

| Particulars                            | Details of actual measurement |    |    |    | Contents of area |
|----------------------------------------|-------------------------------|----|----|----|------------------|
|                                        | No.                           | L. | B. | D. |                  |
| 5th and Final Bill                     |                               |    |    |    |                  |
| Qty work:- Consto of the Canal dam     |                               |    |    |    |                  |
| Quantity of 10 M <sup>2</sup> of Canal |                               |    |    |    |                  |
| to Bharmacharya Halli                  |                               |    |    |    |                  |
| to 10 M <sup>2</sup> of Schemes        |                               |    |    |    |                  |
| Agency:- Vikash Kumar Pandey,          |                               |    |    |    |                  |
| Agf. No:- 11/580/1999/2019-20          |                               |    |    |    |                  |
| Date of start:- 03.02.2020             |                               |    |    |    |                  |
| Date of completion:- 02.02.2021        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |
|                                        |                               |    |    |    |                  |

## RECORD MEASUREMENT

① In excavation to Canal

Qty Cut off - 10 -

$$20 \times 30 \text{ M} \times 2 \times 0.525 \times 0.12 = 63.0 \text{ M}^3$$

$$5 \times 30 \text{ M} \times 2 \times 0.375 \times 0.12 = 11.25 \text{ M}^3$$

$$74.25 \text{ M}^3$$

② Quantity of work of

Primes Cut - do -

$$20 \times 30 \text{ M} \times 3.75 \text{ M} = 2250.0 \text{ M}^2$$

$$24 \times 30 \text{ M} \times 3.75 \text{ M} = 2700.0 \text{ M}^2$$

$$1 \times 10 \text{ M} \times 3.75 \text{ M} = 37.50 \text{ M}^2$$

$$\text{Curved} \\ \text{Quantity:- } 2 \times 15 \left( \frac{6.60 + 0.8 + 3.75}{3} \times 3.75 \right) = 49.00 \text{ M}^2$$

$$5036.50 \text{ M}^2$$

③ In work of

Face Cut with - do -

Continuation

Attested

21/12/20

EXECUTIVE ENGINEER

W.D. Works Div. Bettiah

21/12/20

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|------------------------------------|-------------------------------|----|----|----|------------------------|
|                                    | No.                           | L. | B. | D. |                        |
| 20 x 30 m x 3.75 m                 |                               |    |    | =  | 2250.0 m <sup>2</sup>  |
| 24 x 30 m x 3.75 m                 |                               |    |    | =  | 2700.0 m <sup>2</sup>  |
| 1 x 10 x 3.75 m                    |                               |    |    | =  | 37.50 m <sup>2</sup>   |
| 2 x 15 (6.60 + 5.80 + 3.75) - 3.75 |                               |    |    | =  | 49.0 m <sup>2</sup>    |
|                                    |                               |    |    |    | 5036.50 m <sup>2</sup> |

④ Plt Const of Mix Seal Surface  
of Close grade & for roads do.

|                                    |  |  |  |   |                        |
|------------------------------------|--|--|--|---|------------------------|
| 20 x 30 m x 3.75 m                 |  |  |  | = | 2250.0 m <sup>2</sup>  |
| 24 x 30 m x 3.75 m                 |  |  |  | = | 2700.0 m <sup>2</sup>  |
| 1 x 10 m x 3.75 m                  |  |  |  | = | 37.50 m <sup>2</sup>   |
| 2 x 15 (6.60 + 5.80 + 3.75) - 3.75 |  |  |  | = | 49.0 m <sup>2</sup>    |
|                                    |  |  |  |   | 5036.50 m <sup>2</sup> |
| 18/11/20                           |  |  |  |   |                        |
| 35                                 |  |  |  |   |                        |

① Plt Const of Brickwork object  
for on bottom pits do.

| CH.   | Area  | Height<br>Ar. 26 | Volume. |
|-------|-------|------------------|---------|
| 0.000 | 5.276 | 2.138            | 0.000   |
| 50.0  | 5.958 | 5.577            | 275.850 |
| 100.0 | 4.905 | 5.232            | 261.575 |
| 150.0 | 5.530 | 5.118            | 255.875 |
| 200.0 | 5.261 | 5.396            | 269.775 |
| 250.0 | 5.196 | 5.229            | 261.425 |
| 300.0 | 7.307 | 6.252            | 312.575 |
| 350.0 | 6.622 | 6.965            | 348.225 |
| 400.0 | 6.675 | 6.649            | 332.425 |
| 450.0 | 6.684 | 6.680            | 333.975 |
| 500.0 | 6.342 | 6.573            | 325.650 |
| 550.0 | 5.343 | 5.843            | 292.125 |

Continuation



| Particulars                                         | Details of actual measurement |    |    |    | Contents of area |
|-----------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                     | No.                           | L. | B. | D. |                  |
| ABSTRACT OF COST                                    |                               |    |    |    |                  |
| ① Plv Const of Working Bench works                  |                               |    |    |    |                  |
| 1.480 C.M. to T.B. P. (19)                          |                               |    |    |    |                  |
| $C.P. = 10,553.93 / C.M. \rightarrow R = 15,620.2$  |                               |    |    |    |                  |
| ② Plv Const of 8" dia 11 nos. to                    |                               |    |    |    |                  |
| 1.480 C.M. to T.B. P. (20)                          |                               |    |    |    |                  |
| $C.P. = 10,768.91 / C.M. \rightarrow R = 15,938.2$  |                               |    |    |    |                  |
| ③/2 Plv clearing & grubbing                         |                               |    |    |    |                  |
| of Re-1 to                                          |                               |    |    |    |                  |
| 0.440 Heet. to T.B. P. (20)                         |                               |    |    |    |                  |
| $C.P. = 49,496.75 / Heet. \rightarrow R = 21,779.2$ |                               |    |    |    |                  |
| ④/4 Plv Const of embankments                        |                               |    |    |    |                  |
| obtained from to                                    |                               |    |    |    |                  |
| for 1000m to                                        |                               |    |    |    |                  |
| 582.450 H.S. to T.B. P. (26)                        |                               |    |    |    |                  |
| Limit of P.                                         |                               |    |    |    |                  |
| 580.76 H.S.                                         |                               |    |    |    |                  |
| $C.P. = 174.83 / H.S. \rightarrow R = 10,534.2$     |                               |    |    |    |                  |
| ⑤/5 Plv Const of Subsoil with                       |                               |    |    |    |                  |
| earth & gravel to                                   |                               |    |    |    |                  |
| 2877.66 H.S. to T.B. P. (20)                        |                               |    |    |    |                  |
| $C.P. = 178.47 / H.S. \rightarrow R = 5,04,821.2$   |                               |    |    |    |                  |
| ⑥/6 Plv Const of Br. bank                           |                               |    |    |    |                  |
| obtained from 1000m to                              |                               |    |    |    |                  |
| 1359.2 H.S. to T.B. P. (26)                         |                               |    |    |    |                  |
| Limit of P. = 1355.2 H.S.                           |                               |    |    |    |                  |
| $C.P. = 58.57 / H.S. \rightarrow R = 79,396.2$      |                               |    |    |    |                  |
| ⑦/7 Plv excavation of Re-1                          |                               |    |    |    |                  |
| key cutting to                                      |                               |    |    |    |                  |
| 74.250 H.S. to T.B. P. (23)                         |                               |    |    |    |                  |
| $C.P. = 74.10 / H.S. \rightarrow R = 5502.2$        |                               |    |    |    |                  |
| Continuation                                        |                               |    |    |    | $R = 7,47,590.2$ |

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|                                                              | No.                           | L. | B. | D. |                   |
| (8/8) Plv Conty Brock edge<br>Sally in do —                  |                               |    |    |    |                   |
| 112.50 M <sup>2</sup> r/o T+B. l. n. (21)                    |                               |    |    |    |                   |
| $Q_1 = 471 = 27/M^2$ — $R_1 = 5301850$                       |                               |    |    |    |                   |
| (9/9) Plv Conty of S.I.B. by<br>well grad t do —             |                               |    |    |    |                   |
| 923.31 M <sup>2</sup> r/o T+B. l. (20)                       |                               |    |    |    |                   |
| $Q_1 = 2923 = 64/M^2$ — $R_1 = 289942650$                    |                               |    |    |    |                   |
| (10/10) Plv Conty Sprink and<br>Comp water gr. in do —       |                               |    |    |    |                   |
| 419.28 M <sup>2</sup> r/o T+B. l. n. (20)                    |                               |    |    |    |                   |
| $Q_1 = 3639 = 33/M^2$ — $R_1 = 152589850$                    |                               |    |    |    |                   |
| (11/11) Plv and apply Primer<br>Cats with do —               |                               |    |    |    |                   |
| 5036.50 M <sup>2</sup> r/o T+B. l. n. (23)                   |                               |    |    |    |                   |
| $Q_1 = 41 = 69/M^2$ — $R_1 = 2,09,97250$                     |                               |    |    |    |                   |
| (12/12) Plv apply & tack<br>Cats with do —                   |                               |    |    |    |                   |
| 5036.50 M <sup>2</sup> r/o T+B. l. (24)                      |                               |    |    |    |                   |
| $Q_1 = 14 = 12/M^2$ — $R_1 = 7112550$                        |                               |    |    |    |                   |
| (13/13) Plv Mix Seal Surface<br>with Primer do —             |                               |    |    |    |                   |
| 5036.50 M <sup>2</sup> r/o T+B. l. n. (24)                   |                               |    |    |    |                   |
| $Q_1 = 206 = 14/M^2$ — $R_1 = 1038,22450$                    |                               |    |    |    |                   |
| (14/14) Plv Conty Unreinforced<br>R.C.C. Mat in Pavement do. |                               |    |    |    |                   |
| 90.90 M <sup>2</sup> r/o T+B. l. n. (21)                     |                               |    |    |    |                   |
| $Q_1 = 7347 = 34/M^2$ — $R_1 = 667,57350$                    |                               |    |    |    |                   |
|                                                              |                               |    |    |    | $R_1 = 701311650$ |

Continuation

L/O



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|                                     | No.                           | L. | B. | D. |                  |
| (23/27) 1/2 x 6 x 4 mm Rectangular  |                               |    |    |    |                  |
| 02 Ns. to T.H.B. line - (26)        |                               |    |    |    |                  |
| CB = 4326 = 23/27                   |                               |    |    |    | 8654 = 2         |
| (24/28) 9 x 10 mm Side Octagon      |                               |    |    |    |                  |
| 02 Ns. to T.H.B. line - (26)        |                               |    |    |    |                  |
| CB = 8283 = 68/28                   |                               |    |    |    | 16567 = 2        |
| (25/29) 1/2 x 9 x 1 long 30 mm      |                               |    |    |    |                  |
| dis 10/29                           |                               |    |    |    |                  |
| 37.50 Ns. to T.H.B. line - (26)     |                               |    |    |    |                  |
| CB = 714 = 21/29                    |                               |    |    |    | 26783 = 2        |
| (26/30) 1/2 x 10 x 10 of trees      |                               |    |    |    |                  |
| and then maint. - do -              |                               |    |    |    |                  |
| 134.2 Ns. to T.H.B. line - (26)     |                               |    |    |    |                  |
| CB = 80 = 30/30                     |                               |    |    |    | 107240 = 2       |
| (27/31) 1/2 x 20 x 20 excavation    |                               |    |    |    |                  |
| in foundation - do -                |                               |    |    |    |                  |
| 43.92 Ns. to T.H.B. line - (26)     |                               |    |    |    |                  |
| CB = 260 = 59/31                    |                               |    |    |    | 11445 = 2        |
| (28/32) 1/2 x 30 x 30 in foundation |                               |    |    |    |                  |
| trenches as per - do -              |                               |    |    |    |                  |
| 3.72 Ns. to T.H.B. line - (21)      |                               |    |    |    |                  |
| CB = 297 = 34/32                    |                               |    |    |    | 1478 = 2         |
| (29/33) 1/2 x 40 x 40 in open       |                               |    |    |    |                  |
| foundation - do -                   |                               |    |    |    |                  |
| 3.0 Ns. to T.H.B. line - (21)       |                               |    |    |    |                  |
| CB = 6135 = 81/33                   |                               |    |    |    | 18407 = 2        |
| (30/34) 1/2 x 40 x 40 in Box coll.  |                               |    |    |    |                  |
| 45.42 Ns. to T.H.B. line - (21)     |                               |    |    |    |                  |
| CB = 7753 = 90/34                   |                               |    |    |    | 352182 = 2       |
|                                     |                               |    |    |    | 7904110 = 2      |

Continuation

40

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|                                           | No.                           | L. | B. | D. |                     |
| (31/40) Plv Back filling behind           |                               |    |    |    |                     |
| Abut. E. wall do -                        |                               |    |    |    |                     |
| 28.50 ft to T.B. L. No. (21)              |                               |    |    |    |                     |
| $Q = 2784 = 84/H$                         |                               |    |    |    | $Q = 80204 = 2$     |
| (32/41) Plv Weep holes in abut.           |                               |    |    |    |                     |
| and E. wall do -                          |                               |    |    |    |                     |
| 40 ft to T.B. L. No. (21)                 |                               |    |    |    |                     |
| $Q = 83 = 39/E$                           |                               |    |    |    | $Q = 3336 = 2$      |
| (33/42) Plv and of Boulder                |                               |    |    |    |                     |
| Abut. in Back fill.                       |                               |    |    |    |                     |
| 37.74 ft to T.B. L. No. (27)              |                               |    |    |    |                     |
| $Q = 3449 = 72/H$                         |                               |    |    |    | $Q = 130192 = 2$    |
| (34/43) Plv Supply Filter and             |                               |    |    |    |                     |
| Flow HYSD Bars do -                       |                               |    |    |    |                     |
| 3.22 ft to T.B. L. No. (21)               |                               |    |    |    |                     |
| $Q = 53282 = 42/H$                        |                               |    |    |    | $Q = 171505 = 2$    |
|                                           |                               |    |    |    | $Q = 82,89,347 = 2$ |
| Add 12% G.S.T $Q = 92,94,722 = 2$         |                               |    |    |    |                     |
| Add 1% L. cess $Q = 92,89,322 = 2$        |                               |    |    |    |                     |
|                                           |                               |    |    |    | $Q = 93,66,962 = 2$ |
| Less 0.02% B.I. do $Q = 1873 = 2$         |                               |    |    |    |                     |
|                                           |                               |    |    |    | $Q = 93,65,089 = 2$ |
| Less Provisional bill $Q = 68,90,128 = 2$ |                               |    |    |    |                     |
|                                           |                               |    |    |    | $Q = 24,74,961 = 2$ |
| Sum                                       |                               |    |    |    |                     |
| 13/12/20                                  |                               |    |    |    |                     |
| J.E.                                      |                               |    |    |    |                     |

Continuation

Attested

21/12/20  
 EXECUTIVE ENGINEER  
 W.D. Works Div. Bettiah  
 21/12/20