

# The Odisha Gazette

EXTRAORDINARY  
PUBLISHED BY AUTHORITY

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No. 255 CUTTACK, WEDNESDAY, FEBRUARY 3, 2016/MAGHA 14, 1937

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PANCHAYATI RAJ DEPARTMENT

ADDENDUM

The 22nd January 2016

SUBJECT— Comprehensive Guidelines for Gopabandhu Gramin Yojana

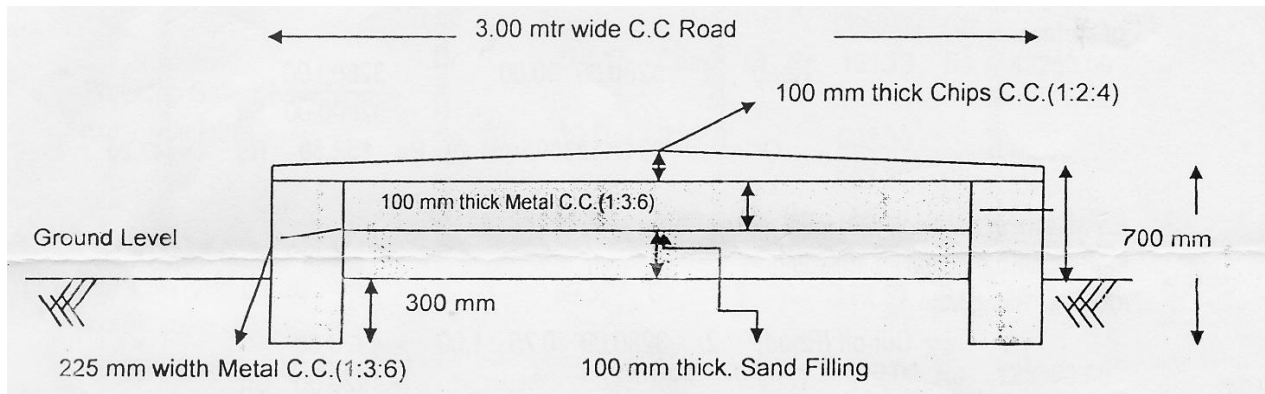
No. 1622—17-BRGF(GGY)-16-1101/2015-PR.—The model estimates, designs and technical specifications as mentioned in Paras. 6.2.12 under Road Sector of the Comprehensive Guidelines for Gopabandhu Gramin Yojana issued vide this Department Resolution No. 14472, dated the 31st August 2015 are enclosed as the same were not enclosed earlier.

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ORDER— It is ordered that this Addendum be published in the Extraordinary Gazette of the Government of Odisha for the general information and copy be communicated to all the Departments of Government/Heads of Departments and other concerned.

By order of the Governor  
DEORANJAN KUMAR SINGH  
Commissioner-*cum*-Secretary

**MODEL ESTIMATE FOR CEMENT CONCRETE ROAD WITHOUT DRAIN (Hard Soil)**  
(Without O.H.C. & C.P.)  
(SECTION OF ROAD)



**(SPECIFICATIONS)**

|                                |                   |              |
|--------------------------------|-------------------|--------------|
| (i) Length                     | (1000.00 Mtr.)=   | 3280.00 Rft. |
| (ii) Width                     | (3.00 Mtr.)=      | 10.00 Rft.   |
| (iii) Cut-off wall (two sides) | (225 mm.)= B/0.75 | H/1.00 Rft.  |
| (iv) Sand filling              | (100 mm.)= 0'-4"  | 0.33 Rft.    |
| (v) C.C. 1:3:6                 | (100 mm.)= 0'-4"  | 0.33 Rft.    |
| (vi) C.C. 1:2:4                | (100 mm.)= 0'-4"  | 0.33 Rft.    |
| (vii) Outer centring           | (300 mm.)= 1'-0"  | 1.00 Rft.    |
| (viii) Inner centring          | (200 mm.)= 0'-8"  | 0.66 Rft.    |

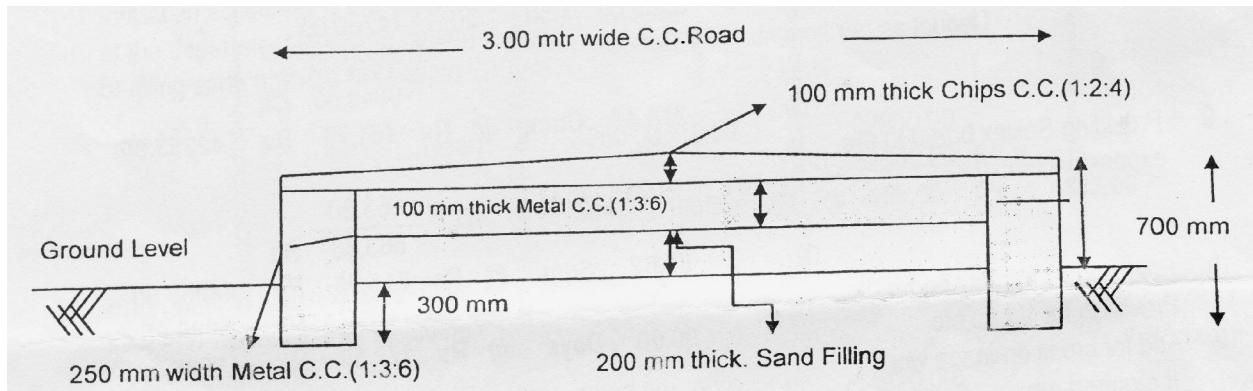
**MODEL ESTIMATE FOR CEMENT CONCRETE ROAD WITHOUT DRAIN (Hard Soil)**  
(Without O.H.C. & C.P.)

| Sl. No. | Items  | No.            | L       | B        | H     | Qty.       | Amount                                  |
|---------|--|----------------|---------|----------|-------|------------|---|
| (1)     | (2)  | (3)            | (4)     | (5)      | (6)   | (7)        | (8)                                     |
| 1       | Fine dressing of earth work in Ordinary or hard soil in road formation according to the direction of the department including cutting or filling earth up to 0.15 mtr. depth of surface. | Road           | 1       | 3280.00  | 10.00 |            | <u>32,800.00</u><br>32,800.00 Sft.      |
|         |  | or             | 3047.12 | 100 Sqm. | @     | Rs. 152.50 | Rs. 4,647.00                            |
| 2       | Earth work in hard soil with intial lead and 1.5 m. intial lift including rough dressing, etc.   | Cut-off (Road) | 2       | 3280.00  | 0.75  | 1.00       | <u>4,920.00</u><br><b>4,920.00</b> Cft. |
|         |  | <b>Total</b>   |         | 139.24   | Cum   | @          | Rs. 7,869.00                            |
|         |  | or             |         |          |       |            | Rs. 10,956.00                           |

| (1) | (2)   | (3) | (4)         | (5)   | (6)  | (7)              | (8)              |
|-----|---|-----|-------------|-------|------|------------------|------------------|
| 3   | Filling with sand well watered and rammed in road formation, etc.   |     |             |       |      |                  |                  |
|     | Cut-off   | 2   | 3280.00     | 0.75  | 0.33 | 1,623.60         |                  |
|     | Road  | 1   | 3280.00     | 8.50  | 0.33 | <u>9,200.40</u>  |                  |
|     | <b>Total</b>  |     |             |       |      | <b>10,824.00</b> | Cft.             |
|     | or  |     | 306.32      | Cum   | @    | Rs. 246.69       | Rs. 75,566.00    |
| 4   | Cement concrete (1:3:6) using 40 mm size h.g.c.b. metal, etc.   |     |             |       |      |                  |                  |
|     | Cut-off   | 2   | 3280.00     | 75.00 | 1.00 | 4,920.00         |                  |
|     | Road  | 1   | 3280.00     | 8.50  | 0.33 | <u>9,200.40</u>  |                  |
|     | <b>Total</b>  |     |             |       |      | <b>14,120.40</b> | Cft.             |
|     | or  |     | 399.61      | Cum   | @    | Rs. 3,729.38     | Rs. 14,90,287.00 |
| 5   | Cement Concrete (1:2:4) using 12 mm size h.g.c.b. chips, etc.   |     |             |       |      |                  |                  |
|     | Road  | 1   | 3280.00     | 10.00 | 0.33 | <u>10,824.00</u> |                  |
|     | <b>Total</b>  |     |             |       |      | <b>10,824.00</b> | Cft.             |
|     | or  |     | 306.32      | Cum   | @    | Rs. 4,718.59     | Rs. 14,45,394.00 |
| 6   | Rigid smooth Centering and Shuttering works in two sides edge of road, etc.   |     |             |       |      |                  |                  |
|     | Inner (Road)  | 2   | 3280.00     |       | 0.66 | 4,329.60         |                  |
|     | Outer (Road)  | 2   | 3280.00     |       | 1.00 | <u>6,560.00</u>  |                  |
|     | <b>Total</b>  |     |             |       |      | <b>10,889.60</b> | Sft.             |
|     | or  |     | 1011.64     | Sqm   | @    | Rs. 77.18        | Rs. 78,079.00    |
| 7   | Hire charge of vibrator   |     |             |       |      |                  |                  |
|     |   |     | 705.93      | Cum   | @    | Rs. 2.50         | Cum/Hour         |
|     | =   |     | 282.37      | Hour  | @    | Rs. 177.00       | Rs. 49,980.00    |
| 8   | Earthwork in ordinary soil with 5 km mechanical carriage and spreading in road berm withen initial lead and lift including dressing and levelling the bed, etc. |     |             |       |      |                  |                  |
|     | Side edge   | 2   | 3280.00     | 1.50  | 1.50 | 14,760.00        |                  |
|     | Deduct as per item No.  | 1   | for Cut-off |       |      | <u>4,920.00</u>  |                  |
|     | <b>Total</b>  |     |             |       |      | <b>9,840.00</b>  | Cft.             |
|     | or  |     | 278.47      | Cum   | @    | Rs. 151.73       | Rs. 42,253.00    |
| 9   | Providing Salitex board to the expansion joints.  |     |             |       |      |                  |                  |
|     |   | 201 | 10.00       | 0.33  |      | 663.30           |                  |
|     |   |     |             |       |      | 663.30           | Sft.             |
|     | or  |     | 61.62       | Sqm   | @    | Rs. 715.00       | Rs. 44,059.00    |
| 10  | Provision for display board, etc.   |     |             |       |      |                  |                  |
|     |   |     |             |       |      | L. S.            | Rs. 5,000.00     |

| (1) | (2)   | (3) | (4)   | (5)  | (6) | (7)             | (8)                             |
|-----|---|-----|-------|------|-----|-----------------|---------------------------------|
| 11  | Provision for V.L.L., etc.  |     | 90.00 | Days | @   | Rs. 172.50      | Rs. 15,525.00                   |
| 12  | Add for cross drainage work if required, etc. (L. S.)                                   |     |       | 5    | Nos | @ Rs. 25,000.50 | Rs. 1,25,000.00                 |
|     | <b>Sub-Total</b>  |     |       |      |     |                 | <u>Rs. 33,86,746.00</u>         |
| 13  | Add for Misc. expenditure such as photograph, extra cost of cement, etc. as per actual. |     |       |      |     | L. S.           | Rs. 43,254.00                   |
|     | <b>Net Total</b>  |     |       |      |     |                 | <u>Rs. 34,30,000.00</u>         |
| 14  | Provision for labour cess   |     |       | @    |     | 1%              | Rs. 35,000.00                   |
| 15  | Provision for contingency   |     |       | @    |     | 1%              | Rs. 35,000.00                   |
|     | <b>Grand-Total</b>  |     |       |      |     |                 | <u>Rs. 35,00,000.00</u>         |
|     |   |     |       |      |     |                 | Rupees (Thirty-Five Lakh) only. |

**MODEL ESTIMATE FOR CEMENT CONCRETE ROAD WITHOUT DRAIN**  
(Black Cotton Soil)(Without O.H.C. & C.P.)  
(SECTION OF ROAD)



(SPECIFICATIONS)

|        |                          |                 |        |         |      |
|--------|--------------------------|-----------------|--------|---------|------|
| (i)    | Length                   | (1000.00 Mtr.)= |        | 3280.00 | Rft. |
| (ii)   | Width                    | (3.00 Mtr.)=    |        | 10.00   | Rft. |
| (iii)  | Cut-off wall (two sides) | (225 mm.)=      | B/0.75 | H/1.33  | Rft. |
| (iv)   | Sand filling             | (200 mm.)=      | 0'-8"= | 0.66    | Rft. |
| (v)    | C.C. 1:3:6               | (100 mm.)=      | 0'-4"= | 0.33    | Rft. |
| (vi)   | C.C. 1:2:4               | (100 mm.)=      | 0'-4"= | 0.33    | Rft. |
| (vii)  | Outer centring           | (500 mm.)=      | 1'-8"= | 1.66    | Rft. |
| (viii) | Inner centring           | (400 mm.)=      | 1'-4"= | 1.00    | Rft. |

**MODEL ESTIMATE FOR CEMENT CONCRETE ROAD WITHOUT DRAIN**  
(Black cotton Soil)(Without O.H.C. & C.P.)

| Sl. No. | Items  | No.            | L       | B       | H     | Qty. | Amount                        |
|---------|--|----------------|---------|---------|-------|------|-------------------------------|
| (1)     | (2)  | (3)            | (4)     | (5)     | (6)   | (7)  | (8)                           |
| 1       | Fine dressing of earth work in ordinary or hard soil in road formation according to the direction of the department including cutting or filling earth up to 0.15 mtr. depth of surface. | Road           | 1       | 3280.00 | 10.00 |      | <u>32800.00</u>               |
|         |  | <b>Total</b>   |         |         |       |      | <b>32800.00</b> Sft.          |
|         |  | or             | 3047.12 | 100     | Sqr.  | @    | Rs. 152.50 Rs. 4,647.00       |
| 2       | Earth work in hard soil with initial lead and 1.5 m. initial lift including rough dressing, etc.   | Cut-off (Road) | 2       | 3280.00 | 0.75  | 1.33 | <u>6,543.60</u>               |
|         |  | <b>Total</b>   |         |         |       |      | <b>6,543.60</b> Cft.          |
|         |  | or             | 185.18  |         | Cum   | @    | Rs. 7,869.00 Rs. 14,572.00    |
| 3       | Filling with sand well watered and rammed in road formation, etc.  | Cut-off        | 2       | 3280.00 | 0.75  | 0.66 | 3,247.20                      |
|         |  | Road           | 1       | 3280.00 | 8.50  | 0.66 | <u>18,400.80</u>              |
|         |  | <b>Total</b>   |         |         |       |      | <b>21,648.00</b> Cft.         |
|         |  | or             | 612.64  |         | Cum   | @    | Rs. 246.69 Rs. 1,51,131.00    |
| 4       | Cement Concrete (1:3:6) using 40 mm size h.g.c.b. metal, etc.  | Cut-off        | 2       | 3280.00 | 0.75  | 1.33 | 6,543.60                      |
|         |  | Road           | 1       | 3280.00 | 8.50  | 0.33 | <u>9,200.40</u>               |
|         |  | <b>Total</b>   |         |         |       |      | <b>15,744.00</b> Cft.         |
|         |  | or             | 445.56  |         | Cum   | @    | Rs. 3,562.58 Rs. 15,87,325.00 |
| 5       | Cement Concrete (1:2:4) using 12 mm size h.g.c.b. chips, etc.  | Road           | 1       | 3280.00 | 10.00 | 0.33 | <u>10,824.00</u>              |
|         |  | <b>Total</b>   |         |         |       |      | <b>10,824.00</b> Cft.         |
|         |  | or             | 306.32  |         | Cum   | @    | Rs. 4,718.59 Rs. 14,45,394.00 |
| 6       | Rigid smooth Centering and Shuttering works in two sides edge of road, etc.  | Inner (Road)   | 2       | 3280.00 |       | 1.00 | 6,560.00                      |
|         |  | Outer (Road)   | 2       | 3280.00 |       | 1.66 | <u>10,889.60</u>              |
|         |  | <b>Total</b>   |         |         |       |      | <b>17,449.60</b> Sft.         |
|         |  | or             | 1621.07 |         | Sqm   | @    | Rs. 77.18 Rs. 1,25,115.00     |

| (1) | (2)  | (3) | (4)         | (5)  | (6)  | (7)             | (8)                     |
|-----|--|-----|-------------|------|------|-----------------|-------------------------|
| 7   | Hire charge of Vibrator  |     | 751.87      | Cum  | @    | Rs. 2.50        | Cum/Hour                |
|     |  | =   | 300.75      | Hour | @    | Rs. 177.00      | Rs. 53,233.00           |
| 8   | Earthwork in ordinary soil with 5 km mechanical carriage and spreading in road berm with in initial lead and lift including dressing and levelling the bed, etc. |     |             |      |      |                 |                         |
|     | Side edge  | 2   | 3280.00     | 1.50 | 1.50 | 14,760.00       |                         |
|     | Deduct as per item No.   | 1   | for Cut-off |      |      | 6,543.60        |                         |
|     | <b>Total</b>   |     |             |      |      | <b>8,216.40</b> | Cft.                    |
|     | or   |     | 232.52      | Cum  | @    | Rs. 151.73      | Rs. 35,282.00           |
| 9   | Providing Salitex board to the expansion joints.   |     |             |      |      |                 |                         |
|     |  | 101 | 10.00       | 0.33 |      | 333.30          |                         |
|     |  |     |             |      |      | 333.30          | Sft.                    |
|     | or   |     | 30.96       | Sqm  | @    | Rs. 715.00      | Rs. 22,139.00           |
| 10  | Provision for display board, etc.  |     |             |      |      |                 |                         |
|     |  |     |             |      |      | L. S.           | Rs. 5,000.00            |
| 11  | Provision for V.L.L., etc.   |     |             |      |      |                 |                         |
|     |  |     | 90.00       | Days | @    | Rs. 172.50      | Rs. 15,525.00           |
| 12  | Add for cross drainage work if required, etc. (L. S.)  |     |             |      |      |                 |                         |
|     |  |     |             | 5    | Nos. | @               | Rs. 25000.00            |
|     |  |     |             |      |      |                 | <u>Rs. 1,25,000.00</u>  |
|     | <b>Sub-Total</b>   |     |             |      |      |                 | <b>Rs. 35,84,363.00</b> |
| 13  | Add for Misc. expenditure such as photograph, extra cost of cement, etc. as per actual.  |     |             |      |      |                 |                         |
|     |  |     |             |      |      | L. S.           | Rs. 41,637.00           |
|     | <b>Net Total</b>   |     |             |      |      |                 | <u>Rs. 36,26,000.00</u> |
| 14  | Provision for labour cess  |     |             |      | @    | 1%              | Rs. 37,000.00           |
| 15  | Provision for Contingency  |     |             |      | @    | 1%              | Rs. 37,000.00           |
|     | <b>Grand Total</b>   |     |             |      |      |                 | <u>Rs. 37,00,000.00</u> |

**Rupees (Thirty-seven lakh) only.**