KOKARSA MAHADALIT TOLA
(SC) - 2019-20

Schedule XLV-Form No. 134

E E, R.W.D. W. Div. Jenabad DIVISION

A.E. R.W.D, W. Sub. Div. Hiasgarj SUB-DIVISION

2684-

MEASUREMENT BOOK

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 Bhatta Bigha Tall to Kokarsa Mahadalit Tola in Hulasganj under MMGSY.					
Name of contractor: Alok kumar.					
vill → Bigha, P.O + P.S - Dhanalbigha, P.S - Hulasganj. Jehanabad					
Date of start as per agg → 18/08/2020.					
Date of completion → 17/08/2021.					
Actual Date of start → 18/08/2020.					
Actual Date of completion → work is in progress. Agr No: → 1780/20-21.					
Date of Entry: → 25/10/2020.					
Item No (1/3)	Clearing and grubbing Road land - do - do				
3 25.10. AE		66	30.00	6.00	11880 m²
		1	20.00	6.00	120 m²
				Total =	12,000 m²
				=	1.2 Ha.

Continuation

2nd on A/c

—×—×—

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction of Road from Blakhe Bigha Fall to Kokarsa Mahadalit Tola in Makhdumpur under MMGSY.					
Name of contractor :- Alok Kumar vill - Bersa, P.O :- Danwal bigha P.S - Makhdumpur, Jehanabad					
Date of start as per agg :- 18/08/2020.					
Date of completion as per agg :- 17/08/2021.					
Actual Date of start :- 18/08/2020.					
Actual Date of completion :- work in progress.					
Agreement No. :- 17/SBD/20-21.					
Date of Entry :- 05/08/2021.					
Item No (1/3). Clearing and grubbing Road Land - do —					
— do —					1440.00m²
	8 ×	30.00 ×	6.00	—	180.00m²
	1 ×	30.00 ×	6.00	—	12.00m²
	1 ×	2.00 ×	6.00	—	
				Total =	1632.00m²
					= 0.163 Hec
(2/4)- Excavation for roadway in soil using manual means					
— do —		do			

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
B. C. C. Position					
— " — " —					
Box cutting &					
both sides of Road					
— " — " —					
2	12	30.00	0.625	0.100	45.00 m²
Previous payment on P.No-14					11.25 m²
			Total qty =		33.75 m².
(3/5) - Construction of embankment with approved material					
— " — " —					
0.60		45.00	=		27.00 m².
(4/8) - Construction of subgrade and earthen Shoulder —					
— " — " —					
1		30.00	$\frac{(6.50+7.40)}{2}$	× 0.300	62.55 m³
1		20.00	$\frac{(6.50+7.40)}{2}$	× 0.300	41.70 m³
			Total qty =		104.25 m³
(5/9) - Construction of granular sub-base with coarse graded material — " — " —					

Continuation

B.T Portion

CH- 0 to 10 M

1 × 10.00 × $\frac{(3.00 + 4.40)}{2}$ × 0.200 = 13.40 m²

CH- 10 M to 1850 M

CH- 10 M to 1739 M

57 × 30.00 × 4.05 × 0.200 = 138.51 m²

1 × 19.00 × 4.05 × 0.200 = 15.39 m²

~~CH- 17.89 M to 00.00 M~~

culvert location of Pipe :-

1 × 30.00 × $\frac{(4.05 + 3.10)}{2}$ × 0.200 = 21.45 m²

1 × 14.00 × $\frac{(3.10 + 3.05)}{2}$ × 0.200 = 8.61 m²

CH- 1783 to 1850 M

2 × 30.00 × 4.05 × 0.200 = 48.60 m²

1 × 2.00 × 4.05 × 0.200 = 5.67 m²

CH- 1850 to 1855 M

1 × 5.00 × 4.05 × 0.200 = 4.05 m²

Continuation

P.C. & M.T

2 × 12 ×	80.00 × 0.625 ×	0.100	45.00 m³
Portable	Compartment		
1 × 10.00 ×	2.00 × 0.100		2.00 m³
1 × 5.00 ×	1.80 × 0.100		0.90 m³
1 × 8.00 ×	1.200 × 0.100		0.96 m³
1 × 3.00 ×	1.400 × 0.100		0.42 m³
1 × 8.00 ×	2.00 × 0.100		1.60 m³
1 × 15.00 ×	1.80 × 0.100		2.70 m³

Total Qty = 1555.85 m³

Previous payment = 1466.92 m³

This Bill Qty = 88.93 m³.

Item No (6/29) Earthwork in excavation for structure as per drawing = ab — ab — at CH = 10 M, 600 Q,

Excavn	2 × 6.400 ×	1.400 × 1.500	26.88 m³
Below kite -	1 × 5.300 ×	1.100 × 0.250	1.46 m³

Total Qty = 28.34 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7/31) Provn M-15, P.C.C (1:2:4) @ levelling course - do - do - Head wall					
	2	6.40	1.40	0.150	= 2.69 m³.
Below Pipe	1	5.30	1.130	0.250	= 1.50 m³
				Total.	4.19 m³.
(8/41) - Brick masonry work in C.M (1:4) in Head wall Complete as per drawing - do - do - Head wall					
	2	6.00	0.825	2.700	26.73 m³
Parapet	2	6.00	0.400	1.200	5.76 m³
less Pipe	2	0.786	0.830²	0.530	(-) 0.57 m³
				Total Qty:	31.92 m³.
(9/42) - Provn, laying R.C.C NP3 Pipe for culverts - do - do -					
	3	2.50	—		7.50M

05/08/21

JE AG

	No.	L.	B.	D.	Contents of area
Date of Entry - 04/09/2021.					
(1/98) Providing, laying, spreading, and compacting stone aggregate					
— CU BM — GI-3 - 06 —					
— 06 —		—	—	—	—
CH - 000	10 M				—
$1 \times 10.00 \times \frac{(9.00 + 4.40)}{2} \times 0.075$					$5.02 m^3$
					—
CH - 10M00	1850 M				—
10M00	1883 M				—
					—
					—
$52 \times 30.00 \times 3.75 \times 0.075$					$480.94 m^3$
$1 \times 19.00 \times 3.75 \times 0.075$					$5.34 m^3$
CH - 1739 TO 1783 M					—
					—
$1 \times 30.00 \times \frac{(4.05 + 3.10)}{2} \times 0.075$					$8.04 m^3$
					—
$1 \times 14.00 \times \frac{(3.10 + 3.05)}{2} \times 0.075$					$3.23 m^3$
					—
					—
CH - 1783 TO	1850 M	TO 1855 M			
$2 \times 30.00 \times 3.75 \times 0.075$					$16.87 m^3$
$1 \times 2.00 \times 3.75 \times 0.075$					$1.97 m^3$
$1 \times 5.00 \times 3.75 \times 0.075$					$1.41 m^3$
					—
P.C.C D.7					
$12 \times 30.00 \times 3.75 \times 0.075$					$101.25 m^3$

Continuation Total Qty = 624.07 m^3

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2 ×	3 ×	2.50	—	15.00 m.
(19/26)-	Direction and place indicating				
Signal	c/c do 0.9 m² size Board				
—	do —		do	—	
		1 × 1	—		2 Nos.
(15/29)-	Painting of face and				
their	maintenance for one				
year	← do		do	→	
93	× 1 =				93 Nos.
(16/28)-	Providing and fixing				
of typical	Mandatory Sign Board				
—	do —		do —		
	1 × 1	—			1 Nos.
(17/9)-	Circular - shape - have with				
Coated	graded material	—			
—	do —		do —		
In - B.T	P.T Of Road				
CH 1855	to 1905 M of Road				
1 × 30.00	× 4.05	× 0.200	-		24.30 m³
1 × 20.00	× 4.05	× 0.200	-		16.20 m³
			Total =		40.50 m³.

15/03/2022

JE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (1/10)	Providing, laying, spreading WBM - Gr-3 - do - do -				
	1	30.00	3.75	0.075	8.44 m³
	1	20.00	3.75	0.075	5.62 m³
				Total:	14.06 m³
(2/11) - Providing and applying prime coat - do - do -					
	1	30.00	3.75	—	112.50 m²
	1	20.00	3.75	—	75.00 m²
				Total =	187.50 m²
(3/12) - providing and applying Tacc- coat - do - do - same as prime coat area = 187.50 m²					
(4/13) - Providing, laying, and rolling close graded premix surface - do - do - same as prim coat are = 187.50 m².					
(5/14) - construction of unreinforced plain cement concrete - do - do -					
	4.40	3.75	x 0.150	—	2.64 m³
pre P.C.C pavged portion of Road - do - do -					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 × 30.00 × 3.75 × 0.100					11.25 m³
1 × 10.00 × 3.75 × 0.100					3.75 m³
			Total =		17.64 m²
(Item No) (6/22) Road Marking with Hot applied Thermoplastic Compound					
13 × 30.00 ×		0.100	—		39.00 m²
1 × 14.00 ×		0.100	—		1.40 m²
			Total =		40.40 m²
Both sides of Road					
2 × 40.40		—			80.80 m²
(7/8) - Construction of subgrade and earthen shoulders with approved material obtained from borrow pit — do — do —					
Road Shoulder :-					
CH- 0 to 1905 M (B.T P.T of Road).					
Both sides of Road shoulder					
2 × 62 × 30.00 × (1.3+1.5)/2 × 0.300					1562.40 ft³ 781.20 m³
2 × 1 × 30.00 × (0.5+0.6)/2 × 0.300					9.90 m³
2 × 1 × 15.00 × (0.4+0.5)/2 × 0.300					4.05 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
P.C.C P.7 Of Road					
Area 12 × 36.00 × (0.3+0.5)/2 × 0.160					23.04 m²
12 × 30.00 × (0.3+0.5)/2 × 0.160					23.04 m²
			Total =	1622.43 m³	
Item No (8/8) Earth work construction of embankment material obtained from borrow pit — do — do —					
P.C.C P.7 Of Road					
×					
CH - (M)	Area (Sq.m²)	Mean area	Distance (M)		Volume.
0	2.300	—	—		
50	2.634	2.467	50		123.35m³.
100	3.110	2.872	50		143.60m³
150	3.624	3.367	50		168.35m³.
200	3.660	3.642	50		182.10m³.
250	3.414	3.537	50		176.85m³.
300	2.550	2.982	50		149.10m³.
350	2.450	2.50	50		125.00m³
364	2.410	2.43	14		34.02m³
		Total Qty =			1102.37m³.
Deduction C.S.B =			(-)		53.58 m³
CVB19 - III =			(-)	10	1.25 m³
P.C.C =			(-)	233	.640 m³
Sub-Grades Roads =			(-)	536.	080 m³
Previous Qty =			(-)	644.	20 m³

Continuation

TKi Bill Qty = 23.62 m³.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/4) - Excavation for road way in soil with removal					
— mean — do — do —					
V. T. M. B. P. NO! - 14,		11.25 m²			
P. NO! - 30,		33.75 m²			
	Total =	45.00 m²			
@ Rs 74.16/m² —				Rs -	3337.20
(5/5) - Construction of embankment with approved material — do — do —					
V. T. M. B. P. NO! - 30,		27.00 m³			
@ Rs 55.57/m³ —				Rs -	1500.20
(6/6) - Construction of embankment with material obtained from borrow pit — do — do — for 1000 m lead — do — do —					
V. T. M. B. P. NO! - 04,		644.20 m²			
P. No - 46,		23.62 m²			
Total qty =		667.82 m²			
@ Rs 188.05/m³ —				Rs -	1,25,597.-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
V.T.M.P.	P. No:-				
	40 Nos.				
@ Rs 119.30/No	—			Rs-	4772=00
(37/41) - Brick masonary cm. in C:M (1:4) in Head cover Complete as per drawing -					
— do —	do	—			
V.T.M.P.	P. No:- 02,				
	59-33 m³				
P. No - 33,	31.92 m³				
	91.25 m³				
@ Rs 5662.53/m³	—			Rs-	5,16,706=00
(38/42) Prov^n & laying R.C.C NP 3 pipe for culverts - do —					
— do —					
V.T.M.P.	P.No - 33,				
	7.50 M				
@ Rs 1213.19/M	—			Rs-	9099=00
(39/43) - Prov^n & laying R.C.C NP 3 pipe for culverts - do — do —					
V.T.M.P	P.No - 09,				
	15.00 M				
@ Rs - 3632.88 /M	—			Rs-	54493=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(40/40) - Plastering with C.M.					
(1:2) on brick wall - do -					
— do —					
V.T.M.S. P.No:-09,			89.96 m²		
P.No-39			191.41 m²		
Total = 281.37 m².					
@ Rs 146.68/m² —— Rs - 41271 = 00					
(41/45) - Providing 1.5 mm cement					
punning including — do — do —					
V.T.M.S P.No:- 10,			27.84 m²		
P.No - 39,			34.68 m²		
Total =			62.52 m².		
@ Rs 45.49/m² —— Rs - 2844 =					
			Total Rs - 1,19,089 =		
Add 12% G.S.T			Rs = 14,28,480 =		
Add 1% Labour cess			Rs - 1,19,040 =		
			Total Rs = 1,34,51,519 =		
Add Service charge Rs = 2,44,962 =					

Continuation

Total Rs = 1,36,96,481 = 00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B/F =	1,86,	96,4	81 = 00.
Less. 1·31 % Cs per agg (-)			81,6	03 = 00
TW Bill Rs =		1,34,	34,	878 = 00
Payment on A/c (-)			89,	50,732 = 00
TW Bill Rs =		44,	84,1	46 = 00.
⑥				
21/03/2022				
J.E		A.E		

Material at site

				Amount
① Earth -	75	41·00 m³	34·78	2.6 2276=0
② Gr. S. B				
53 to 9·5 mm -		1018·64 m³	516·42	526,046=0
9·5 mm to 2·36 mm -		407·45 m³	411·53	1,67,678=0
Below 2·36 mm -		611·18 m³	150·80	92,166=00
③ Gr-3				
53 mm to 2·4 mm -		775·45 m³	458·22	3,55327=0
Stone screenings -		153·81 m³	345·52	53144=00
④ P.C.C				
Stone agg -		210·27 m³	528·14	111052=0
Sand -		105·13 m³	150·80	15854=0

Continuation