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 Work - Construction					
of Road from Soz Manai					
tola to Khilahi tola under					
MMGSY (NDB - Bricks)					
Name of Agency - Amarnath Jha					
Date of Agreement - 06.01.2021					
Agreement No - 835BD/2020-21					
Agreement Amount -					
Date of Completion as					
per Agreement - : 05.01.2022					
"Measurement with work done date wise"					
Item No-01 Clearing and Grubbing					
Road land by Manual means					
Including uprooting wild vegetation					
Grass Bushes, shrubs etc. do					
do all complete job as per					
E/L					
CH - 0 to 120M - Village portion					
	30M x 3.0M (AV) =				90M²
	30M x 3.10M (AV) =				93M²
	30M x 3.20M (AV) =				96M²
	30M x 3.40M (AV) =				102M²

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH- 120M to 450M Open Area.					
	30M × 3.60M (AV)				108M²
	30M × 3.50M (AV)				105M²
	30M × 3.80M (AV)				114M²
	30M × $\frac{(3.50+3.80)}{2}$				109.50M²
	30M × 3.50M (AV) =				105M²
	30M × 3.80M (AV) =				114M²
	30M × 3.60M (AV) =				108M²
	30M × 3.80M (AV) =				114M²
	30M × 3.80M (AV) =				114M²
	30M × 3.60M (AV) =				108M²
	30M × 3.50M (AV) =				105M²
CH- 450 to 680M-					
	30M × 2.50M (AV)				75M²
	30M × 3.0M (AV) =				90M²
	30M × 2.80M (AV) =				84M²
	30M × 3.0M (AV) =				90M²
	30M × 3.20M (AV) =				96M²
	30M × 3.10M (AV) =				93M²
	30M × 3.0M (AV) =				90M²
	20M × 3.50M (AV) =				70M²
					2273.50M²
					0.227 hectare
		20/11/2021 J.E			20/11/21 AE

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No-02	Providing and fixing				
of Bench	Mark pillar @ one				
KM as	per drawing and				
direction of	E/E				
	1 Nos				
Item No-03	setting out pillar of				
Refrence	Mark pillar @ 4 Nos				per
KM as per	drawing given and				
direction of	E/E				
	4 Nos				
		Recorded 28/11/2021 J.E			Bhatki 28/11/21 AE
	(C.D work)				
Item No-04	Earth work excavation				
for C.D	work hume	pipe			
culvert	do. do	as	complete		
job as	per	E/E			
at CH-280M	- 1 Nos				
and CH-380M	- 1 Nos				= 2 Nos
2 Nos ×	2 ×	4.15M ×	1.40	× 1.45M	= 33.69 m³
Bedding 2 Nos ×	1 ×	5.78 ×	1.07	× 0.25M	= 3.09 m³
					36.78 m³
		Recorded 30/11/2021 J.E			Bhatki 30/11/21 AE

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No-05 Providing and filling in Bedding in pipe local sand do. do all complete job of per E/I					
2 Nos × 5.78 × 1.07 × 0.55 M (Avg) = 6.80 M³					
deduction pipe					
2 Nos × 5.78 M × 0.785 × (0.60)² = -3.26 M³					
					3.54 M³
		Pradeep 30/11/2021		Bharti 30/11/21 AE	

Item No-06 Providing P.C.C M150 with nominal mix (1:2:4:4) in open foundation of C.D work do. do all complete job of per E/I					
2 Nos × 2 × 3.85 M × 1.40 M × 0.15 M = 3.23 M³					
		Pradeep 01/12/2021 J.E		Bharti 01/12/21 AE	

Item No-07 Providing Brick Masonry wall work in C.M (1:4) with approved quality of Materials do. do all complete job of					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Co of area
	No.	L.	B.	D.	
Per E/I					
Brick work upto G.L					
Head wall- 2NOS X 2 X 3.85M X $\left(\frac{1.250+0.840}{2}\right)$ X 1.30M =					20.92M³ — (A)
Item No-08 Providing and laying RCC NP2 hume pipe dia of pipe 600mm with approved quality of Materials. do. do all Complete Job as per E/I					
600mmφ	2NOS X 3NOS X 2.50M =				15M
		Pooja 02/12/2021 JE			Shashi 02/12/21 AE
Item No-09 Providing Brick Masonry of head wall C.D Culvert hume pipe with approved quality of Material. do. do all complete Job as per E/I					
upto G.L to R.L level 2NOS X 2 X 3.85M X $\left(\frac{0.840+0.40}{2}\right)$ X 0.60M = 5.72m³					
Parapet wall - 2NOS X 2 X 3.85 X 0.40 X 0.60M = 3.69 M³					
deduction pipe 0 (-ve)					
2NOS X 2NOS X 0.785 X $(0.600)^2$ X 0.62M = -1.24M³					8.17 M³ — (B)

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Item No-10 Providing 15mm thick Cement Mortar plaster work In C.M (1:4) With Clean sand do. do all complete job as per E/L					
Wall 2 x 4 Nos x 3.85 x 1.0M (AV) =					30.80 m²
Parapet face wall- 2 x 4 Nos x 0.40 M x 0.50 M =					1.60 m²
parapet Top wall- 2 x 2 Nos x 3.85 M x 0.40 M =					6.16 m²
head wall Bottom- 2 x 2 x 3.85 m x 0.60 M =					9.24 m²
deduction pipe - 2 Nos x 2 Nos x 0.785 x (0.80)² =					-2.009 m²
					45.79 m²
	Recorded 5/12/20 JE			Checked 5/12/21 AE	
Item No-11 excavation for Road work in soil with hydralic excavator of 0.9 cum bucket capacity including cutting and loading in tipper do do all complete job as per E/L					
CH - 0 to 1.20 M					
	2 x 30 M x 0.625 x 0.10 M =				3.75 m³
	2 x 30 M x 0.625 M x 0.10 M				3.75 m³
	2 x 30 M x 0.60 M x 0.10 M				3.60 m³
	2 x 30 M x 0.50 M x 0.10 M				3.0 m³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
CH- 120M to 150m	No.	L.	B.	D.	
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M	3.75m³
	2 x	30M x	0.625M x	0.10m	3.75m³
	2 x	30M x	0.625M x	0.10M (AV) =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10m =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M =	3.75m³
	2 x	30M x	0.625M x	0.10M =	55.35m³

Recd 10/12/21 JE

Shatru 10/12/21 AE

ITEM NO - 12 Construction of Road embankment with material obtained from borrow pits with a lift and load transporting to site spreading grading to Required slope and compacting ..do do all complete job as per E/L

CH-0 to 120M			Mean Area.	
	30M x	2.35M² (AV) =		70.50m³
	30M x	2.37M² (AV) =		71.10m³
	30M x	2.40M (AV)		72.0m³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	30M x	2.50 m² (AV) =			75.0 m³
CH-100 to 450	30M x	2.56 m² (AV) =			76.80 m³
	30M x	2.60 m² (AV) =			78.0 m³
	30M x	2.64 m² (AV) =			79.20 m³
	30M x	2.69 m² (AV) =			80.70 m³
	30M x	2.69 m² (AV) =			80.70 m³
	30M x	2.40 m² (AV) =			72.0 m³
	30M x	2.40 m² (AV) =			72.0 m³
	30M x	2.30 m² (AV) =			69 m³
	30M x	2.30 m² (AV) =			69 m³
	30M x	2.38 m² (AV) =			71.40 m³
	30M x	2.60 m² (AV) =			78 m³
CH-450 to 710 m	30M x	2.75 m² (AV) =			55 m³
	30M x	2.10 m² (AV) =			63 m³
	30M x	1.20 m² (AV) =			36 m³
	30M x	1.8 m² (AV) =			54 m³
	30M x	1.40 m² (AV) =			42 m³
	30M x	1.20 m² (AV) =			36 m³
	30M x	1.0 m² (AV) =			30 m³
	30M x	1.10 m² (AV) =			33.0 m³
	30M x	0.785 m² (AV)			23.55 m³
	Taken Qty E/W -				1487.95 m³
① Taken Qty of E/W = 1487.95 x 80%					
		= 1190.36 m³			
② lead up to 100 m —		1190.36 x 70% = 833.25 m³			

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(b) lead upto =	1000 M -	119	0.36 M²	x 0.30 M	= 357.10 M³
			12/12/2021 JE		12/12/21 AE
Item No - 13	providing and laying granular sub base by well graded material spreading in uniform layers with Tractor mounted grader - do - do all complete job as per E/L				
=> patch pothen in Road surface existing Brick soling damage portion. → :					
	3 NOS x 1.20 M x	1.50 M x 0.10 M			= 0.54 M³
	4 NOS x 2.10 M x	1.30 M (A) x 0.10 M			= 1.09 M³
	9 NOS x 1.10 M x	1.50 M x 0.10 M			= 1.48 M³
	6 NOS x 0.95 M x	1.40 M (A) x 0.10 M			= 0.79 M³
	7 NOS x 2.10 M x	1.75 M x 0.10 M			= 2.57 M³
	5 NOS x 1.25 M x	1.85 M x 0.10 M			= 1.15 M³
"widening for G.S.B on Brick soling Road"					
	2 x 30 M x	0.625 M x 0.10 M			= 3.75 M³
	2 x 30 M x	0.625 M x 0.10 M			= 3.75 M³
	2 x 30 M x	0.600 M x 0.10 M			= 3.60 M³
	2 x 30 M x	0.500 M x 0.10 M			= 3.0 M³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 30	M x 0.625M x	0.10M (AW)		= 3.75 m³
	2 x 30	M x 0.625M x	0.10M		= 3.75 m³
	2 x 30	M x 0.625M x	0.10M		3.75 m³
	2 x 30	M x 0.625M x	0.10M		3.75 m³
	2 x 30	M x 0.625M x	0.10M		3.75 m³
	2 x 30M	x 0.625M x	0.10M =		3.75 m³
	2 x 30M	x 0.625M x	0.10M =		3.75 m³
	2 x 30M	x 0.625M x	0.10M =		3.75 m³
	2 x 30M	x 0.625M x	0.10M =		3.75 m³
	2 x 30M	x 0.625M x	0.10M =		3.75 m³
	2 x 30M	x 0.625M x	0.10M		3.75 m³

" Full width surface on L.S.B

4.05 to 4.50

30M x	4.05M x	0.10M (AW)		= 12.15 m³
30M x	$\left(\frac{4.05+4}{2}\right)$ x	0.10M =		12.07 m³
30M x	$\left(\frac{4+4.10}{2}\right)$ x	0.10M		= 12.15 m³
30M x	$\left(\frac{4.10+4.05}{2}\right)$ x	0.10m		12.22 m³
30M x	$\left(\frac{4.05+4}{2}\right)$ x	0.10M		12.07 m³
30M x	$\left(\frac{4+3.95}{2}\right)$ x	0.10M		11.92 m³
30M x	$\left(\frac{3.95+4.10}{2}\right)$ x	0.10M		= 12.07 m³
30M x	$\left(\frac{4.10+4}{2}\right)$ x	0.10M =		12.15 m³
30M x	$\left(\frac{4+4.05}{2}\right)$ x	0.10M		12.07 m³
30M x	$\left(\frac{4.05+4}{2}\right)$ x	0.10M		= 12.07 m³
30M x	$\left(\frac{4+4.05}{2}\right)$ x	0.10m		= 12.07 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	30 M	$\times \left(\frac{4.05+4}{2}\right)$		$\times 0.10$ M	$= 12.07 m^3$
	30 m	$\times \left(\frac{4+4.10}{2}\right)$		$\times 0.10$ m	$= 12.15 m^3$
	30 m	$\times \left(\frac{4.10+4.05}{2}\right)$		$\times 0.10$ M	(A) $= 12.22 m^3$
	30 M	$\times \left(\frac{4.05+4}{2}\right)$		$\times 0.10$ M	(A) $= 12.07 m^3$
				0.14	$244.49 m^3$
		Rohit 20/12/2021 JE			Shakti 20/12/21 AE

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"ABSTRACT OF COST"

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
NAME OF WORK - CONSTRUCTION OF Road from S037 Mathai tola to Khilaha tola under MMGSY (NDR BRICKS)					
NAME OF Agency - Amarnath Jha					
Date of Agreement - 06.01.2021					
Agreement No - 83SBD/2020-21					
Agreement Amount Rs -					
Date of completion as per Agreement - 05.01.2022					
Measurement date/ENTRY - 20.12.2021					
ITEM NO. 01 Clearing and Grubbing Road land by Manual means including uprooting wild vegetation grass Bushes, shrubs etc. do. do all complete job as per E/L					
B/F Page No - (2)					
	0.227 hectare @ 52970.33/ha = 12,024=00				
ITEM NO. 02 Providing and fixing of Bench Mark pillar one Nos @ per km as per drawing and direction of E/L					
B/F Page No - (3)					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1 Nos @	4099.59/Nos			4100=00
Item No-03	Providing setting out				
Reference pillar @ 4 Nos per					
KM as per drawing and					
direction of E/E.					
B/F page No-③					
	4 Nos @	1895.49/Nos			7582=00
Item No-04	Earth work excavation				
for C.D work in hume pipe					
Culvert . do . . do all complete					
Job as per E/L					
B/F page No-③					
	36.78 M^3 @	279.09/M^3			10,265=00
Item No-05	Providing and filling				
in culvert bedding in local sand					
do . well compacted with approved					
materials . do . do all complete					
Job as per E/L					
B/F page No- ④					
	3.54 M^3 @	493.78/M^3			1748=00
Item No-06	Providing P.C.C M150				
with nominal mix (1:2:4:5) in					
open foundation of culvert do.					
do . all complete job as per E/L					
B/F page No-④					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	3.23 M^3 @ Rs 5925.79/M^3				19140=00
Item No. 07	Providing Brick				
Masonery	Wall	Work In			
Cement Mortar	In C.M (1:4)				
In Super	Structure	Wall. do. do			
all complete	Job	as	Per	E/I	
B/F page No- (5) +					
(20.92+	8.17)	M^3 =	29.09	M^3	
Limit Qty	28.04	M^3 @	5942.97/M^3		1,66,641=00
Item No-08	providing	and	laying		
R.C.C	Pipe	NP2	For	Culvert	
600mm dia					
On First	Class	bedding	of		
Granular	Materials.	do. do	all		
Complete	Job	as	Per	E/I	
B/F page No-	(5)				
	15M @	2631.51/Mtr			39,473=00
Item No-09	Providing	15mm thick			
Cement	plaster	Work	In	C.M	
(1:4)	With	Clean	Sand	. do. do	
all	complete	Job	as	Per	E/I
B/F page No-	(6)				
	45.79 M^2 @	182.59/M^2			8361=00
Item No-10	Construction	of	Road		
Embankment	With	Materials			
Obetained	from	Borrowpits	With		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
a. Lift and load transporting to site spreading to grading required slope compacting. do do. all complete job as per E/L					
B/F Page No - 8 and 9					
(a) load upto 100m -			(P) 833.25 M³	1191.26 M³	
			(R) ~~190.07/m³~~	154.28/m³	1,28,554=00
(b) load upto 10 km -					
	357.10 M³		(R) 190.07/M³		67,874=00
Item No-11 Excavation for Road work in soil with hydrolic excavator of 0.9 cum bucket capacity including cutting and loading. do. do all complete job as per E/L					
B/F Page No - 7					
	55.35 M³		(R) 75.57/M³		4183=00
Item No-12 providing and rolling Granular sub base (G.S.B) - I Materials by well graded materials spreading in uniform layers with Tractor mounted grader. do					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
do all complete job as per E/I					
B/F page No - (11)					
	244.49 M³ @ 3201.19/M³				7,82,659=00
Item No-13 Providing and fixing logo of MMRDA project Board as per MORD specification and drawing. do. do all complete job as per E/I					
(a) Fixing logo of MMRDA project					
	1 Nos @ 9671.56/Nos				9672=00
(b) Citizen Information Board -					
	1 Nos @ 9671.56/Nos				9672=00
					Rs 12,71,948=00
Add G.S.T 12%.					1,52,634=00
Add L.C 1%.					12,719=48
					~~14,37,301=~~
(-10) As per Agreement 10	5.52%				-79,339=00
Material statement :-					Rs 13,57,902=00
(1) Stone metal -	146.69 m³				
(2) Stone chips -	61.25 m³				
(3) Screening material -	88.0 m³				
(4) Sand -	5.09 m³				
(5) Chips - Cement -	3.08 MT				
(6) Bricks -	14020 Nos				
(7) Earth -	1245.71 m³				

Checked 20/12/2021 J.C

20/12/21 AE

Continuation

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