

Sri munnai kr. Singh

Ln.T Road Siarish Chennai Road School to Siarish.

School XLV-Tam Na. 1345

11.1.69.8y

for the

PRINCE P.W.D.

E.R.W.D. WORK Arranged. DIVISION

Assistant Engineer R.W.D. AND DIVISION

WORK Sub-Division - Barua.

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to Sri Yashvendra K. A. R. W. W. W.
Sub-Div - Barua

Yashvendra
10/7/20

Executive Engineer
Rural Works Department
Work Division, Aurangabad
10/7/20

Schedule KLV - Part No. 134.

Division.

Signature.

MEASUREMENT BOOK.

12618

2314.5

Sri. Krishna K. Yashvendra A. R. W. W. W.

Date of Survey

Date of Survey

निर्माण कार्य के लिए, यशवेंद्र

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
4 th B. A/C Bill					
Name of work - construction of					
work from LIT Road Sirish					
to chauran path to Sarangar.					
Head - mistry (C)					
Name of Agency - Munna K					
Singh - village mahshi					
obra Aurangabad.					
Agreement No - 24 SRD/20-21					
Date of work start - 30-06-20					
Date of completion - 30-06-20					
28-03-21					
Agreement Amt - 48,74,770/-					
Part - A'					
Agreement value - 10% below of					
B.O.P. Rate.					
Date of payment -					
05-06-2021					
① Prime coat - Providing					
and applying Primer coat.					
10.00 x 10.00 x (6.35 + 3.75)					
2 = 50.50 m ²					
13.00 x 30.00 x 3.75 = 1462.50 m ²					
Total = 1513.00 m ²					
Extra width in meter					
1.00 x 3.75 x 0.10 = 15.375 m ²					
= 1528.375 m ²					
② Tack coat - Providing					
Overlaying Tack coat					
Qty same as above					
Continuation					
= 1528.375 m ²					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$\frac{3}{15}$ 1735-20mm thick Bricking, laying & Rolling of Chocoline Qty same as same Qty. in items no $\frac{1}{13} = 1578.375 m^2$					
$\frac{4}{17}$ Hand Shovel - laying bricks siding laying - - - CH- 4.0m to 7.95m $2 \times 18 \text{ Nos} \times 30.0 \times 0.250 = 195.50 m^2$ $2 \times 1 \text{ Nos} \times 5.0 \times 0.250 = 2.0 m^2$ $197.50 m^2$					
$\frac{5}{18}$ kilometre stone. Qty = 2.0 Nos.					
$\frac{6}{19}$ 200mm Stone Qty = 5.0 Nos.					
$\frac{7}{20}$ Bricking & fixing 100 of masonry perfect - - 20 - - - Qty = 2.0 Nos.					
$\frac{8}{22}$ Boundary Pill - Qty = 24 Nos.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(9) 23 Retro-reflect Orisid. Traffic sign - - - 600mm equilateral Qty = 8.0 Nos.					
(10) 24 600mm circular Qty = 5.0 Nos.					
(11) 25 800mm x 600mm rectangular - - - Qty = 7.0 Nos.					
(12) 26 600 x 450 mm rectangle Qty = 6.0 Nos.					

(13) 27 900mm side octagonal Qty = 4.0 Nos.					
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(14) 28 Road marking with Hot applied thermo - Plastic - - - In BT Portion					
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$$2 \times 13 \text{ Nos} \times 30.0 \times 0.100 = 78.0 \text{ m}^2$$

$$2 \times 1 \text{ Nos} \times 10.0 \times 0.100 = 2.0 \text{ m}^2$$

$$\text{Total} = 80.0 \text{ m}^2$$

(15) 29 Road marking with hot applied - - - for C.C.P.					
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$$2 \times 13.0 \times 30.0 \times 0.100 = 78.0 \text{ m}^2$$

$$2 \times 1 \text{ Nos} \times 5.0 \times 0.100 = 1.0 \text{ m}^2$$

$$\text{Total} = 79.0 \text{ m}^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

16
30 Planting of Tree
by the Road Sides.
Qty = 410.0 nos.

17
35 Painting on Parapet
wall two coats.
- - - - -

Top $4 \times 2 \times 3.60 \times 0.40 = 11.52 \text{ m}^2$
~~2.55~~

Side $4 \times 4 \times 3.60 \times 0.60 = 34.56 \text{ m}^2$
~~3.64~~

Front $4 \times 4 \times 0.40 \times 0.60 = 3.84 \text{ m}^2$

Total 249.92 m^2

Range

J-E

18
9+10 Construction of subgrade

B. between shoulder - 7.

In C.C. Portion

Adjusted of 11.5.3.

$2 \times 13 \text{ No} \times 30.07 \times 0.375 \times 0.100 = 29.25 \text{ m}^3$

Adjusted of W.B.M. 3

$2 \times 13 \text{ No} \times 30.07 \times 0.375 \times 0.075 = 21.93 \text{ m}^3$

Adjusted A.C.C.

$2 \times 13 \text{ No} \times 30.07 \times 0.375 \times 0.160 = 46.80 \text{ m}^3$

$= 97.98 \text{ m}^3$

Qty wide this part $= 292.989 \text{ m}^3$

Total $= 390.969 \text{ m}^3$

19
9 Subgrade for 100m $= 117.0 \text{ m}^3$

19
10 Subgrade for 10 m level $= 273.969 \text{ m}^3$

Range

Continuation

05.06.2021

J-E

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>ABSTRACT OF COST.</u>					
(1) Building & fixing of Working Bench made Piles					
Qty wide trans P-28 = 1.0					
@ RS = 3827.11 / Each = RS = 3827 = 00					
(2) Reference pillar -					
Qty wide trans P-28 = 3.0					
@ RS = 731.30 / each = 5194 = 00					
(3) Clearing & grubbing Road land -					
Qty wide trans P-28 =					
= 0.5565 Hec					
@ RS = 51133.76 / Hec = 14 = 28456 = 00					
(4) Dismantling of existing Structure like -					
Qty wide trans P-28					
= 177.75 m ³					
@ RS = 484.74 / m ³ = 14 = 86162 = 00					
(5) Box-cutting - Execution for Road way -					
Qty wide trans P-28 = 98.50 m ³					
@ RS = 74.16 / m ³ = 14 = 6959 = 00					
(6) Construction of Embankment for improved road For 60 ft pty -					
Qty wide trans P-28 = 56.30 m ³					
@ RS = 26.11 / m ³ = RS = 1470 = 00					
Continuation					
(0. RS = 132,068 = 00					

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					(Co. RS) = 1,32,068 = 00
(7) Construction of Embankment with approved materials - for 100 m lead.					
Qty wide + msp - 29					= 1442.20 m ³
@ RS = 174.94 / m ³ = RS = 2,52,298 = 00					
(8) Construction of Embankment with material obtained from (1000 m lead).					
Qty wide + msp - 29					= 1278.315 m ³
@ RS = 131.03 / m ³ = RS = 1,67,498 = 00					
(9) Construction of Sub-graded and Earthen Shoulder - for 1000 m lead.					
Qty wide + msp - 36 = 117.0 m ³					
@ RS = 176.58 / m ³ = RS = 20,660 = 00					
(10) Construction of Sub-grade and Earthen Shoulder - for 100 m lead.					
Qty wide + msp - 36					= 273.969 m ³
@ RS = 141.17 / m ³ = RS = 3,8676 = 00					
(Co. RS) = 6,11,200 = 00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$QF \times PS = 6,11,200 \approx \infty$
(11/11) Gr. S. B. with well graded material					
Qty. in cum P-29					
					$= 256.30 \text{ m}^3$
@ PS = 2322.62 / m ³					PS = 5,95,287 $\approx \infty$
(12/12) W.B.M. m. 3, Providing					
laying, spreading and compacting					
Qty. in cum P-29					
					$= 227.483 \text{ m}^3$
@ PS = 84.87.32 / m ³					PS = 7,93,306 $\approx \infty$
(13/13) Prime coat - Providing					
and applying Primer					
Qty. in cum P-33					
					$= 1528.375 \text{ m}^2$
@ PS = 45.01 / m ²					PS = 68,792 $\approx \infty$
(14/14) Tack coat - Providing					
and applying tack coat					
Qty. in cum P-33					
					$= 1528.375 \text{ m}^2$
@ PS = 15.30 / m ²					PS = 23,384 $\approx \infty$
					$\text{Total PS} = 20,91,969 \approx \infty$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$BF=PS=2091.069=00$
(15/15) MSS - 20mm thick					
- Providing, laying and Rolling mss - Type-B					
- - - - -					
Qty wide trans P-34					$=1528.375m^2$
@ PS = 201.22 / m ² = PS = 307,540 = 00					
(16/16) Construction of					
P.C.C. M30 grade					
- - - - -					
Qty wide trans P-31					$=241.74m^3$
@ PS = 5880.60 / m ³ = PS = 1421576 = 00					
(17/17) Hand shoulder					
- laying Brick Soling					
layer - as per - - -					
Qty wide trans P-31 = 192.50 m ²					
@ PS = 542.78 / m ² = PS = 107397 = 00					
(18/18) kilometre stone					
Qty wide trans P-34 = 210					
@ PS = 1867.44 / each = PS = 3935 = 00					
(19/19) 200m stone					
Qty wide trans P-34					$=3.0$
@ PS = 548.52 / each = PS = 1646 = 00					
Co PS = 3937,063 = 00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$B\& = P\& = 3029.063 \text{ sq}$
(20/20) Providing & fixing of Typical masonry					
Informatory sign					
Qty white tms P-30 = 2.94 m					
Qty white tms P-34 = 2.01 m					
					$= 2.01 \text{ m}$
@ P = 9197.93 / each = P = 36792 sq					
(21/21) Boundary pillar					
Qty white tms P-34					
					$= 24.0$
@ P = 461.75 / each = P = 11082 sq					
(22/22) Providing & fixing of retro-reflective sign					
600 mm square / A6					
Qty white tms P-35 = 8.0					
@ P = 3654.24 / each = P = 29234 sq					
(23/24) 600 mm circle					
Qty white tms P-35 = 5.0					
@ P = 4926.18 / each = P = 24631 sq					
(24/25) 800 x 600 mm rectangle					
Qty white tms P-35					
					$= 7.0$
@ P = 6899.13 / each = P = 48294 sq					
Continuation					
(P = 4084096 sq)					

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

$$BF = PS = 40,84,096 = \infty$$

(25) 600 x 450 mm Rectangular

(26) Qty wide TMB P-35 = 6.0

$$@ PS = 4,795.96 / \text{each} = PS = 28,776 = \infty$$

(26) 900 mm Side Octagonal

(27) Qty wide TMB P-35 = 4.0

$$@ PS = 8822.03 / \text{each} = PS = 35,288 = \infty$$

(27) Road marking with

(28) hot applied tharbit

BT-Portion

Qty wide TMB P-35

$$= 80.0 \text{ m}^2$$

$$@ PS = 735.44 / \text{m}^2 = PS = 58,835 = \infty$$

(28) Road marking with

hot applied for C.C

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Qty wide TMB P-35 = 79.0 m²

$$@ PS = 821.29 / \text{m}^2 = PS = 64,882 = \infty$$

(29) Planting of Tree by

the Road --- ---

Qty wide TMB P-36 = 40.0 m²

$$@ PS = 815.26 / \text{each} = PS = 32,610 = \infty$$

(30) Irrigation pipe - 30 mm

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a Reinforce --- ---

Qty wide TMB P-30 = 20.0 m

$$@ PS = 871.62 / \text{m} = PS = 17,432 = \infty$$

$$\text{Continuation}$$

$$@ PS = 432,919 = \infty$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

$$BF \cdot P = 4132.1919 = \infty$$

(31)
(32) Earth working excavation
for foundation of

Structure - - - - -

Qty wide TMS P-30

$$= 62.64 m^3$$

$$@ P = 269.32 / m^3 = P = 16870 = \infty$$

(32)
(33) Forming & MIS P.C.C

as leveling course - -

- - - - -

Qty wide TMS P-30

$$= 11.40 m^3$$

$$@ P = 4597.86 / m^3 = P = 52416 = \infty$$

(33)
(34) P.C.C M20 in

Substructure for

Lulvest - - - - -

Qty wide TMS P-30

$$= 60.63 m^3$$

$$@ P = 5375.60 / m^3 = P = 326191 = \infty$$

(34)
(35) Forming & laying

R.C.C N.P.S Pipe 600mm

- - - - -

Qty wide TMS P-30 = 30.0m

$$@ P = 955.53 / m = P = 28666 = \infty$$

(35)
(36) Painting on murets

wall - - - - -

Qty wide TMS P-36 = 49.92 m²

$$@ P = 97.19 / m^2 = P = 4852 = \infty$$

$$(\infty \cdot P) = 4750914 = \infty$$

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	

$$B.P. = P.S. = 47,50,914 = \infty$$

(36) Dismantling of existing

Structure - - - - -

P.C.C - - - - -

Qty. of concrete P-31 = 2.4 m³

$$@ P.S. = 984.74/m^3 = P.S. = 1163 = \infty$$

(37) Dismantling of existing

Structure & cement

mortar - - - - -

Qty. of concrete P-31 = 69.32 m³

$$@ P.S. = 231.12/m^3 = P.S. = 16066 = \infty$$

(38) Removing all types

of H.P.C - up to

600 mm - - - - -

Qty. of concrete P-31

$$= 30.0 m$$

$$@ P.S. = 124.78/m = P.S. = 5243 = \infty$$

$$\text{Gr. Total} = 47,73,386 = \infty$$

$$\text{Add 12.1.4. S.T. (H) = 57,286 = \infty$$

$$\text{Add 1.1. L.C = 47,734 = \infty$$

$$\text{Total} = 53,93,926 = \infty$$

$$\text{Less 10.1.6.6.0.4 = 53,93,926 = \infty$$

$$= 48,54,533 = \infty$$

$$\text{Less previous paid} = 39,61,600 = \infty$$

$$\text{Net P.S.} = 8,92,933 = \infty$$

Rankin

08.06.2021

J.G.

Continuation