

प्रमाणित किया जाता है
कि मापी पुल में मशीन टैकी
100 फुट है जिसे सहायक -
अभिमान R.W.D मध्यम के
पदनाम से निर्गमित किया गया
है।


Executive Engineer
RWD Works Division
Bikaner

15.7.2015

Sch. XLV - Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No.

1393

Name _____

Date of first entry _____

Date of last entry _____

Name of Work- **1**
 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.				
N/w:→	constn. of road and C/D				
	works from NH-104 Shriv				
	Mandi to Barah under				
	144 GSY (NDB Bricks)				
Agency:→	M/s Shivam Kumar				
	AT- Chota Bariyarpur,				
	Motihari, Chhapra				
Agreement no →	12 SBD/2023-24.				
D.O.S →	04/07/2023				
D.O.C →	03/07/2024				
D.O. 14 →	12/12/2023				
1.→ E/w	in excavation for foundn				
	of B.P. - Do - all comp. job.				
	2X	2X	6.45	1.40	1.50 = 54.18 M ³
	2X	1X	4.85	1.53	0.365 = 5.42 "
					59.60 M ³
2.→ Providing	P.C.C 1:1.5 in foundn				
	- Do - all comp. job.				
	2X	2X	6.45	1.40	0.15 = 5.418 M ³
	2X	1X	4.93	1.53	0.25 = 3.77 "
Continuation C.O →					9.188 M ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.f =	9.188 M ³
less, 0.250 x 0.785 x (1.23) x 5.496 x 2 =					8.267 "
					5.921 M ³
				Say =	5.92 M ³
3.) Providing and laying R.C.C pipe					
NP-3 - do - all comp. job.					
	2x	3x	2.5		15.00 M.
4.) P.C.C 14-20 in sub-str.					
- do - all comp. job.					
	2x	2x	6.15x	0.825x	2.58 = 52.36 M ³
	2x	2x	6.15x	0.40x	1.20 = 11.80 "
					64.16 M ³
less, 2x 2x 0.785x (1.23) x 0.622 =					42.96 "
					61.20 M ³
5.) Painting two coats on new concrete surface - do - all comp. job.					
	2x	2x	6.15x	3.43	84.38 M ²
6.) Dismantling of existing str.					
- do - all comp. job ->					34.66 M ³
7.) Dismantling of cement concrete str.					
- do - all comp. job ->					1.20 M ³
8.) Dismantling of cement concrete pavements - do - all comp. job.					
	82x	3.00x	0.100		24.60 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9.) Removing all types of H.P					
-do-all comp. job. →					10.00 M.
10.) Providing and fixing of working Benchmark					
Pillars -do-all comp. job. →					1.25 KM.
11.) Providing and fixing reference					
Pillar -do-all comp. job. →					1.25 KM.
12.) clearing and grubbing road land					
-do-all comp. job.					
	2X	5X	30.00X	2.00	600.00 M ²
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	5X	30.00X	2.00	600.00 "
	2X	1X	30.00X	2.00	120.00 "
	2X	1X	20.00X	2.00	80.00 "
					5000.00 M ²
					10000
					= 0.50 Ha

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13) Constn. of Embankment with					
Material obtained from borrow pits					
from E/W Quantity Sheet.					
CH	Area	Mean Area.	Dist.	volume.	
0	0.450	—	—	—	
50	0.676	0.563		50	28.150 m ³
100	1.080	0.878		50	43.900 "
150	1.551	1.316		50	65.775 "
200	1.412	1.482		50	74.075 "
250	0.454	0.933		50	46.650 "
265	0.545	0.500		15	7.493 "
300	0.00	0.00		35	0.00 "
350	0.00	0.00		50	0.00 "
400	0.00	0.00		50	0.00 "
420	0.328	0.00		20	0.00 "
450	0.246	0.287		30	8.610 "
500	0.121	0.184		50	9.175 "
550	1.026	0.574		50	28.675 "
600	0.737	0.882		50	44.075 "
650	0.296	0.517		50	25.825 "
700	0.149	0.223		50	11.125 "
750	0.279	0.214		50	10.700 "
800	0.283	0.281		50	14.050 "
890	0.737	0.00		90	0.00 "
			Cre	—	418.278 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Bf =	418.2784 ³
900	0.903	0.820		10	8.200 "
950	0.964	0.934		50	46.675 "
1000	0.755	0.860		50	42.975 "
1050	0.691	0.723		50	36.150 "
1100	1.192	0.942		50	47.075 "
1150	0.804	0.998		50	49.900 "
1200	1.603	1.204		50	60.175 "
1250	1.013	1.308		50	65.400 "
					774.8284
14.) const ⁿ of Embankment lead upto					
1000m - do - all comp. job,					
					30% of 774.8284 ³ = 232.454 ³
15.) const ⁿ of Embankment lead upto					
1800m - do - all comp. job,					
					70% of 774.8284 ³ = 542.384 ³
16.) const ⁿ of Subgrade and Earthen					
Shoulders - do - all comp. job					
	5X	30 X	6.00 X	0.300	= 270.000 ³
	5X	30 X	6.00 X	0.300	= 270.00 "
	1X	30 X	6.00 X	0.300	= 54.00 "
	1X	5 X	6.00 X	0.300	= 9.00 "
					CO = 603.000 ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F =	603.00 m ³
2X	5X	30X	1.475X	0.200 =	88.50 "
2X	5X	30X	1.475X	0.200 =	88.50 "
2X	5X	30X	1.475X	0.200 =	88.50 "
2X	5X	30X	1.475X	0.200 =	88.50 "
2X	4X	30X	1.475X	0.200 =	70.80 "
2X	1X	15X	1.475X	0.200 =	8.85 "
2X	5X	30X	1.20X	0.075 =	27.00 "
2X	5X	30X	1.20X	0.075 =	27.00 "
2X	5X	30X	1.20X	0.075 =	27.00 "
2X	5X	30X	1.20X	0.075 =	27.00 "
2X	4X	30X	1.20X	0.075 =	21.60 "
2X	1X	15X	1.20X	0.075 =	2.70 "
2X	5X	30X	0.625X	0.100 =	18.75 "
2X	4X	30X	0.625X	0.100 =	15.00 "
2X	5X	30X	0.625X	0.075 =	14.06 "
2X	4X	30X	0.625X	0.075 =	11.25 "
	3X	30X	3.90X	0.300 =	105.30 "
					1333.31 m ³
	<i>Ramp</i> 30/10/23 T.E <i>30/10/23</i> <i>AK</i>				
17.7	const ⁿ of G.S.B				
	- 20 - all comp. jrb.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12X	(9.60 + 4.05) 2				$\times 0.200 = 16.38 \text{ m}^3$
5X	30X	4.05X	0.200		$= 121.50 \text{ "}$
5X	30X	4.05X	0.200		$= 121.50 \text{ "}$
1X	23X	4.05X	0.200		$= 18.63 \text{ "}$
2X	5X	30X	0.525X	0.100	$= 15.75 \text{ "}$
2X	5X	30X	0.525X	0.100	$= 15.75 \text{ "}$
2X	3X	30X	0.525X	0.100	$= 9.45 \text{ "}$
2X	1X	10X	0.525X	0.100	$= 1.05 \text{ "}$
1X	30X	3.00X	0.100		$= 9.00 \text{ "}$
1X	10X	3.00X	0.100		$= 3.00 \text{ "}$
15X	(4.05 + 6.50 + 4.05) 3				$\times 0.100 = 7.30 \text{ "}$
4X	30X	4.05X	0.100		$= 48.60 \text{ "}$
1X	15X	5.00X	0.100		$= 7.50 \text{ "}$
5X	30X	4.05X	0.100		$= 60.75 \text{ "}$
3X	30X	4.05X	0.100		$= 36.45 \text{ "}$
10X	(10.00 + 4.05) 2				$\times 0.100 = 7.03 \text{ "}$
					499.64 m^3
for, P.C. e $\rightarrow$	27X	3.00X	0.100		$= 8.10 \text{ m}^3$
2X	5X	30X	0.375X	0.100	$= 11.25 \text{ "}$
2X	4X	30X	0.375X	0.100	$= 9.00 \text{ "}$
10X	2.03X	0.100			$= 2.03 \text{ "}$
					530.02 m^3
	10/11/23				
	J.E				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST.</u>					
$\frac{1}{34}$ E/W in Excavation for bound					
-do- all comp. job.					
59.60 M ³ wide TMB P-01					
@ Rs. 383.28/M ³				Rs.	22,843=00
$\frac{2}{35}$ Providing P.C.C M-15 in bound					
-do- all comp. job.					
5.92 M ³ wide TMB P-02					
@ Rs. 7558.05/M ³				Rs.	44,743=00
$\frac{2}{36}$ Providing and laying HP NP-3					
-do- all comp. job.					
15.00 M ³ wide TMB P-02					
@ Rs. 7635.25/M ³				Rs.	1,14,528=00
$\frac{4}{38}$ P.C.C M-20 in sub-st.					
-do- all comp. job.					
61.20 M ³ wide TMB P-02					
@ Rs. 8977.83/M ³				Rs.	5,49,443=00
$\frac{5}{37}$ Painting two coats on new concrete surface					
-do- all comp. job.					
84.38 M ³ wide TMB P-02					
@ Rs. 127.28/M ³				Rs.	10,739=00
$\frac{6}{04}$ Dismantling of existing st.					
-do- all comp. job.					
Co				Rs.	7,42,296=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F		Rs. 7,	42,296=00
34.66 M ³ vide TMB P-02					
@ Rs. 314.04 / M ³				Rs.	10,884=00
7/05 > Dismantling of P.C.C s/r.					
-do- all comp. job.					
1.20 M ³ vide TMB P-02					
@ Rs. 652.07 / M ³				Rs.	782=00
8/06 > Dismantling of P.C.C					
-do- all comp. job.					
24.60 M ³ vide TMB P-02					
@ Rs. 1780.01 / M ³				Rs.	43,788=00
9/07 > Removing all types H.P					
-do- all comp. job.					
10.00 M ³ vide TMB P-03					
@ Rs. 251.23 / M ³				Rs.	2512=00
10/01 > Providing and fixing					
Benchmark Pillar					
-do- all comp. job.					
1.25 KM vide TMB P-03					
@ Rs. 4874.61 / KM				Rs.	6093=00
11/02 > Providing and fixing					
reference Pillar -do- all					
comp. job.					
1.25 KM vide TMB P-03					
@ Rs. 2278.56 / KM				Rs.	2848=00
		C.O		Rs.	8,09,203=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F		Rs. 8,	09,203=00
$\frac{12}{03} \rightarrow$ clearing and grubbing					
road land - do - all comp.					
job.					
0.50 Ha vide TMB P-03					
@ Rs. 72,697.86/Ha				Rs.	36,348=00
$\frac{13}{09} \rightarrow$ constn. of embankment					
lead up to 100m - do - all					
comp. job.					
232.45 m ³ vide TMB P-05, item-14					
@ Rs. 258.52/m ³				Rs.	60,092=00
$\frac{14}{10} \rightarrow$ constn. of embankment					
lead up to 100m - do - all					
comp. job.					
542.38 m ³ vide TMB P-05, item-15					
@ Rs. 175.01/m ³				Rs.	94,921=00
$\frac{15}{11} \rightarrow$ constn. of subgrade					
- do - all comp. job.					
1333.31 m ³ vide TMB P-06, item-16					
@ Rs. 264.23/m ³				Rs.	3,52,300=00
$\frac{16}{12+17} \rightarrow$ constn. of G.S.B					
- do - all comp. job.					
530.02 m ³ vide TMB P-7, item-17					
@ Rs. 3541.89/m ³				Rs.	18,77,272=00
		C.O		Rs.	32,30,136=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Leig ⁿ fee		
1.) const ⁿ of Embankment					
-do- all comp. job.					
$774.834^3 \times 35.01 = 27126.80$					
			@10%.	Rs.	2712.68
2.) const ⁿ of Sub-grade					
-do- all comp. job.					
$333.314^3 \times 829.05 = 46679.18$ 35.01					
			@10%.	Rs.	4667.92
3.) const ⁿ of G.S.B-do- all comp.					
$530.024^3 \times 829.05 = 439413.08$					
			@10%.	Rs.	43941.31
4.) Providing W.B.M Gr-II					
-do- all comp. job.					
$290.114^3 \times 1409.22 = 408828.82$					
			@10%.	Rs.	40882.88
5.) 1000 mm Dia H.P.					
$15.14 \times 2.63 = 39.45$					
			@10%.	Rs.	3.95
6.) Providing P.C.C 1:1:5-do- all comp.					
$5.924^3 \times 1036.64 = 6136.91$					
			@10%.	Rs.	613.69
7.) Providing P.C.C 1:1:20-do- all comp.					
$61.204^3 \times 1105.74 = 67671.288$					
			@10%.	Rs.	6767.13
				Rs.	99589.56

Continuation

Say - Rs. 99590.00

[illegible]

Continuation

Name of Agency

:- M/S Shivam Kumar,
Add. - At. - Chhota Bariyarpur,
P.O - Motihari, P.S - Chhatauni,
Distt. - East Champaran.
Mo. No. 9572400000/6204356391
Email. - shivamsingh895@gmail.com

Name Of Work

:- Construction of Road & C.D Work With Five Year Maintenance
Of The Package No. MMGSY-NDB-BRRP-501-PAKRIDAYAL.
Under M.M.G.S.Y (NDB BRICS).

Agreement No- 12 569 /2023-2024

R.W.D (W) Div. Pakridayal

Rate approved by

:- S.E, R.W.D, MOTIHARI

E.I.C, Letter No

:- 1181 (WE) Date- 03.07.2023

Construction Cost

:- 07,87,74,340.00

Maintenance. Cost

:- 69,64,2511.00

Total

:- 08,57,38,591.00

Agreement Value

:- 08,57,38,591.00 (Rupees Eight Crore Fifty Seven Lakh
Thirty Eight Thousand Five Hundred Ninety One Only)

Date of Work Order

:- 04/07/2023

Time Of Completion

:- 03/07/2024

Performance Security

:- 17,25,000.00

Additional Performance Security :-

01,50,000.00

Submitted to Division by B.G & N.S.C :- 18,75,000.00

Security Deduct From Bill :- 8%

No Of Road

:- 07 (Seven)

Rate

:- 00.49 % Below.

M/s Shivam Kumar

Awinash Kumar

Partner

Signature
4/7/23
Executive Engineer
RWD WORKS DIVISION
Pakridayal
4/7/23

INDIA NON JUDICIAL
Government of Bihar

e-Stamp

Certificate No. : IN-BR-2300392876
Certificate Issue Date : 04-Jul-2023 12:39 PM
GRN No. : BHR20230700057863E
Unique Doc Reference : EST-BR-4600-2300012290
Party Name : MS SHIVAM KUMAR
Purchased by : MS SHIVAM KUMAR
Purpose : NA Article no (NA)
Stamp Duty Paid (Rs.) : 1000 (One Thousand Only)
Reg. Fee (Rs.) : 0 (Zero Only)
LLR & P Fee (Rs.) : 0 (Zero Only)
Miscellaneous Fee (Rs.) : 0 (Zero Only)
Discore SC (Rs.) : 0 (Zero Only)
Total Amount (Rs.) : 1000 (One Thousand Only)

Agreement

Standard Form : Agreement
12 530/2023-2024

This agreement, made the 04 July day of 20 23,

between Executive Engineer, Rural Work Department, Works Division Pakridayal, East Champaran of the one part, M/S Shivam Kumar, Add. - At. - Chhota Bariyarpur, P.O - Motihari, P.S - Chhatauni, Distt - East Champaran. Whereas the Employer is desirous that the Contractor of the **Construction of Road & C.D Work With Five Year Maintenance Of The Package No. MMGSY-NDB-BRRP-501-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 - 08,57,38,591.00 (Rupees Eight Crore Fifty Seven Lakh Thirty Eight Thousand Five Hundred Ninety One Only)

NOW THIS AGREEMENT WITNESSETH as follows: IN 2300394630

1. 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.

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at <https://enibandhan.bihar.gov.in> or using enibandhan mobile app. Any discrepancy in the details on this Certificate and as available on the website/Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate. In case of any discrepancy please inform the Competent Authority.

M/s Shivam Kumar
Avinash Kumar
Partner

Suban
4/7/23

Executive
RWD WORKS DIVISION
Pakridayal

Package No. – MMGSY-NDB-BRRP-501-PAKRIDAYAL.

Tender ID :- 124975

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

Sl. No.	Road Name	Length (in K.M)	Construction Cost.	Maintenance Cost.	Amount In Rs.
01	Pakariya Chowk To Madhuban Chakia PWD Road.	2.350	02,28,57,933.00	22,42,937.00	02,51,00,870.00
02	Chaita More To Roja Miya Hause.	0.905	99,57,611.00	07,52,384.00	01,07,09,995.00
03	NH-104 (Shiv Mandir) To Bandh.	1.250	01,04,71,031.00	12,35,453.00	01,17,06,484.00
04	NH-104 (Shiv Mandir) To Moglaniya Mahadalit Tola.	0.950	92,78,458.00	07,28,125.00	01,00,06,583.00
05	NH-104 (Shiv Mandir) To Dhaneshwar Baitha House.	1.200	01,15,60,277.00	07,19,312.00	01,22,79,589.00
06	Gamhariya Gonahi To Gujraul Mushar Tola	0.300	41,22,492.00	03,25,311.00	44,47,803.00
07	Diplal Shah Hause To Jamuna Prasad Yadav House Via Mahadalit Basti.	1.050	01,05,26,538.00	09,60,729.00	01,14,87,267.00
	Total	8.005	07,87,74,340.00	69,64,251.00	08,57,38,591.00

Executive Engineer
RWD Division, Pakridayal.
4/11/23
4/17/23

M/s Shivani Kumar
Avinash Kumar
Partner

2. 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.

3. 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.

4. 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

M/s Shivani Kumar
Avinash Kumar
Partner


4/7/23


4/7/23
EXECUTIVE ENGINEER
RWD WORKS DIVISION
Bakardiyal