MMGSY अन्तर्गत Const. of Road From -L06 to T-02 (Rampur Harishankarpur) पक्की

Agreement No- 242/SBD/MMGSY-2021-22

Measurement Book

Schedule XLV-Form No. 134

Name of Agency:- Khyati Infrastructure

Const. cost:- 16378771:-
Maint. cost:- 2052170:-
Total:- 18430941:-

DIVISION
ARARIA

SUB-DIVISION
ARARIA

Date of Commence:- 07.02.2022
Date of Completion:- 06.02.2023

2648

Certified that this M.B. Containt. Page Sl. No- 01. (one) to 100 (one hundred) only & this M.B issued to Sri - Arvind Kumar Das. Assistant Engineer R.W.D.(W) Sub. Division, Araria

Executive Engineer
RWD Work Division
Araria

19/5/22

Sch, XLV-Form No. 134

ARARIA DIVISION

ARARIA SUB-DIVISION

Measurement Book

No. 2648

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

1st on A/c Bill

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road :- Construction of Road from L064 to T02 (Rampur - Haribhankarpur) in Aaria Block U/MMGSY					
Agency :- Khyati Infrastructure, At. Ashram Road, Aaria, Dist- Aaria					
Agreement no - 242/SBD/MMGSY-2021-22					
Date of comm - 07/02/2022					
Date of comp - 06/02/2023.					
Measurement					
1) P/V & fixing of working benchmark					
	1	X 2.00 Km	—		= 2.00 Km
2) clearing and grubbing road land					
	1	X 5 X 10.00	X 3.50	=	175.00 M²
	1	X 5 X 20.00	X 3.50	=	350.00 ..
	1	X 8 X 30.00	X 3.50	=	840.00 ..
	1	X 4 X 15.00	X 3.50	=	210.00 ..
	1	X 13 X 30.00	X 3.50	=	1365.00 ..
	1	X 6 X 5.00	X 3.50	=	105.00 ..
	1	X 15 X 30.00	X 3.50	=	1575.00 ..
	1	X 9 X 30.00	X 3.50	=	945.00 ..
	1	X 4 X 25.00	X 3.50	=	350.00 ..
	1	X 7 X 30.00	X 3.50	=	735.00 ..

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1x3x	30.00x	3.50	=	315.00 m²
	1x2x	5.00x	3.50	=	35.00 ..
				Total=	7000.00 m²
	Qty =	7000.00	/10,000	=	0.700 Ha.
3) Construction of GSB Gr-I well graded					
	1x2x	8.00x	$\frac{(5.50+4.05)}{2}$	x0.20=	16.88 m³
	1x4x	30.00x	4.05x	0.20=	97.20 ..
	1x5x	10.00x	4.05x	0.20=	40.50 ..
	1x6x	5.00x	4.05x	0.20=	24.30 ..
	1x10x	30.00x	4.05x	0.20=	243.00 ..
	1x2x	7.00x	$\frac{(5.50+4.05+5.00)}{3}$	x0.20=	14.04 ..
	1x4x	20.00x	4.05x	0.20=	64.80 ..
	1x5x	10.00x	4.05x	0.20=	40.50 ..
	1x7x	30.00x	4.05x	0.20=	170.10 ..
	1x2x	5.00x	$\frac{(5.50+4.05+5.00)}{3}$	x0.20=	10.03 ..
	1x2x	10.00x	4.05x	0.20=	16.20 ..
	1x6x	30.00x	4.05x	0.20=	145.80 ..
				Total=	883.35 m³

8/11/22 AE

8/11/22 JE

Measurement-

1) Construction of Subgrade RE/Shoulder

Subgrade In BT Portion	1x7x	30.00x	$\frac{(7.00+8.00)}{2}$	x0.30=	472.50 m³
	1x4x	10.00x	$\frac{(6.50+7.50)}{2}$	x0.30=	84.00 ..
	1x10x	30.00x	$\frac{(7.20+8.40)}{2}$	x0.30=	702.00 ..
	1x5x	10.00x	$\frac{(7.00+8.00)}{2}$	x0.30=	112.50 ..
	1x4x	5.00x	$\frac{(6.50+7.50)}{2}$	x0.30=	42.00 ..

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1X8X	30.00 x	(7.20+18.4)/2	x0.30 =	561.50 m³
	1X7X	30.00 x	(7.20+18.4)/2	x0.30 =	491.40 "
	1X2X	5.00 x	(7.20+18.4)/2	x0.30 =	22.50 "
				Total =	2488.40 m³.

2) Construction of embankment with material obtained from borrow pits.

Sl.No.	Ch (m)	Dist (m)	Fill Area (m²)	Fill mean Area (m²)	Fill volume (m³)
01.	0	0	2.251	–	–
02.	50	50	0.219	1.235	61.750
03.	100	50	0.896	0.558	27.875
04.	150	50	1.527	1.212	60.575
05.	200	50	0.949	1.238	61.900
06.	250	50	0.178	0.564	28.125
07.	300	50	1.439	0.809	40.425
08.	350	50	2.531	1.985	99.250
09.	400	50	1.293	1.912	95.600
10.	450	50	3.195	2.244	112.200
11.	500	50	1.142	2.169	108.425
12.	550	50	1.440	1.291	64.550
13.	600	50	2.165	1.803	90.125
14.	650	50	3.232	2.699	134.925
15.	700	50	2.222	2.727	136.350
16.	750	50	1.433	1.828	91.375
17.	800	50	1.461	1.447	72.350
18.	850	50	2.249	1.855	92.750
19.	900	50	2.011	2.130	106.500
20.	940	40	1.842	1.927	77.060

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Link Road ①					
01.	0	0	0.726	—	—
02.	50	50	0.879	0.803	40.125
03.	100	50	0.611	0.745	37.250
04.	150	50	1.454	1.033	51.625
05.	200	50	2.457	1.956	97.775
06.	225	55	0.130	1.294	71.143
Link Road ②					
01.	0	0	1.251	0.626	—
02.	50	50	0.219	0.735	36.750
03.	100	50	0.896	0.558	27.875
04.	150	50	0.527	0.712	35.575
05.	200	50	0.949	0.738	36.900
06.	250	50	0.718	0.564	28.175
07.	300	50	0.439	0.309	15.425
08.	350	50	1.531	0.985	49.250
09.	400	50	0.293	0.912	45.600
10.	450	50	1.195	0.744	37.200
11.	500	50	0.142	0.669	33.425
12.	550	50	0.440	0.291	14.550
13.	576	26	1.165	0.803	20.865
				Total	2241.668 m³
I) For 1000 m Lead @40% of 2241.668 m³					896.66 m³
II) For 100 m Lead @60% of 2241.668 m³ =					1345.00 m³.

22/12/22

22/12/22

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST				
1/1)	Div & fixing of working benchmark				
	as vide P.① TMB = 2.00 Km				
	@ 36042.92/Km =				72086.00
2/2)	Clearing & grubbing Road Land.				
	as vide ② TMB = 0.780 Ha				
	@ 52970.33/Ha =				37079.00
3/7)	Constr. of embankment - for 100 m lead				
	as vide P.④ TMB 896.66 m³				
	@ 190.57/m³ =				170876.00
4/8)	for 100 m lead.				
	as vide P.④ TMB = 1345.00 m³				
	@ 149.080/m³ =				200513.00
5/9)	Construction of Subgrade & E/Shoulder				
	as vide P③ TMB 2488.40 m³				
	@ 192.250/m³ =				478395.00
6/10)	Construction of GSB Gr. I well graded				
	as vide P② TMB = 883.35 m³				
	@ 3002.850/m³ =				2652477.00
				Total =	3611426.00
	Add GST @ 12%.			= (+)	433371.00
	Add Cess @ 1%.			= (+)	36114.00
	Add S/Feeder vide P⑥ TMB =			(+)	72448.00
				Total =	4153359.00
	Less below @ 4.50% 4.05%.			= (−)	186901.00
				Net =	3966458.00

Continuation

22/12/22 JE

22/12/22 JE