 300	6.0 x 1.5		540.0 m ²
	1 x 500	6.0 x 1.5		450.0 m ²
<u>Less</u>				1125.0 m ²
	1400			29.44 m ²
				1095.56 m ²
$\frac{6}{29}$ Const. of Gravel				
Sub-base -				
	2 x 300	3.75 x 0.15		33.75 m ²
	2 x 300	3.75 x 0.15		33.75 m ²
	1 x 500	3.75 x 0.15		28.1 m ²
				70.31 m ²
Other				
08/12/2024				
J.E. Teteria				

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{1}{4}$ S/P/F & Placing M.S.D					
bess - cur cut job					
T.M.B / P- 2 =				7.330 MT	
T.M.B / P- 3 =				17.325 MT	
T.M.B / P- 5 =				29.136 MT	
T.M.B / P- 7 =				18.365 MT	
T.M.B / P- 9 =				33.900 MT	
				105.996 MT	
@ 76782.20 / MT =					8,38,606
$\frac{2}{3}$ Parady R.C.C. H/S					
in bond cast u					
situ - cur cut job					
T.M.B / P- 10 =				750.000	
@ 18208.42 / ton =					136,563.50
$\frac{3}{5}$ Parady steel liner					
- cur cut job					
T.M.B / P- 10 =				26.88 MT	
@ 104492.2 / MT =					28,08,745
$\frac{4}{6}$ Parady & Concrete steps					
relat - cur cut job					
T.M.B / P- 11 =				2.00 / per	
@ 51281.00 / per =					1,02,562

Continuation

₹ 24706.2282

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B-F 5247062282
$\frac{5}{7}$ Primary & Constructing service					
road - new cut-off					
T.M.B / P - 11 = 75.0 m					
		24380.0/m			328,5002
$\frac{6}{28}$ Const of Embankment					
road - new cut-off					
T.M.B / P - 11 = 1095.56 m ²					
		263.98/m			2,89,2062
$\frac{7}{29}$ Const of Gravel					
sub-base new cut-off					

T.M.B / P - 11 = 70.31 m ³					
		4137.8/m			2,90,92920
					2,56,1486320
<u>Adding</u>					
(i) G. STE 18%					461067520
(ii) L. STE 1%					2,56,14920
(iii) Subgrade P-14					1,06,70620
					3,05,88,39320
<u>Less</u>					
As per Agreement 0.01% below					305920
					3,05,85,33420
<u>Amount</u>					
08.12.24 = 08/12/24					
J.E					
Totonic					

Name of Agency :- Damas Civil Consstructions India Pvt. Ltd.
Address - Ward No. 18, Near Kaimurstamb,
Belwatia Pokhra, P.O. - Bhabua,
Distt - Kaimur.
Mo. No. 9431463840/8935823589
Email. -damasccipl@gmail.com

Name Of Work :- Construction of Road & C.D Work With Five Year
Maintenance Of The Package No. M.M.G.S.Y.-NDB-
BRRP-717-PAKRIDAYAL. Under M.M.G.S.Y (NDB)
BRICS.

Agreement No- 06 S.B.D/2024-25.
N.D.B.

R.W.D (W) Div. Pakridayal

Rate approved by :- S.E, R.W.D, MOTIHARI

C.E-5, Letter No :- 2300 (WE) Date- 30.08.2024

Construction Cost :- 07,19,05,612.00

Maintanence. Cost :- 15,51,734.00

Total :- 07,34,57,346.00

Agreement Value :- 07,34,57,346.00 (Rupees Seven Crore Thirty Four Lakh
Fifty Seven Thousand Three Hundred Forty Six Only)

Date of Work Order :- 21-09-2024

Time Of Completion :- 20-09-2025

Performance Security :- 18,50,000.00

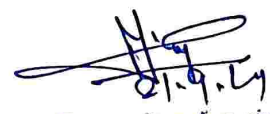
Additional Performance Security :- 05,000.00

Submitted to Division by B.G & N.S.C :- 18,55,000.00

Security Deduct From Bill :- 7.5%

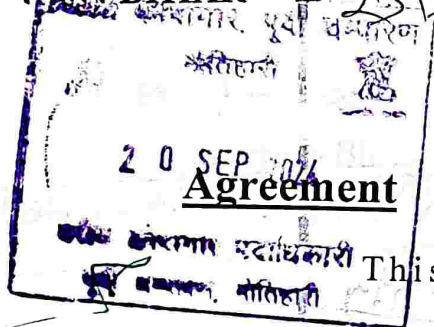
No Of Road :- 02 (one Road & One Bridge.)

Rate :- 0.01 % Below .


21.9.24
Executive Engineer
RWD WORKS DIVISION
Pakaridava
21/09/24



बिहार BIHAR



Standard From : Agreement

मुद्रांक विक्रेता, मोतिहारी
ला० नं०-133/88-89

This agreement, made the _____ day of _____ 20_____, between Executive Engineer, Rural Work Department, Works Division Pakridayal, East Champaran of the one part, Damas Civil Consstructions India Pvt. Ltd. Address - Ward No. 18, Near Kaimur stamb, Belwatia Pokhra, P.O. - Bhabua, Distt - Kaimur. Whereas the Employer is desirous that the Contractor of the Construction of Road & C.D Work With Five Year Maintenance Of The Package No. M.M.G.S.Y.-NDB-BRRP-717-PAKRIDAYAL. Under M.M.G.S.Y (NDB) BRICS. and the employer has accepted the Bid by the contractor for the execution and completion of such works and the remedying of any defects therein at a cost Rs – 07,34,57,346.00 (Rupees Seven Crore Thirty Four Lakh Fifty Seven Thousand Three Hundred Forty Six Only)
NOW THIS AGREEMENT WITNESSETH as follows:

2. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

[Signature]
21-9-24
Executive Engineer
RWD WORKS DIVISION
Pakridayal
21/9/24

Package No. – M.M.G.S.Y.-NDB-BRRP-717-PAKRIDAYAL.

Under :- M.M.G.S.Y (NDB) BRICS.



Sl. No.	Road /BridgeName	Length (in K.M)	Construction Cost.	Maintenance Cost.	Amount In Rs.
01	Part - A Saraiya To Meghua Road To Meghua Malikana.	1.200	01,28,03,909.00	12,77,994.00	01,40,81,903.00
	Part - B Construction of RCC HL Bridge Span 4X18.75 M at CH-0+770 km over River. In Saraiya To Meghua Road To Meghua Malikan Road With Approach Road = 100 M	77.28 M	05,91,01,703.00	02,73,740.00	05,93,75,443.00
	Total	1.200 K.M 77.28 M	07,19,05,612.00	15,51,734.00	07,34,57,346.00

Executive Engineer

RWD (W) Division, Pakridayal.

[Signature]
21/9/2024

[Signature]
21/9/24

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

5. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

- i) Letter of Acceptance;
- ii) Notice to proceed with the works;
- iii) Contractor's Bid;
- iv) Contract Data;
- v) Special Conditions of contract and General Conditions of Contract;
- vi) Specifications;
- vii) Drawings;
- viii) Bill of Quantities; and
- ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of

was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said

in the presence of:
Binding Signature of Employer

Binding Signature of Contractor

21/9/24

Executive Engineer
RWD WORKS DIVISION
Pakaridaval

21/9/24