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:- Construction of road from AJB Jogia to Budhoura Harijan Tola Under MMGSY WB-20 Khaparia-01					
Agency:- Chirag Jee constructien.					
Narasondih Shambhuganaj Banka.					
Agreement no-09MBD/2020-21					
Agreement value - 2,47,41,413=00					
Date of start - 31.08.2020					
Date of Completion-30.08.2021					
(1) Providing and fixing working benchmark-de-					
	1	X 2.0 M			2.0alos
(2) Clearing and grubbing road land					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	including ub				
	heating dad				
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²
	2× 10×	30·0×	1·50	=	900·0m²

$$2 \times 5 \times 30·0 \times 1·50 = 450·0m²$$

total = 10350·00 m²

= 1·035 Hac

HPc 1000mm∅

(3) Earthwork in exca-

-vation for structure

HPC 1

H·Wall	$2 \times 6·450 \times 1·40 \times 1·50 = 27·09m^3$
Belw pipe	$1 \times 4·850 \times 1·530 \times 0·260 = 2·67m³$

S.Total = 29·76m

HPC-2

H·Wall	$2 \times 6·450 \times 1·70 \times 1·50 = 27·09$
Belw pipe	$1 \times 4·850 \times 1·530 \times 0·365 = 2·71m³$

S·Total = 29·80 m³

Total = 59·56m³

(4) fxnding M15 PCC

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	$(1:2.5:5)$ as levelling				
	course in foundation.				
	— do — do —				
HPC 1 H. wall	$2 \times 8.450 \times 1.40 \times 0.15 =$				2.71 m^3
Below pipe -	$1 \times 4.931 \times 1.53 \times 0.100 =$				0.75 m^3
Side for pipe	$2 \times 4.50 \times 0.100 \times 0.100 =$				0.09 m^3
				S. total $= 3.55 \text{ m}^3$	
HPC-2 H. wall	$2 \times 8.450 \times 1.40 \times 0.15 =$				2.71 m^3
Below pipe	$1 \times 4.931 \times 1.53 \times 0.100 =$				0.75 m^2
Side for pipe	$2 \times 4.50 \times 0.100 \times 0.100 =$				0.09 m^3
				S. total = 3.55 m^3	
				Total = 7.10 m^3	
	(5) providing and				
	laying RCC Pipe				
	NP3 for culvert.				
HPC 1	3×2.5			=	7.50
HPC 2	3×2.5			=	7.50
				Total =	15.0 m
	(6) Brick masonary				
	work in CM 1:4				
	in head wall				
	can/ele — do do				
HPC-1 H. Wall	$2 \times 6.15 \times \dfrac{1.25 + 0.40}{2} \times 2.580 =$				26.18 m
Parpet	$2 \times 6.15 \times 0.40 \times 1.20 =$				5.90 m^3
Loss for pipe	$- 2 \times 0.7857 \times (1.20)^2 \times (-) =$				1.48 m
				S. Total =	30.61 m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
HPC 2.					
H·Wall	$2 \times 6.15 \times \frac{1.25 + 1.60}{2} \times 2.18 = 26.16 m^3$				
Parafet	$2 \times 6.15 \times 0.40 \times 1.20 = 5.90 m$				
less for pipe	$2 \times 0.785 \times (1.230)^2 \times 0.625 = 1.48 m$				
	S. Total = 30.58 m³				
	Total = 61.19 m³				

⑦ Plastering with
Cement mortar
(1:4) on brick work
in substructure d...

HPC - 1					
outside	$2 \times 6.15 \times 2.70 = 33.21 m$				
inner side	$2 \times 6.150 \times 0.600 = 7.38 m$				
Top	$2 \times 6.150 \times 0.400 = 4.92 m$				
Parafet	$2 \times 2 \times 0.40 \times 1.20 = 1.92 m$				
less for pipe	$2 \times \frac{22}{7} \times 0.615 \times 0.615 \ (-) = 2.38 m$				
	S. Total = 45.05 m				
HPC - 2					
outside	$2 \times 6.150 \times 2.70 = 33.21 m$				
inner side	$2 \times 6.150 \times 0.600 = 7.38 m$				
Top	$2 \times 6.150 \times 0.400 = 4.92 m$				
Parafet	$2 \times 2 \times 0.40 \times 1.20 = 1.92 m$				
Less for pipe	$2 \times \frac{22}{7} \times 0.615 \times 0.615 (-) = 2.38 m$				
	S. Total = 45.05 m				
	Total = 90.10 m				

Slab
Rcc ^ culvert 2·50m × 1·50 m

5

Sch. XLV-Form No. 134.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Earthwork in excavation for structure do					
Abt-	2 × 9·30 × 2·233 × 1·80 = 74·76 m³				
R/wall -	4 × 1·767 × 2·05 × 1·80 = 26·08 m³				
Ploor under Deck slab	1 × 7·70 × 0·70 × ·250 = 1·35 m³				
	Total = 102·19 m³				
⑨ Sand filling in foundation do.					
Ploor under Deck slab	1 × 7·70 × 2·125 × 0·100 = 1·64 m³				
⑩ Providing PCC HB					
Abt-	2 × 9·30 × 2·233 × 0·200 = 8·31 m³				
R/wall -	4 × 1·767 × 2·050 × 0·200 = 2·90 m³				
Ploor under Deck slab -	1 × 7·70 × 2·834 × 0·150 = 2·58 m³				
	Total = 13·79 m³				
④ Brick masonary work in cement mortar 1:4 in foundation					
Abt -	$2 × \frac{9·10 + 7·70}{2} × \frac{2·033 + 1·333}{2} × 1·60 = 45·24 m³$				
A/wall	$4 × 1·767 × \frac{1·85 + 1·150}{2} × 1·60 = 16·79 m³$				
	Total = 62·03 m³				
⑤ Brick Masonary work in cement mortar (1:4) in sub structure do					

_R_ Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abt –	2 × 7.52 ×	$\frac{1.33 + 0.90}{2}$	×	1.30 =	17.87 m³
P/wall –	4 ×	$\frac{2.20 + 1.76}{2}$	× $\frac{0.95 + 0.40}{2}$	× 1.3 =	6.95 m³
				Total	24.82 m³

(9) Construction of embankment –

Chainage	Area	Mean Area	Dist	Qty.
1900	0.965	—	—	—
1950	1.112	1.038	50	51.95 m³
2000	0.988	1.050	50	52.50 m³
2050	1.052	1.020	50	51.00 m³
			50	
2150	0.967	1.061	50	53.80 m³
2200	1.125	1.046	50	52.30 m³
2250	0.896	1.011	50	50.55 m³
2300	0.942	0.919	50	45.95 m³
2350	1.259	1.098	50	54.90 m³
2400	1.052	1.153	50	57.65 m³
2450	1.113	1.083	50	54.15 m³
2500	0.875	0.994	50	49.70 m³
2550	1.252	1.064	50	53.20 m³
2600	0.896	1.074	50	53.70 m³
2650	1.245	1.071	50	53.55 m³
2700	0.875	1.060	50	53.60 m³
2750	1.121	0.998	50	49.90 m³
2800	1.085	1.103	50	55.15 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2850	1.143	1.114		50	55.70 m³
2900	0.896	1.020		50	51.10 m³
2950	0.935	0.916		50	45.80 m³
3000	1.154	1.045		50	52.25 m³
3050	0.865	1.010		50	50.50 m³
3100	0.832	0.849		50	42.45 m³
3150	0.971	0.902		50	45.10 m³
3200	1.142	1.057		50	52.85 m³
3250	0.973	1.058		50	52.90 m³
3300	1.102	1.038		50	51.90 m³
3350	1.053	1.078		50	53.90 m³
3400	0.872	0.965		50	48.25 m³
				Total =	1549.85 m³

Lead up to
100 m = 1549.85 m³

(10) Box cutting
excavation for
roadway - do

$2 \times 10 \times 30.0 \times 0.525 \times 0.100 = 31.50 m³$

$2 \times 10 \times 30.0 \times 0.525 \times 0.100 = 31.50 m³$

$2 \times 10 \times 30.0 \times 0.525 \times 0.100 = 31.50 m³$

$2 \times 10 \times 30.0 \times 0.525 \times 0.100 = 31.50 m³$

$2 \times 10 \times 30.0 \times 0.525 \times 0.100 = 31.50 m³$

Total = 157.50 m³

(11) Construction of
Granular sub base

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	by well graded				
	material do				
Inlidaniy	2 × 10 × 30.0 × 0.525 × 0.100 = 31.50 m^3				
	2 × 10 × 30.0 × 0.525 × 0.100 = 31.50 m^3				
	2 × 10 × 30.0 × 0.525 × 0.100 = 31.50 m^3				
	2 × 10 × 30.0 × 0.525 × 0.100 = 31.50 m^3				
	2 × 10 × 30.0 × 0.525 × 0.100 = 31.50 m^3				
full width	10 × 30 × 4.05 × 0.100 = 121.50 m^3				
2 × 10 × 30.0 × 4.05 × 0.100 = 121.50 m^3					
a 2 × 10 × 30.0 × 4.05 × 0.100 = 121.50 m^3					
a 2 × 10 × 30.0 × 4.05 × 0.100 = 121.50 m^3					
10 × 30.0 × 4.05 × 0.100 = 121.50 m^3					
			Total = 765.0 m^3		

19/3/21 19/3/21 J.E
AE (Abuli)

(12) Provide of and
Along of Typical
MMGSY Information
Sign board —

1 × 2.0 no ———— 2.0 no

19/3/21 19/03/21 J.E
AE (Abuli)

Continuation

1st on A/c Bill

Abstract g of Cost

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Providing and fixing working benchmark					
— do — do —					
2.0 No 8ty vide MRP ½					
@ 3857.04/No = 7714=00					
②/3 Clearing and Grubbing road land — do —					
1.035 Hac 8ty vide MRP 2/2					
@ 51137.38/Hac = 52927=00					
③/4 Box cutting excavation for road					
157.50 m³ 8ty vide MRP 7/10					
@ 75.50/m³ = 11891=00					
④/5 Const. of embankment with approved material obtain from borrow pits lead up to 100m					
1549.85 m³ 8ty vide MRP 7/9					
@ 162.47/m³ = 251804=00					
⑤/8 Const. of Granular sub base by well graded material					
765.0 m³ 8ty vide MRP 8/11					
@ 2682.21/m³ = 205189=00					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) 28	E/w in excavated				
	for structure				
	in fond on				
59.56 ms	8	y de tws	p 2/3		
+102.19 "	"	"	"	5/8	
161.75 m3					
	@ 269.32/m3 ₹ 43562=u				
(7) 29	Providing PCC M15				
	in levelling				
	course in fond.				
7.10 m3	8 ty vide tws	p 3/y			
+13.79 m3	"	"	"	4/10	
20.89	@ 4999.62/.. ₹ 104443				
(8) 30	Brick masonry				
	work in cm(1:4)				
	in head wall.				
61.19 m3	8 ty n de vws	p. 4/6			
	@ 5815.83/m3 ₹ 355871=0				
(9) 31	Plastering with				
	Cement mortar				
	in sub structure.				
90.10 m2	8 ty vide tws	p 4/7			
	@ 163.93/m ₹ 14770=0				
(10) 35	Providing and				
	laying RCC of P3 pipe				
15.0 m	8 y vide tws	p 3/5			
	@ 3795.28/m ₹ 56929=00				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) 36	Sand filling in foundation				
	― do ―				
1.64 m³ 8ly wide TMBP - 5/9					
@ 426.88/uo ₹ 700 =00					
(12) 37	Brick masonary work in cement mrta (1:4)				
62.03 m³ 8ly wide TMBP 5/4					343995=0 343 313
@ 5545.62/us ₹ 313					
(13)	Providing and fixing class				
	MM cosy board.				
2.0 No 8ly wide TMBP 8/2					
@ 9143.99/No ₹ 18288=00					
Total ₹ 3314785=00					
Add GST @ 12% ₹ 397774=00					
Add L.C @ 1% ₹ 33148=00					
Net ₹ 37,45707=00					
		12/3/21 AC (Alauli)		12/3/21 J.E Alauli	
12.3.21					

हार BIHAR

2020

JUN 2020

AE 836345

AB............. PANI....
Stamp vendor
L. No.- 1/2001-82
Court Compound
Bhagalpur

AGREEMENT No. ___ 05 NBD/2020-21

Date of Commencement   :- 31/08/2020

Date of Completion   :- 30/08/2021

Agreement Value   :- Rs.2,47,41,413=00 (Below @ 1.60 %)

Earnest Money   :- Rs.5,05,000 =00

Performance Security   :- Rs. 1,00,000=00

This agreement, made the   31 th day August of 2020 between **Executive Engineer Rural Works Division, Works Division, Khagaria** (name and address of Employer) And Chiraj Jee Construction, Narasandih, Shambhugaj, Banka-813211 Whereas the Employer is desirous that the Contractor execute **Conts. Of Road from MMGSY-WB-20-Khagaria-01 (Ajb Jogiya To Budhoura Harijan Tola)** Under MMGSY WB (name and identification number of Contract (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therain at a cost of Rs.2,47,41,413=00 (Rupees Two Crore Fourty Seven Lakh Fourty One Thousand Four Hundred Thirteen) Only.

Executive Engineer
R.W.D. Works Division
Khagaria