Head MMGSY TOL To Nimhara.

Schedule XLV-Form No. 134

Shergheti DIVISION

Abhimanyu Kumar SUB-DIVISION

1507

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 No.	L.	B.	D.	Contents of area
	1st on Record Measurment				
Name of the Work! - Const of Road from Tol to Nimhara under MMUSY scheme.					
Aggrement No: LL S.B.D-2024-25					
Agency: Abhimanyu Kumar Biraj Saliya Kothi Gaya					
dt of Comm:- 18-10-2024					
dt of Compl:- 18-10-2024					
dt of entry: 12/03/25,					
	×				
item No(1) Setting out Construction of Reference & along B.M					
	1	0.823KM	—		= 0.823K.M
				TOTAL	= 0.823K.M.
item No(2) Construction of Reference pillars Burjes.					
	1	0.823KM	—		= 0.823K.M.
				TOTAL	= 0.823K.M
item No(3) Clearing and grubbing Road Land including - - - -					
	2×				
T.C	1×8	30.0	8.0 (Av.)	—	= 1920.0 Sq-
	1×	15.0	8.0 (Av.)	—	= 120.0 "
					C.O = 2040.0 Sq-

12.3.25

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B1=		2040.0 sq.
	10×2	30.0	~~1.20~~ ~~3.80~~ /2	1.60 (Av.) —	= ~~5400.0~~ 760.0
	9×1	30.0	7.50 (Av.) =		= 2025.0 "
	1×2	18.0	(1.50+0.20)/2 =		79.20 "
				Total =	5104.20
			Say 0.51 HC.		
item No (28)	E/W in excavation for structures.				
	(in 1000mm dia H.P.)				
H.W	2×2	6.30	1.40	1.50	= 52.92 Cum
Pipe portion	2×1	5.90	1.50	0.30	= 5.31 "
					58.23 Cum
T.C [illegible] 25/02/25					
item No (30)	Providing Concrete for plain/Reinforced Concrete in open foundations -- P.C.C M15				
D/H.W —	2×1	6.30	1.40	0.15	= 5.30 Cum
				Total =	5.30 Cum
	[illegible] 25/02/25 J.E				

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Item No(31) Providing Concrete in open foundation.				for plain/Reinf	- P.C.C M20
H.W	2x9	6.0	$\frac{1.25+0.80}{2}$	x1.35	= 33.21 Cum
Bel pile	2x1	5.90	1.50	0.25	= 4.42 "
				Total=	37.63 Cum
Item No(35, 36) Providing & Laying R.C.C pipe NP3 for culverts. . . 1000mm dia.					
	2x3	2.50 Rm			= 15.0 Rm
				Total=	15.0 Rm
Item No(38) Filling in foundation Trenches ...					
F/H —	2x2	6.0	$\frac{0.0+0.85}{2}$	x1.0	= 10.20 Cum
pipe	2x1	6.30	1.50	x 1.0	= 18.90 "
ded for pile	2x1	6.30	$\frac{3.14\times1.2^2}{4}$	x1.00	= (-) 12.81 Cum
				Total=	16.29 Cum
				Add to	15.28 Cum
Item No(21) Providing & fixing of typical foundation bond with logo ...					
	1x2 Nos				= 2 Nos
				Total=	2 Nos

04/03/25 AE

02/03/25 J.E

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
item No(3/4) Plain/Reinforced Cement Concrete in Substructures....					
in P/col -	2x2	6.0	(0.67+0.40)/2	x	1.80 = 23.11 Cum
ded. for pile	2x2	~~6.0~~	3.14/4 x (1.20)² x 0.60		= (-) 2.21 "
Parapet	2x2	6.0	0.40	0.60	= 5.76 "
				Total =	26.13 Cum.
(Pd 07/3/18 AC					
item No(4) Excavation for Road work in soil Embankment with Approved hydraulic... Cutting Both sides of P.C.C 270.0 to 828.0 M					
	2x11	30.0	0.475	0.175	= 54.86 Cum
T.C (Pd 07/3/18	1x7	30.0	0.95	0.175	= 34.91 "
	2x1	18.0	0.475	0.175	= 2.99 "
				Total =	92.76 Cum
Item No(5) &(6) Construction of Embankment with Approved Soil ... (As per graph)					
Chainage	C/S	Av. C/S	-	Length	Qty
0	0	0		—	—
50.0	0	0		50.0	—
100.0	5.74	2.87		50.0	143.50 Cum
150.0	5.52	5.63		50.0	281.50 "
200.0	5.46	5.49		50.0	274.50 "
250.0	4.52	4.99		50.0	249.00 "
300.0	0	2.26		50.0	113.00 "

Continuation C.O - ~~1058.00~~ Cum 1062.0

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Chainage	C/s	Av. C/s	—	Lights	~~Safety~~
				B.F =	1062.0 ~~1058.0~~ Cum.
350.0	0.0	0.0		50.0	0.0 "
400.0	0.0	0.0		50.0	0.0 "
450.0	0.0	0.0		50.0	0.0 "
500.0	0.0	0.0		50.0	0.0 "
550.0	0.0	0.0		50.0	0.0 "
600.0	5.68	2.84		50.0	142.0 Cum.
650.0	5.84	5.76		50.0	288.0 "
700.0	5.78	5.81		50.0	290.50 "
750.0	0	2.89		50.0	144.50 "
800.0	0	0		50.0	0.0 "
843.0	0	0		43.0	0.0 "
			Total =		1927.0 Cum
			Add to		1925.50 Cum.
(a) for 100.0M lead. - taking 70% Qty					
=	1925.50 × 0.70			=	1447.85 Cum
(b) for 1000.0 M Lead Qty. taking 30% Qty					
=	1925.00 × 0.30			=	577.65 Cum

05/08/15
J.E

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
~~Item No(37)~~					
Item No(37)	Laying cement concrete pipe NP3 for on first-class bedding ----				
for Cable duct					
	4x3	2.50	—	=	30.0 Rm
	1x4	2.50	—	=	10.0 Rm
			Total =		40.0 Rm
Item No(7)	Construction of Subgrade & earthen shoulders ---				
to 278.0 m	7x1	30.0	(8.30+7.70)/2	x 0.30	= 504.0 Cum
.C					
C[illegible] 10/03/25	2x1	30.0	(8.30+7.30)/2	x 0.30	= 144.0
570 to 660	2x1	30.0	(3.0+3.20)/2	x 0.30	= 55.80 "
inside portion)	1x1	20.0	(3.0+3.20)/2	x (0.30+0.20)/2	= 15.50 "
			Total =		719.30 Cum
		[illegible] 10/3/25 J.E			
item No(8)	Construction of granular Sub base by providing well graded ---				
0 to 268.0	8x1	30.0	4.05	0.20	= 194.40 Cum
(B.T portion)	1x1	28.0	4.05	0.20	= 22.68 "
P.C.C portion	2x11	30.0	0.475	0.10	= 31.35 "
(270 to 828.0 m)	1x7	30.0	0.95	0.10	= 19.95 "
	2x1 x 18.0 x 0.475 x 0.10				= 1.71 "
J.E [illegible] 10/3/25		Continuation C.O			270.09 Cum

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Particulars	No.	L.	B.	D.	Contents of area
				B.F =	220.09 Cum
	2x1	15 x	0.475+2.05 / 2	x 0.10 =	3.78 "
				Totl =	273.87 Cum
				Say	273.01 Cum.
		15-03-25 J.E			
Item No (9) Providing & Laying Spreading and Compacting stone Metal Gr III.					
0 to 268.0 (I)	8x1	30.0	3.75	0.075	= 67.50 Cum
part	1x1	28.0	3.75	0.075	= 7.87 "
on P.C.C. gutter	2x11	30.0	0.475	0.075	= 23.51 "
Ditch 268.0 to 843.0 m	1x7	30.0	0.95	0.075	= 14.96 "
	2x1	18.0	0.475	0.075	= 1.28 "
	2x1	10.0	0.475+2.05 / 2	x 0.075	= 2.84 "
T.C 20/03/25				Totl =	117.96 Cum
				Say	116.58 Cum
		20/3/25 J.E			

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Item No (13) Construction of un Reinforced Cement Concrete Pavement - - - -					
Ch. 268·0 to 270·0	1×2	2·0	~~0+3·75~~ → 5·35	0+0·16 / 2	= 0·60 Cum
270·0 to 320	1×1	(30·0+20·0)	×3·75	×0·16	= 30·0 "
320·0 to 360·0	1×1	×(30·0+40·0)	×4·60+3·60 / 2	×0·16	= 26·24 "
360·0 to 370·0	1×1	10·0	3·60	0·16	= 5·76 "
370·0 to 400·0	1×1	30·0	3·60+4·10+3·60 / 3	×0·16	= 18·08 "
400·0 to 490·0	3×1	30·0	3·75	0·16	= 54·0 "
490·0 to 540·0	1×1	10·0	3·25+3·50 / 2	×0·16	= 5·80 "
	1×1	30·0	3·50	0·16	= 16·80 "
	1×1	10·0	3·50+3·80 / 2	×0·16	= 5·84 "
540·0 to 600·0	2×1	30·0	3·80+3·60 / 2	×0·16	= 35·52 "
600 to 780·0	6×1	30·0	3·25	0·16	= 108·0 "
780·0 to 790·0	1×1	10·0	3·25+4·0+3·60 / 3	×0·16	= 6·05 "
790·0 to 820·0	1×1	30·0	3·60+4·50 / 2	×0·16	= 19·44 "
820·0 to 843·0	1×1	13·0	4·50+5·80 / 2	×0·16	= 10·71 "
				Total =	342.84

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
item No (1) setting out					
Qty vide the M.B page No ①					
0.823 KM @ Rs 5513.48/KM					— Rs 4538=00
Item No (2) Construction of Reference pillars					
Burjies					
Qty vide the M.B page No ①					
0.823 KM @ Rs 3611.18/KM					— Rs 2972=00
Item No (3) clearing & grubbing of Road land					
including uprooting . . .					
Qty vide the M.B page No ① & ②					
0.5104 HC @ Rs 76926.08/HC					— Rs 39263=00
Item No (4) Excavation for Roadwork.					
in Soil with hydraulic - - - -					
Qty vide the M.B page No ④					
92.76 Cum @ Rs 104.01/Cum					— Rs 9648=00
Item No (5) Construction of Embankment with					
Approved Material . . . upto 1000 m lead					
Qty vide the M.B page No ④ & ⑤					
577.65 Cum @ Rs 259.69/Cum					— Rs 1,50,010=00
Item No (6) Construction of Embankment with Approved Material — upto 100.0 m lead					
Qty vide the M.B page No ④ & ⑤					
1447.85 Cum @ Rs 211.53/Cum					— Rs 3,06,264=00

C.O Rs 5,12,695=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F = Rs 5,12,695=00					
Item No (7) Construction of Subgrade with Approved Material - - -					
Qty vide this M.B page No (6)					
719.30 Cum @ Rs 263.23/Cum					Rs 1,89,341=00
Item No (8) Construction of granular Sub base by providing well graded...					
Qty vide this M.B page No (6) & (7)					
273.01 Cum @ Rs 2300.49/Cum					Rs 6,28,052=00
Item No (9) Providing laying spreading & Compacting Stone Metal Gr III -					
Qty vide this M.B page No (7)					
116.58 Cum @ Rs 3462.81/Cum					Rs 4,03,694=00
Item No (13) Construction of unReinforced dowel jointed at Cement Concrete ...					
Qty vide this M.B page No (8)					
341.50 Cum @ Rs 7314.74/Cum					24,97,984=00
Item No (21) Providing & fixing of PHWY Information board ...					
Qty vide this M.B page No (3)					
2 Nos @ Rs 11266.70/Nos					Rs 22,533=00

C.O Rs 4254304=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F = Rs					4254304=00
Item No (28) E/W in excavation first.					
Qty vide the M.B page No (2)					
58.23 Cum @ Rs 405.83/Cum — Rs					23631=00
Item No (30) Providing Concrete for plain					
Reinforced Cement Concrete...					
Qty vide the M.B page No (22) (30) (8)					
Qty vide the M.B page No					
341.50 Cum @ Rs					
Item No (30) Providing Concrete for plain					
Reinforced Cement Concrete H_{15} -					
Qty vide the M.B page No (2)					
5.30 Cum @ Rs 5738.30/Cum — Rs					30413=00
Item No (31) Providing Concrete for plain					
Reinforced Concrete in open foundation.					
P.C.C H_{10}.					
Qty vide the M.B page No (3)					
37.63 Cum @ Rs 6245.20/Cum — Rs					2,35,004=00
Item No (32) Plain/Reinforced Cement					
Concrete in Sub structure Complete...					
Qty vide the M.B page No (4)					
26.13 Cum Ltd to 26.08 Cum @ Rs					
6541.57/Cum — Rs					1,70,604=00

C.O Rs 47,13,959=00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.f. Rs	4713959=00
Item (35) Providing & laying R.C.C pipe NP3 for culverts in first class...					
(36) 1000mm dia pipe..					
Qty vide the M.B pre No (3)					
15.0 Rm @ Rs 4005.96/Rm				Rs	60089=00
Item (37) Laying cement concrete pipe NP3... 300mm dia...					
Qty vide the M.B pre No (1)					
40.0 Rm @ Rs 897.62/Rm					35905=00
Item No (38) Filling in foundation trenches					
Qty vide the M.B pre No (3)					
15.28 Cum @ Rs 578.66/Cum				Rs	8842=00
			Total		Rs 4818795=00
Add 18% G.S.T (+)					Rs 8,67,383=00
Add 1% L.cess (+)					Rs 48188=00
Add. Seigniorage (+)					Rs 58382=00
			G.Total		Rs 57,92,748=00
[signature] 03.04.25 J.E		[signature] 05/04/25			

Continuation