

1.

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.	
1st on A/c Final bill					
Name of work:- NH 82 Jirayam Kuthi Road To					
Kaladya Bigha					
Agency:- Dee Pak Kumar					
Agreement No:- MBD 01/2024-25					
Date of commencement:- 27-08-2024					
Date of completion:- 26-05-2025					
Date of Actual completion:- 20/12/2024					

As Per Record Entry notebook ⑦

MEASUREMENT

① Clearing and Grubbing Road Land

----- do ----- do ----- e/i

$$2 \times 6 \times 30.00 \times 1.00 = 360m^2$$

$$2 \times 20 \times 1.00 = 40m^2$$

$$2 \times 17 \times 1.00 = 34m^2$$

$$2 \times 5 \times 30.00 \times 1.00 = 300m^2$$

$$2 \times 3 \times 30.00 \times 1.00 = 180m^2$$

$$2 \times 22 \times 1.00 = 44m^2$$

$$2 \times 6 \times 30.00 \times 1.00 = 360m^2$$

$$2 \times 21 \times 1.00 = 42m^2$$

$$Qty = 1360m^2$$

$$In HA = \frac{1360}{10000} = 0.136 HA$$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				0.136 HA
② Dismantling of Existing P.C.C.					
----- do -----				41	
	1x8	3.75	x 0.18 =	5.40m ³	
	1x5	3.70	x 0.18 =	3.33m ³	
	1x12	3.05	x 0.18 =	6.58m ³	
	1x9	3.10	x 0.18 =	5.02m ³	
	1x9	3.05	x 0.18 =	4.98m ³	
	1x10	3.72	x 0.18 =	6.69m ³	
	1x8	3.50	x 0.18 =	5.04m ³	
	1x15	3.05	x 0.18 =	8.23m ³	
	1x6	3.72	x 0.18 =	4.01m ³	
	1x5	3.72	x 0.18 =	3.34m ³	

	1x7	3.70	x 0.18 =	4.66m ³	
	1x8	3.75	x 0.18 =	5.40m ³	
	1x5	3.75	x 0.18 =	3.37m ³	
	1x18	3.75	x 0.18 =	12.15m ³	
	1x12	3.72	x 0.18 =	8.03m ³	
	1x9	3.75	x 0.18 =	6.07m ³	
	1x8	3.72	x 0.18 =	5.35m ³	
	1x11	3.75	x 0.18 =	7.42m ³	
	1x10	3.75	x 0.18 =	6.75m ³	
	1x15	3.75	x 0.18 =	10.12m ³	
	1x5	3.72	x 0.18 =	3.34m ³	
			Qty =	125.28m ³	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				125.28 m ³
(3) Providing laying, spreading and					
Compacting WBM br-II					
do do do e/i					
1x 5x 3.75x 0.075					1.40 m ³
1x 9x 3.75x 0.075					2.53 m ³
1x 11x 3.75x 0.075					3.09 m ³
1x 10x 3.75x 0.075					2.81 m ³
1x 8x 3.75x 0.075					2.25 m ³
				Qty =	12.08 m ³
				limits =	10.69 m ³

(4) Construction of Panel concrete
(M30) Grade

do do do e/i					
20x 3.75x 0.125					9.37 m ³
28x 3.75x 0.125					13.12 m ³
10x $\frac{3.75+4.5}{2}$ x 0.125					5.15 m ³
10x $\frac{6.6+3.0+3.75}{3}$ x 0.125					6.18 m ³
3x 30x 3.75x 0.125					42.18 m ³
22x 3.75x 0.125					10.31 m ³
11x 3.75x 0.125					5.15 m ³
				Qty =	91.46 m ³
				limits =	89.95 m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				89.95 m ³
⑤ Providing and applying Tack coat with Bitumen Emulsion (RSI)					
	do	do		e/p	
	10 X	$\frac{6.30 + 4.0 + 3.75}{3}$			46.84 m ²
	3 X	30 X 3.75			337.50 m ²
		28 X 3.75			105 m ²
	23 X	$\frac{4.8 + 5.8 + 3.75}{3}$			109.63 m ²
		30 X 3.75			112.5 m ²
		20 X 3.75			75 m ²
	18 X	$\frac{3.75 + 4.70 + 3.75}{3}$			73.20 m ²
		4 X 30 X 3.75			450 m ²
		12 X 3.75			45 m ²
	19 X	$\frac{3.75 + 4.5 + 3.75}{3}$			76.0 m ²
	3 X	30 X 3.75			337.5 m ²
		26 X 3.75			97.5 m ²
		Qty			1865.67 m ²
⑥ Providing and laying semi-Dense Bituminous concrete					
	do	do		e/p	
	10 X	$\frac{6.30 + 4.0 + 3.75}{3} \times 0.025$			1.17 m ³
	3 X	30 X 3.75 X 0.025			8.43 m ³
	28 X	3.75 X 0.025			2.62 m ³
	23 X	$\frac{4.8 + 5.8 + 3.75}{3} \times 0.025$			2.74 m ³
		30 X 3.75 X 0.025			2.81 m ³
		20 X 3.75 X 0.025			1.87 m ³
Continuation					19.64 m ³

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				19.64 m ²
	18 X	$\frac{3.75 + 4.70 + 3.75}{3}$		0.025	= 1.83 m ³
	4 X	30		3.75 X 0.025	= 11.25 m ³
	12 X	3.75		0.025	= 1.12 m ³
	19 X	$\frac{3.75 + 4.50 + 3.75}{3}$		0.025	= 1.90 m ³
	3 X	30 X 3		75 X 0.025	= 8.43 m ³
	26 X	3.75		0.025	= 2.43 m ³
				Qty =	46.60 m ³

⑦ Providing and laying of hot applied
Thermaplastel compound Road marking
--- do --- do --- e/f

BT Porten

	2 X	10 X 0.100	=	2.0 m ²
	2 X	3 X 30 X 0.100	=	18 m ²
	2 X	28 X 0.100	=	5.6 m ²
	2 X	23 X 0.100	=	4.6 m ²
	2 X	30 X 0.100	=	6.0 m ²
	2 X	20 X 0.100	=	4.0 m ²
	2 X	18 X 0.100	=	3.6 m ²
	2 X	4 X 30.00 X 0.100	=	24 m ²
	2 X	12 X 0.100	=	2.4 m ²
	2 X	19 X 0.100	=	3.8 m ²
	2 X	3 X 30 X 0.100	=	18.0 m ²
	2 X	26 X 0.100	=	5.2 m ²
			Qty =	97.20 m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF	—	—	—	$97.20 m^2$
Rec Portion					
	2	2.0	0.100	=	$4.00 m^2$
	2	28	0.100	=	$5.6 m^2$
	2	10	0.100	=	$2.0 m^2$
	2	10	0.100	=	$2.0 m^2$
	2	30	0.100	=	$18 m^2$
	2	22	0.100	=	$4.4 m^2$
	2	11	0.100	=	$2.2 m^2$
					$38.20 m^2$
			Length		$38.00 m^2$

(8) Construction of subgrade and
- Earthen shoulders

----- do ----- do ----- e/f

BT Portion	2	10	1.00	0.300	$6.00 m^3$	
	2	30	30	1.00	0.300	$54 m^3$
	2	28	1.00	0.300	$16.8 m^3$	
	2	23	1.00	0.300	$13.8 m^3$	
	2	30	$\frac{0.6+0.4}{2}$	0.300	$9.0 m^3$	
	2	20	$\frac{0.6+0.4}{2}$	0.300	$6 m^3$	
	2	18	1.00	0.300	$10.8 m^3$	
	2	2	30	1.00	0.3	$36 m^3$
	2	2	30	$\frac{0.6+0.4}{2}$	0.300	$18 m^3$
	2	12	1.00	0.300	$7.2 m^3$	
	2	19	1.00	0.300	$11.4 m^3$	

Continuation = $189 m^3$

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		BF			189.0 m^3
		$2 \times 2 \times 30 \times 1.00 \times 0.30$			$= 36 \text{ m}^3$
		$2 \times 30 \times \frac{0.5+0.4}{2} \times 0.30$			$= 8.1 \text{ m}^3$
		$2 \times 26 \times 1.00 \times 0.30$			$= 15.6 \text{ m}^3$
			Qty =		248.7 m^3
C.C Portion		$2 \times 20 \times 0.7 \times 0.30$			$= 8.40 \text{ m}^3$
		$2 \times 28 \times 0.7 \times 0.30$			$= 11.76 \text{ m}^3$
		$2 \times 20 \times \frac{0.4+0.3}{2} \times 0.30$			$= 4.20 \text{ m}^3$
		$1 \times 30 \times 0.7 \times 0.30$			$= 6.30 \text{ m}^3$
		$2 \times 30 \times 0.7 \times 0.30$			$= 12.6 \text{ m}^3$
		$2 \times 22 \times 0.7 \times 0.30$			$= 9.24 \text{ m}^3$
		$2 \times 11 \times 0.7 \times 0.30$			$= 4.62 \text{ m}^3$
					57.12 m^3

$$\text{Total Qty} = 248.70 + 57.12 \text{ m}^3 = 305.82 \text{ m}^3$$

⑨ Plastering with Cement mortar
on brick work in Parapet wall of Culvert
--- do --- do --- e/i

Side face	$4.00 \times 6.00 \times 0.60$	=	14.4 m^2
Top	$2.00 \times 6.00 \times 0.40$	=	4.80 m^2
Front face	$4.00 \times 0.4 \times 0.60$	=	0.96 m^2
			$= 20.16 \text{ m}^2$

$$\text{Qty} = 3 \text{ Nos of Parapet wall of Culvert} \\ = 3 \times 20.16 = 60.48 \text{ m}^2$$

⑩ Painting two coat including Primer
coat with Synthetic enamel paint
--- do --- do --- e/i

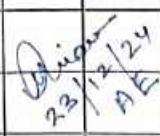
Continuation
as Per Item no. ⑨ $3 \times 20.16 = 60.48 \text{ m}^2$

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑪ Reinforced Cement concrete M15					
1 m stone					
----- do ----- do -----				2/1	
Qty = 1.00 Nos					= 1.00 Nos
⑫ Reinforced Cement concrete M15					
2.00 m stone					
----- do ----- do -----				2/1	
Qty = 3.00 Nos					= 3.00 Nos
⑬ Providing and fixing Retro-Reflectors					
sized 600mm Equilateral Triangle					
----- do ----- do -----				2/1	
Qty = 5.00 Nos					= 5.00 Nos
⑭ Providing and fixing Retro-Reflectors					
of 600mm circular					
----- do ----- do -----				2/1	
Qty = 2.00 Nos					= 2.00 Nos
⑮ Providing and fixing Retro-Reflectors					
of 600mm X 450mm Rectangular					
----- do ----- do -----				2/1	
Qty = 1.00 Nos					= 1.00 Nos

Continuation

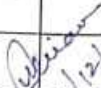
Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(16) Planting of trees by the Road side (Avenue Trees)					
----- do -----				e/i	
Qty = 39 Nos					= 39 Nos
(17) Providing and fixing 'Logo' of Project					
----- do -----				e/i	
Qty = 2.00					= 2.00 Nos
(18) Providing and fixing citizen Information Board					
----- do -----				e/i	
Qty = 2.00 Nos					= 2.00 Nos
(19) Providing and fixing 'Logo' of maintenance Board					
----- do -----				e/i	
Qty = 1.00					= 1.00 Nos
 23/12/24 A.K.					

Continuation

Sch.XLV-Form No. 134

SCH. XLV-Form No. 154					
Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Material statement					
WBM Gr-III (S/metal)					= 12.93m ³
Screening					= 2.56m ³
P.C.C. (S/Aggregate)					= 80.95m ³
Local sand					= 40.47m ³
E/w					= 305.82m ³
SDBC					= 5.126 MT
Stone chips					= 66.62m ³
Waste Plastic					= 0.358 MT


 23/12/21
 All

22/12/21
P/H

ABSTRACT OF COST

① Clearing and Grubbing Road land

① do do e/i

0.136 HA VTMB P ———— ①

@ 76926.08/Ha — Rs 10461.94/-

② Dismantling of Existing P.C.C.

② do do e/i

125.28m³ VTMB P ———— ②

@ 687.18/m³ — Rs 86089.91/-

Rs 96551.85/-

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				Rs 96551.85/-
③ Providing laying, spreading					
④ and Compacting W.B.M. Gr-III					
- - - do - - - do - - - e/i					
10.69m ² VTMB P				①3	
@ 3024.99/m ²					Rs 32336.61/-
④ Construction of Panel concrete					
⑦ (M30) Grade					
- - - do - - - do - - - e/i					
89.95m ² VTMB P				①3	
@ 8788.57/m ²					Rs 790531.51/-
⑤ Providing and applying Tack					
⑥ coat with Bituminous emulsion (RSI)					
- - - do - - - do - - - e/i					
1865.6m ² VTMB P				①4	
@ 19.60/m ²					Rs 36567.13/-
⑥ Providing and laying Semi-Dense					
⑦ Bituminous concrete.					
- - - do - - - do - - - e/i					
46.60m ² VTMB P				①5	
@ 13094.81/m ²					Rs 610218.17/-
					Rs 1566205.21/-

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
BT					Rs 1566205.29
⑦ Providing and laying of hot					
⑫ applied Thermoplastic compound					
Road marking					
do do e/i					
BT Portion	97.20 m ²				VTMBP—⑤
	@ 886.50/m ²				Rs 86167.80/-
CC Portion	38 m ²				VTMBP—⑥
	@ 1005.95/m ²				Rs 38226.10/-
⑧ Construction of subgrade and					
⑨ Earthen shoulder					
do do e/i					
305.82 m ³					VTMBP—⑦
	@ 2644.51/m ³				Rs 80892.44/-
⑨ Plastering with cement mortar on					
⑮ brick work in parapet wall of culvert					
do do e/i					
20.16 m ²					VTMBP—⑦
Qty = 3 Nos @ 222.22					3 × 20.16 = 60.48 m ²
@ 222.22/m ²					Rs 13439.87/-
⑩ Painting Two coat including					
⑮ Primer coat with synthetic enamel paint					
do do e/i					
60.48 m ²					VTMBP—⑦

Continuation

Rs 1784931.45

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
BT				18	1784931.4
@ 139.16/m ²				Rs	861640
(11) Reinforced cement concrete M15					
(8) i Km stone					
do do do				e/i	
Qty = 100 Nos VTM B P				(08)	
@ 2756.28				Rs	2756.28
(12) Reinforced cement concrete M15					
(8) ii 200 m stone					
do do do				e/i	
Qty = 3 Nos VTM B P				(08)	
@ 794.82				Rs	2384.46
(13) Providing and fixing Retro-Reflection					
(9) cd 600mm Equilateral Triangle					
do do do				e/i	
5.00 Nos VTM B P				(08)	
@ 4407.24				Rs	22036.2
(14) Providing and fixing Retro-Reflection					
(9) 600mm circular					
do do do				e/i	
2.00 Nos VTM B P				(08)	
@ 4249.55				Rs	8499.10

Continuation

Rs 1829223.8

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	BF				Rs 18292239/-
(15) Providing and fixing of Retro-					
(1) Reflectorisal 600mm x 450mm Rectangular					
	do	do		e/i	
1.00 Nos	VTMBP			(08)	
	@ 4105.02			Rs	4105.02/-
(16) Planting of trees by the Road					
(1) Side (Avenue Trees)					
	do	do		e/i	
39 NOS	VTMBP			(09)	
	@ 1305.10			Rs	50898.9/-

(17) Providing and fixing 'Logo' of					
(13) Project					
	do	do		e/i	
Qty = 2.00 NOS	VTMBP			(09)	
	@ 11518.45			Rs	23036.9/-

(18) Providing and fixing Citizens					
(13) Information Board					
	do	do		e/i	
2.00 NOS	VTMBP			(09)	
	@ 11518.45			Rs	23036.9/-

(19) Providing and fixing 'Logo' of					
(13) maintenance board					
	do	do		e/i	

Continuation Rs 1930301.61/-

Continuation