1st and final 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 No.	L.	B.	D.	Contents of area
Name of work - L027 malheya to Sahpur					
Agency - J. kumar construction and services Pvt. Ltd					
Agreement no - 6MBD/MP NMP-18/23-24					
Date of start of work - 17/07/23					
Date of completion - 16/04/2024					
Actual completion date - 29/12/23					
Measurement					
(1) Clearing and grubbing road Land — do —					
2 X 2900 X 1.0 = 5800 m²					
= 5800/10000 = 0.58 hect					
∴ ant = 0.58 hect					
(2) Scarifying existing bituminous surface — do —					
5 X 30 X 3.750 =					562.50 m²
(3) const. of subgrade & earthen shoulders — do —					
2 X 2500 X 1.0 X 0.4 =					2000 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4) construction of granular sub base — do —					
20X	9X	1.1	X 0.175	=	34.65 m^3
15X	8X	0.85	X 0.175	=	17.85 m^3
30X	4X	0.75	X 0.175	=	15.75 m^3
18X	5X	0.80	X 0.175	=	12.60 m^3
25X	6X	0.90	X 0.175	=	23.62 m^3
7X	5.42	X 1.48	X 0.175	=	9.83 m^3
9X	4.73	X 1.26	X 0.175	=	9.39 m^3
9X	8.78	X 1.32	X 0.175	=	18.25 m^3
6X	8.64	X 1.43	X 0.175	=	12.97 m^3
9X	6.26	X 1.4	X 0.175	=	13.80 m^3
			Total		168.71 m^3
	(M)	Limit to			157.72 m^3
8X	25X	3.750	X 0.150	=	112.50 m^3
			Total		281.21 m^3
			Limit to		270.220 m^3
(5) WBM gr-II Providing, laying, spreading and compacting stone aggregates — do —					
20X	9X	1.10	X 0.075	=	14.85 m^3
15X	8X	0.85	X 0.075	=	7.650 m^3
30X	4X	0.75	X 0.075	=	6.75 m^3
18X	5X	0.80	X 0.075	=	5.40 m^3
25X	6X	0.90	X 0.075	=	10.125 m^3
5X	11X	1.90	X 0.075	=	7.837 m^3
6X	8X	2.50	X 0.075	=	9.0 m^3
7X	9.5X	2.0	X 0.075	=	9.975 m^3
6X	4.20	X 1.90	X 0.075	=	3.591 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	9	8.78	1.32	0.075 =	7.82 m^3
	8	6.8	2.29	0.075 =	9.34 m^3
	7	9.62	2.09	0.075 =	10.56 m^3
			Total		102.898 m^3
		Limit to			98.04 m^3
(6) WBM gr-III Providing, laying, spreading and compacting stone aggregates —do—					
	16	25	3.75	0.075 =	112.50 m^3
	20	9	1.10	0.075 =	14.85 m^3
	15	8	0.85	0.075 =	7.65 m^3
	30	4	0.75	0.075 =	6.75 m^3
	3	6.72	1.12	0.075 =	1.69 m^3
	18	5	0.80	0.075 =	5.40 m^3
	25	6	0.90	0.075 =	10.125 m^3
	5	11	1.90	0.075 =	7.837 m^3
	6	8	2.50	0.075 =	9.0 m^3
	7	9.5	2.0	0.075 =	9.975 m^3
	6	4.20	1.90	0.075 =	3.591 m^3
	9	8.78	1.32	0.075 =	7.82 m^3
	8	6.8	2.29	0.075 =	9.34 m^3
	7	9.62	2.09	0.075 =	10.56 m^3
	8	6.8	2.29	0.075 =	9.34 m^3
	7	9.62	2.09	0.075 =	10.56 m^3
	13	3.48	2.41	0.075 =	8.18 m^3
	15	11.54	1.30	0.075 =	16.88 m^3
	11	11.56	1.49	0.075 =	14.21 m^3
	14	6.77	2.61	0.075 =	18.55 m^3
	9	7.08	2.98	0.075 =	14.24 m^3
			Continuation		
			Total		194.858 m^3
			Limit to		194.720 m^3
			Total		309.048 m^3
			Limit to		308.345 m^3

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Prime coat					
Providing and applying primer coat with bitumen emulsion (SS-1)					
	No. x	do m x	m		
	20 x	9 x	1.10 =		198
	15 x	8 x	0.85		102
	30 x	4 x	0.75		90
	3 x	6.72 x	1.12		22.579
	18 x	5 x	0.80		72
	25 x	6 x	0.90		135
	5 x	11 x	1.90		104.50
	6 x	8 x	2.50		120
	7 x	9.5 x	2.0		133
	6 x	4.20 x	1.90		47.88
	9 x	8.78 x	1.32		104.306
	8 x	6.8 x	2.29		124.576
	7 x	9.62 x	2.09		140.740
	8 x	6.8 x	2.29		124.576
	7 x	9.62 x	2.09		140.740
	13 x	3.48 x	2.41		109.028
	15 x	11.54 x	1.30		225.03
	11 x	11.56 x	1.49		189.468
	14 x	6.77 x	2.61		247.375
	9 x	7.08 x	2.98		189.885
			Total		2620.683 m^2
	Limit to				2596.267 m^2

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Patch work over WBM using mix seal surface (MSS)					
——— do ———					
Area used for MSS is same as area used in prime coat P-(4) item-(6)(7) = 256					
2596.267m²					
∴ ont = 2596.267m²					
(9) Tack coat Providing & applying tack coat with bitumen emulsion					
(RS-1)					
——— do ———					
Area used for tack coat is same as area used in prime coat P-(4) item-(7) = 2596.267m²					
∴ ont = 2596.267m²					
(10) Tack coat Providing & applying tack coat with RS-1					
——— do ———					
100 X 25 X 3.75 =					9375m²
19 X 20 X 0.25 =					95m²
Total					9470m²
Limit to					9468.75m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11) SDBC Providing and Laying semidense bituminous concrete — do —					
	100	X 25	X 3.75	X 0.025	= 234.375
	19	X 20	X 0.25	X 0.025	= 2.375
				Total	236.750
			Limit to		236.719
(12) Dry lean cement concrete — do —					
	4	X 4	X 3.75	X 0.160	= 9.60 m³
(13) const. of unreinforced plain cement concrete pavement — do —					
	12	X 25	X 3.75	X 0.160	= 180 m³
	1	X 30	X 3.60	X 0.160	= 17.28 m³
	1	X 25	X 3.50	X 0.160	= 14 m³
	1	X 25	X 3.30	X 0.160	= 13.20 m³
	1	X 20	X 3.90	X 0.160	= 12.48 m³
	12	X 25	X 3.75	X 0.10	= 112.50 m³
	1	X 30	X 3.60	X 0.10	= 10.80 m³
	1	X 25	X 3.50	X 0.10	= 8.750 m³
	1	X 25	X 3.30	X 0.10	= 8.25 m³
	1	X 20	X 3.90	X 0.10	= 7.80 m³
	3	X 3	X 4	X 0.10	= 3.60 m³
				Total	151.70 m³
			Limit to		151.50 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(14) Kilometer stone.					
(i) Km stone ——				ont=	4 NO.
(ii) 200 m stone ——				ont=	12 NO.
(15) Providing and fixing of road stud					
—— do ——					
				ont=	386 NO
(16) Supplying and installation of delineators					
—— do ——					
				ont=	50 NO.
(17) Providing & fixing of retro-reflectrised					
cautionary, mandatory and informatory sign					
—— do ——					
(i) 600 mm equilateral triangle ——				ont=	18 NO.
(ii) 600 mm circular board ——				ont=	4 NO.
(iii) 600 mm x 450 mm rectangular board					
—— do ——				ont=	6 NO.
(18) Planting of trees by the road side					
—— do ——				ont=	125 NO.
(19) Road marking with hot applied Thermoplastic on BT surface					
2 X 2500 X 0.10				=	500 m²
7 X 5.0 X 0.5 X 2				=	35 m²
Continuation					
Total					535 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(20) Road marking with hot applied Thermo plastic compound on cc porhan					
——— do ———					
	2	X 400	X 0.10	=	80 m²
(21) Providing & fixing of typical mmcss cjformatory sign board with logo					
——— do ———					
			ont =		3 No.
(22) Laying cement concrete pipe NP-3					
——— do ———					
	5	X 10		=	50 Rm
(23) Earthwork in excavation					
——— do ———					
	55	X 1.36	X 1.5	=	112.20 m³
(24) Providing PCC M-15 concrete in open found.					
——— do ———					
	55	X 1.36	X 0.15	=	11.22 m³
(25) Providing concrete for plain/reinforced in open found.					M-20
——— do ———					
	55	X $\left(\frac{1.16+0.4}{2}\right)$	X 2.275	=	97.60 m³
(26) Providing concrete for plain/reinforced over protection wall					M-20 in coping
——— do ———					
Continuation					
	55	X 0.4	X 0.075	=	1.65 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(27) Providing weepholes in brick masonary, Plain/ reinforced concrete in protection wall					
—— do ——					
				ant =	55N
(28) Brick masonary work in cement mortar					
—— do ——					
	2 X	6.0 X	0.40 X	0.60 =	2.88m
	4 X	5.0 X	0.60 X	0.50 =	6.0m³ ~~3.0m~~
				Total	8.88m
					8.88m³
(29) Plastering with					
cement mortar 1:4 on brick work					
—— do ——					
	2 X	6.0 X	2.0	=	24.0m²
	4 X	6.0 X	0.60	=	14.40m²
	2 X	6.0 X	0.40	=	4.80m²
	4 X	0.40 X	0.60	=	0.960m²
			~~Total~~		
	8 X	5.0 X	0.60	=	24.0m²
	4 X	5.0 X	0.50	=	10.0m²
	8 X	0.60 X	0.50	=	2.40m²
	4 X	9.0 X	2.80	=	100.80m²
			Total		~~137.20m²~~ 181.36m²
(30) Painting two coats on new concrete surface —— do ——					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2X	6.0	X 2.0	=	24.0 m²
	4X	6.0	X 0.60	=	14.40 m²
	2X	6.0	X 0.40	=	4.80 m²
	4X	0.40	X 0.60	=	0.960
	8X	5.0	X 0.60	=	24 m²
	4X	5.0	X 0.50	=	~~14.40 m²~~ 10.0 m²
8	8X	0.60	X 0.50	=	2.40 m²
4	2X	9.0	X 2.80	=	100.80 m
			Total		181.36m
(31)	Earthwork in excavation				
	for found — do —				
	2 X 3.90 X	1.150	X 1.50	=	13.455 m³
Below pipe	1 X 5.350 X	1.130	X 0.365	=	2.207 m³
			Total		15.662 m³
(32)	Providing m-15 PCC				
	as levelling course				
	— do —				
	2X3.90 X	1.150	X 0.150	=	1.345 m³
Below pipe	1X 5.311 X	1.130	X 0.250	=	1.50 m³
Less for pipe	0.250 X 0.7857 X	(0.830)²	X 5.849	=	0.791 (−)
			Total		2.054 m³
(33)	Providing m-15 PCC				
	as levelling course				
	— do —				
	2X 3.6 X	0.70	X 2.180	=	10.987 m³
	2X 3.6 X	0.40	X 0.60	=	1.728 m³
	2X 0.7857 X	(0.830)²	X 0.530	=	0.574 m² (−)
			Total		12.141 m³

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(34) Providing & laying RCC pipe NP-3 — do —					
	3 X	2.50	=		7.50m
(35) Painting two coats on new concrete surface — do —					
	2 X	3.60 X 0.40	=		2.880
	4 X	0.40 X 0.60	=		0.960
			Total		3.840

29/12/23
J.E

05/01/24
AE