

Schedule XLV-Form No. 134

ਪ੍ਰਾਇਮਰੀ - ਸਕੂਲ ਆਯੁਗ ਸੀਓ ਚੇ ਨਰੋਲੀ

Mawal Kishor Singh

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DIVISION

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SUB-DIVISION

MEASUREMENT BOOK

MB No - 1565

Sch.XLV-Form No. 134

| Particulars | Details of actual measure | | | | Contents of area |
|-----------------------------|------------------------------|----|----|----|------------------|
| | No. | L. | B. | D. | |
| | | | | | |
| | Inv / R.A. Bill | | | | |
| | (Final Bill) of construction | | | | |
| N/W - | Kudra Bhabhna Road to | | | | |
| | Tarahani | | | | |
| Agency - | Naval Kishore Singh | | | | |
| Agreement No - | MSD - 11/2022-23 | | | | |
| Date of start of work - | 9-01-23 | | | | |
| Date of completion - | 8-10-23 | | | | |
| Date of actual completion - | 15/6/2023 | | | | |
| Accepted Rate - | 23.77% Below | | | | |
| D/R - | | | | | |
| | | | | | |
| | | | | | |

(1) Providing, laying and compacting
 fine aggregate of work as per
 specifications.

From C.I. ~~...~~

$$4 \times 4.0 \text{ m} \times 2.25 \times 0.075 \text{ m} = 2.70 \text{ m}^3$$

$$5 \times 3.00 \times 2.0 \times 0.075 \text{ m} = 2.25 \text{ m}^3$$

$$5.32 \text{ m}^3$$

(2) Providing, laying, spreading
 and compacting stone
 aggregate of work as per

Continuation

Sch.XLV-Form No. 134

| Particulars | Details of actual measure | | | | Contents of area |
|-------------|---------------------------|------|------|-------|---------------------------|
| | No. | L. | B. | D. | |
| | 4 | 4.50 | 2.50 | 0.075 | 3.37 m ³ |
| | 5 | 4.0 | 2.20 | 0.075 | 3.30 " |
| | 2 | 3.80 | 1.50 | 0.075 | 0.85 |
| | | | | | <u>7.52 m³</u> |

(3) Priming and applying
primer coat with
emulsion RS-1.

$$\text{Qty} = \frac{7.52 \text{ m}^3}{0.075 \text{ m}} = 100.26 \text{ m}^2$$

(4) Priming / topcoat
coat with emulsion

RS-1.

$$\text{Qty} = \text{As item no-3} = 100.26 \text{ m}^2$$

(5) Priming laying and
rolling of mix seal
surface materials
of 20 mm thickness.

$$4 \times 4.50 \times 2.50 \text{ m} = 45.0 \text{ m}^2$$

$$5 \times 4.0 \times 2.20 \text{ m} = 44.0 \text{ m}^2$$

$$2 \times 3.80 \times 1.50 \text{ m} = 11.26 \text{ m}^2$$

$$\underline{100.26 \text{ m}^2}$$

Continuation

Sch. XLV-Form No. 134

| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|----|----|----|--|
| | No. | L. | B. | D. | |
| Next entry — | | | | | |
| (c) Boundary and adjoining. | | | | | |
| Take cont with bit- extension RS-1. | | | | | |
| | | | | | $3 \times 30.0 \times 3.75 \text{ m} = 337.50 \text{ m}^2$ |
| | | | | | $1 \times 10.0 \times 3.75 \text{ m} = 37.50 \text{ m}^2$ |
| Branch | | | | | $1 \times 13.0 \times \frac{4.75 + 3.75}{2} = 55.25$ |
| | | | | | $1 \times 30.25 \text{ m}^2$ 392.75 |
| Extra at curves. | | | | | |
| Area | | | | | $1 \times 30.0 \times \left[\frac{3.75 + 3.75}{2} - 3.75 \right]$ $= 75.00 \text{ m}^2$ |
| ATCH. 41000. | | | | | |
| | | | | | 1×20.0 |
| | | | | | $1 \times 20.0 \text{ m} \times \left[\frac{3.75 + 4.75}{2} - 3.75 \right]$ $= 14.0 \text{ m}^2$ |
| ATCH. 750, 805 & 835 m — | | | | | |
| | | | | | $3 \times 15.0 \times \left[\frac{3.75 + 4.40}{2} - 3.75 \right]$ $= 14.06 \text{ m}^2$ |
| ATCH 915.0 m & 1400 m. | | | | | |
| | | | | | $2 \times 15.0 \times \left[\frac{3.75 + 4.45}{2} - 3.75 \right]$ $= 10.50 \text{ m}^2$ |
| ATCH. 1935 m, 2240 m. | | | | | |
| | | | | | $2 \times 20.0 \times \left[\frac{3.75 + 4.50}{2} - 3.75 \right]$ $= 15.0 \text{ m}^2$ |
| ATCH. 2995 m. | | | | | |
| | | | | | $1 \times 20.0 \times \left[\frac{3.75 + 4.80}{2} - 3.75 \right] = 10.5$ |
| ATCH. 3674 m. | | | | | $1 \times 30.0 \times \left[\frac{4.55 + 3.75}{2} - 3.75 \right] = 56.25$ |
| Continuation | | | | | Total = 584.06 m |

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| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|----|----|----|--|
| | No. | L. | B. | D. | |
| (7) Paving & laying permeable bituminous concrete (S.D.B.C.) | | | | | |
| - all complete as per tech. specification | | | | | |
| | | | | | |
| | | | | | $3 \times 30.0 \times 3.75 \text{ m} \times 0.025 \text{ m}$ |
| | | | | | $= 8.437 \text{ m}^3$ |
| | | | | | $1 \times 13.0 \times \frac{4.75 + 3.75}{2} \times 0.025 \text{ m} = 1.381$ |
| | | | | | 9.818 m^3 |
| Extra at curves | | | | | |
| At ch. 0.0 - | | | | | $1 \times 30.0 \times \left[\frac{3.75 + 3.75}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 1.875 \text{ m}^3$ |
| At ch. 410.0 m - | | | | | |
| | | | | | $1 \times 20.0 \times \left[\frac{3.75 + 4.75}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 0.25 \text{ m}^3$ |
| At ch. 750/805/835 m - | | | | | |
| | | | | | $3 \times 15.0 \times \left[\frac{3.75 + 4.40}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 0.351 \text{ m}^3$ |
| At ch. 915/1400 m - | | | | | |
| | | | | | $2 \times 15.0 \times \left[\frac{3.75 + 4.45}{2} - 3.75 \right] \times 0.025 \text{ m} = 0.26$ |
| | | | | | m^3 |
| At ch. 1935 m/2290 m - | | | | | |
| | | | | | $2 \times 20.0 \times \left[\frac{3.75 + 4.40}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 0.375 \text{ m}^3$ |
| At ch. 2295.0 m - | | | | | |
| | | | | | $1 \times 20.0 \times \left[\frac{3.75 + 4.80}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 0.262 \text{ m}^3$ |
| At end - | | | | | |
| | | | | | $1 \times 30.0 \times \left[\frac{3.75 + 7.55}{2} - 3.75 \right] \times 0.025 \text{ m}$ |
| | | | | | $= 1.406 \text{ m}^3$ |
| | | | | | Total 14.599 m³ |

Continuation

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| Particulars | Details of actual measure | | | | Contents of area |
|---|---------------------------|----|----|----|---|
| | No. | L. | B. | D. | |
| 8. Contn of of Un-reinforced Main c.c. Pavement - do - all complete job | | | | | |
| | | | | | $1 \times 15.0 \times \frac{4.75 + 3.75}{2} \times 0.161 \text{ m} = 10.20 \text{ m}^3$ |
| | | | | | $1 \times 6.0 \times 3.75 \text{ m} \times 0.160 \text{ m} = 3.60 \text{ m}^3$ |
| | | | | | 13.80 m^3 |
| 10 constn of subgrade and earthen shoulder, with lead up to 1000m. | | | | | |
| Qty — | | | | | 1109.93 m^3 (As per attached plans and quantity sheet) |
| 9. Paving / Fixing R.C.C. roads grade in | | | | | |
| (i) 12 m stones — | | | | | 5 Nos. |
| (ii) 200 m stones — | | | | | 15 Nos. |
| 10. Paving / Fixing of cautionary mandatory and informative traffic sign. | | | | | |
| (i) 600mm equilateral triangular | | | | | 12 Nos |
| (ii) 600mm circular — | | | | | 5 Nos |
| (iii) 600 x 450 mm rectangular | | | | | 10 Nos. |

Continuation

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| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|------|-------|----|---------------------------------|
| | No. | L. | B. | D. | |
| 11. Provision / Laying of hot applied thermoplastic compound for Road marking. | | | | | |
| <u>B.T.</u> | | | | | |
| | 30 | 30.0 | 0.100 | 2 | = 180.0 m ² |
| | 30 | 30.0 | 0.100 | 2 | = 180.0 " |
| | 16 | 30.0 | 0.100 | 2 | = 96.0 " |
| | 1 | 15.0 | 0.100 | 2 | = 3.0 " |
| | 12 | 30.0 | 0.100 | 2 | = 7.20 " |
| | 23 | 30.0 | 0.100 | 2 | = 138.0 |
| | 1 | 29 | 0.100 | 2 | = 2.8 |
| | 1 | 13.0 | 0.100 | 2 | = 2.6 " |
| Extra for laps, crossing etc | | | | | 674.40 m ² 2.02 " |

c.c. Paving

| | | | | | |
|--|---|------|-------|---|-----------------------|
| | | | | | 676.40 m ² |
| | 5 | 30.0 | 0.100 | 2 | = 30.0 m ² |
| | 5 | 30.0 | 0.100 | 2 | = 30.0 m ² |
| | 1 | 1.0 | 0.100 | 2 | = 0.20 " |
| | | | | | 60.50 m ² |

12. Provision / Fixing of typical minor information sign board with Logo

— 2 Nos.

13. Provision / Fixing gauded steel boundary posts

— 98 nos.

14. Plantation of trees by road

Continuation

| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|-------|-------|-------|--|
| | No. | L. | B. | D. | |
| Side and maintaining the plant for one year | | | | | |
| 15. Brick masonry work in cross (B.3) on parapet | | | | | |
| | 2 | 6.00 | 0.400 | 0.600 | $\times 2 \text{ nos}$ $= 5.76 \text{ m}^3$ |
| | 2 | 3.00 | 0.400 | 0.600 | $\times 6 \text{ nos.}$ $= 8.64 \text{ m}^3$ |
| | | | | | $= 14.40 \text{ m}^3$ |
| 16. Plastering with ratio (1:4) on parapet | | | | | |
| | 4 | 6.00 | 0.600 | | $\times 2 \text{ nos} = 28.80 \text{ m}^2$ |
| | 2 | 6.00 | 0.400 | | $\times 2 \text{ nos} = 9.60 \text{ m}^2$ |
| | 4 | 0.400 | 0.600 | | $\times 2 \text{ nos} = 1.92 \text{ m}^2$ |
| | 4 | 3.00 | 0.600 | | $\times 6 \text{ nos} = 43.20 \text{ m}^2$ |
| | 2 | 3.00 | 0.400 | | $\times 6 \text{ nos} = 14.40 \text{ m}^2$ |
| | 4 | 0.400 | 0.600 | | $\times 6 \text{ nos} = 5.76 \text{ m}^2$ |
| | | | | | 103.68 m^2 |
| 17. Painting two coats on B.P.W. in Parapet | | | | | |
| | | | | | As item no 16 (Plastered area) $= 103.68 \text{ m}^2$ |

Continuation

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| Particulars | Details of actual measure | | | Contents of area | |
|---|---------------------------|----------|----|------------------|------------------------------|
| | No. | L. | B. | | D. |
| | | Abstract | | | |
| (1) $\frac{1}{1}$ clearing and grubbing the road land (by manual means) - do - all complete job | | | | | |
| Qty - 1.48 Hect @ vide Tonn P-2 | | | | | |
| | | | | | CR 62032 = 43 / Hect |
| | | | | | — Re 91808 = 00 |
| (2) $\frac{2}{2}$ Costs of subgrade and shoulder with appd materials obtained from borrow pits with lead up to 1000m. | | | | | |
| Qty - 1109.43 m ³ vide Tonn P-2) | | | | | |
| | | | | | CR 252 = 32 / m ³ |
| | | | | | — Re 279931 = 00 |
| 3. Scarifying the existing bituminous surface and disposal of a scarified materials - do - | | | | | |
| 224.0 m ² vide Tonn P-2 | | | | | |
| | | | | | CR 20 = 40 / m ² |
| | | | | | — Re 4570 = 00 |
| 4. Costs of granular sub base by providing well | | | | | |

Continuation

Sch.XLV-Form No. 134 Bf 376309=

| Particulars | Details of actual measure | | | | Contents of area |
|---|---------------------------|----|----|----|--|
| | No. | L. | B. | D. | |
| graded materials (grading II materials) | | | | | |
| | | | | | 123.56 m ³ vide item B P-4 |
| | | | | | Rs 2611 = 15/m³ |
| | | | | | Rs 322671 = 00 |
| 5. Primary laying & compacting stone aggregates of WBM-III specification. | | | | | |
| | | | | | 146.40 m ³ vide item B P-5 |
| | | | | | 5.32 " " " P-17 |
| | | | | | <u>151.72 m³</u> |
| | | | | | Rs 540 = 15/m³ |
| | | | | | Rs 821131 = 00 |
| 6. Primary laying and compacting stone aggregates of WBM-III spec. | | | | | |
| | | | | | 252.70 m ³ vide item B P-7 |
| | | | | | 7.52 " " " P-18 |
| | | | | | <u>260.22 m³</u> |
| | | | | | Rs 5175 = 68/m³ |
| | | | | | Rs 1346815 = 00 |
| 7. Primary and opening Prime coat with bit. emulsion | | | | | |
| SS-1 | | | | | 3370.53 m ² vide item B P-9 |
| | | | | | 100.26 m ² " " P-18 |
| | | | | | <u>3470.79 m²</u> |

Continuation

| Particulars | Details of actual measure | | | | Contents of area |
|-------------|---------------------------|----|----|----|------------------|
| | No. | L. | B. | D. | |

core 59 = 81/m²

— Rs 207588 =

8. Paving and applying
Tack coat with bit.
emulsion RS-1.

15633.03 m² vide TORR P-13

100.26 m² " " P-18

584.06 m² " " P-19

16317.35 m²

CR 20 = 54/m²

— Rs 335158 =

9. Paving, laying and
rolling mix seal

surfacing materials of
20 mm thick

3370.53 m² vide TORR P-9

100.26 " " " P-18

3470.79 m²

CR 232 = 65/m²

— Rs 807479 =

10. Paving, laying semi grade
bituminous concrete (SBC)
— do — all complete as per
tech. specifications.

306.562 m² vide TORR P-11

14.599 " " " P-20

321.161 m²

Continuation

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| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|----------|----|----|-------------------------------|
| | No. | L. | B. | D. | |
| | | | | | |
| | CR 13629 | | | | 60 / m ³ |
| | | | | | — R 4377 296 = 00 |
| 11. Constn of un-reinforced cement concrete pavement | | | | | |
| — do — all complete as per tech. specification. | | | | | |
| | | 168.00 | | | m ² vide items P-8 |
| | | 13.80 | | | m ³ " " P-21 |
| | | 181.80 | | | m ² |
| | CR 7951 | | | | = 69 / m ³ |
| | | | | | — R 1445 617 = 00 |
| 12. Priming & Fining R.C. on 15 grade in | | | | | |
| (i) 10mm Stone | | | | | |
| | | 5 Nos | | | vide item P-21 |
| | CR 2680 | | | | = 44 / nos |
| | | | | | — R 13402 = 00 |
| (ii) 20mm Stone | | | | | |
| | | 15 Nos | | | vide items P-2 |
| | CR 753 | | | | = 0 / each |
| | | | | | — R 11295 = 00 |
| 13. Priming (fixing) of asbestos-canvas and information on traffic signs | | | | | |
| (i) 600mm triangular | | | | | |
| | | — 12 Nos | | | vide items P-2 |
| | CR 4202 | | | | = 22 |
| | | | | | — R 50427 = 00 |

Continuation

Sch.XLV-Form No. 134

| Particulars | Details of actual measure | | | | Contents of area |
|--|---------------------------|----|----|----|------------------|
| | No. | L. | B. | D. | |
| (ii) 600 mm circular | | | | | |
| — 5 nos wide road P. | | | | | |
| Q 4140 = 30 / nos | | | | | |
| — Re 20702 = 0 | | | | | |
| (iii) 600 x 250 mm rectangular | | | | | |
| — 10 nos wide road P. | | | | | |
| Q 4001 = 35 / — Re 40013 = 0 | | | | | |
| 14. Road marking with hot applied thermoplastic compound. | | | | | |
| B.T. Part 2 678.40 m ² wide road P. 2 | | | | | |
| Q Re 823 = 80 / m ² | | | | | |
| — Re 557218 = 0 | | | | | |
| c-c. Part 2 — 60.20 m ² | | | | | |
| Q 926 = 43 / m ² | | | | | |
| — Re 55771 = 0 | | | | | |
| 15. Parady / Fixing to typical mm gsy informational signs boards with logo | | | | | |
| — 2 nos | | | | | |
| Q 10277 = 17 / | | | | | |
| — Re 20554 = 0 | | | | | |
| 16. Parady / Fixing gaud stones | | | | | |
| — 98 nos wide road P. | | | | | |
| Q 631 = 36 / nos | | | | | |
| — Re 61873 = 0 | | | | | |

Continuation

Sch. XLV-Form No. 134

| Particulars | Details of actual measure | | | | Contents of area |
|---|---------------------------|----|----------------------|----|--|
| | No. | L. | B. | D. | |
| 17. Planting of trees by road sides and maintenance for one year. | | | | | |
| | | | 338 Nos | | |
| | | | | | Rs 1062 = 66/- Rs 359179 = 00 |
| 18. Recess masonry work in cross (1.3) in parapet | | | | | |
| | | | 14.40 m ³ | | vide item B P-23 |
| | | | | | Rs 6251 = 62 / m ³ |
| | | | | | Rs 90023 = 00 |
| 19. Planting with cross (1.4) in road | | | | | |
| | | | | | 103.68 m ² vide item B P-23 |
| | | | | | Limit — 100.80 m ² |
| | | | | | Rs 180 = 01 / m ² |
| | | | | | Rs 18145 = 00 |
| 20. Painting two coat on new plastered surface | | | | | |
| | | | | | 103.68 m ² vide item B P-23 |
| | | | | | Limit — 100.80 m ² |
| | | | | | Rs 116 = 86 / m ² — Rs 11779 = 00 |
| | | | | | Rs 11350445 = 00 |
| Add GST @ 12% | | | | | Rs 1362053 = 00 |
| Add. L.C. @ 1% | | | | | Rs 113504 = 00 |
| Add. S. Fee @ 1.09% | | | | | Rs 123720 = 00 |
| Continuation | | | | | Rs 12949722 = 00 |

Sch.XLV-Form No. 134 BF Rs 129,49,722^v

| Particulars | Details of actual measure | | | | Contents of area |
|-----------------------------|---------------------------|----|----|----|-------------------|
| | No. | L. | B. | D. | |
| Less 23.779 below | | | | | |
| As per agreement | | | | | Rs 7078149 = 00 |
| | | | | | Rs 9871573 = 00 |
| Deducting Previous Payments | | | | | Rs 8129234 = 00 |
| | | | | | Rs 17,47,339 = 00 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Done
15/6/23
JE

Materials Statement

| | | | | |
|-----------------------|--|--|------------------------|--|
| (1) Stone metal | | | 539.53 m ³ | |
| (2) Stone chips | | | 710.17 m ³ | |
| (3) Stone & screening | | | 98.86 m ³ | |
| (4) Local Sand | | | 63.01 m ³ | |
| (5) Emulsion SS-1 | | | 2.935 MT | |
| (6) Emulsion PS-1 | | | 4.475 MT | |
| (7) Sand | | | 84.98 m ³ | |
| (8) Portland | | | 7200 m ³ | |
| (9) Earth filling | | | 1109.43 m ³ | |
| (10) Bitumen S-90 | | | 43.649 m ³ | |
| | | | | |
| | | | | |

Continuation