

GOVERNMENT OF ORISSA



(Directorate of A.H. & V.S., Orissa)

NAME OF THE WORK : Working Estimate for Construction of
Corridor & Link Zali fencing at Jaringi, Dist
- Kalahandi

ESTIMATED COST : Rs. 11,26,820/-

Working Estimate for Construction of Corridor & Link Zali fencing at Jaring, Dist - Kalahandi

1. Excavation of foundation in all kinds of soil including dressing & leveling the bed and depositing the soil away from working area within all lead & lift etc. complete finished as per the direction of Engineer-in-charge
 $765 \times 1'6'' \times 1'6'' \times 1'6'' = 2581.87$
 Small Gate pillar - $8 \times 3' \times 3' \times 3' = 216.00$
 Big gate pillar - $4 \times 4' \times 4' \times 4' = 256.00$
 Side wall - $1 \times 19' \times 2' \times 2' = 76.00$
 $3129.87 \text{ cft or } 88.57 \text{ cum}$
 @ 4390/cum.....

Rs. 3888.00

2. Filling in foundation & plinth with sand well watered and rammed with cost carriage, Royalty, Taxes etc. of sand, all labour, T & P etc. complete finished as per the direction of the Engineer-in-charge
 $8 \times 3' \times 3' \times 6'' = 36.00$
 $4 \times 4' \times 4' \times 6'' = 32.00$
 $1 \times 19' \times 2' \times 4'' = 12.54$
 $80.54 \text{ cft or } 2.28 \text{ cum}$
 @ 230.00 cum.....

Rs. 524.00

3. Cement concrete (1:3:6) using 4cm. size H.G. metal in foundation with cost carriage, Royalty, Taxes etc. of all materials, all labour T & P etc. complete finished as per the direction of the Engineer-in charge with adequate curing for required days
 $8 \times 3' \times 3' \times 6'' = 36.00$
 $4 \times 4' \times 4' \times 6'' = 32.00$
 $1 \times 19' \times 2' \times 4'' = 12.54$
 $80.54 \text{ cft or } 2.28 \text{ cum}$
 @ 2710/cum.....

Rs. 6179.00

4. R.C.C (1 : 2 : 4) using 12mm size H. G. C. B. chips including centering, shuttering False work etc. and dismantling the same after completion of work on required days with cost, carriage, royalty, Taxes etc. of all materials, all labour, T & P etc., complete finished with adequate curring for required days and as per the direction of the Engineer-in-charge.
 - a) Col. Base
 $8 \times 2'6'' \times 2'6'' \times 6'' = 25.00$
 $4 \times 3'6'' \times 3'6'' \times 6'' = 24.50$
 $8 \times 2'6'' \times 2'6'' + 1' \times 1' \times 1' = 29.00$
 $\frac{2}{2}$
 $4 \times 3'6'' \times 3'6'' + 1' \times 1' \times 1' = 26.50$
 $\frac{2}{2}$ $105.00 \text{ cft or } 2.97 \text{ cum}$
 @ 3685/cum.....

Rs. 10944.00
 - b) Coloumn
 $8 \times 10'' \times 10'' \times 5'6'' = 30.31 \text{ cft}$
 $4 \times 10'' \times 10'' \times 6'6'' = 17.91$
 $48.22 \text{ cft or } 1.36 \text{ cum}$
 @ 5857/cum.....

Rs. 7966.00

5. Labour charges for cutting, bending, binding of M.S. rod with supply of M.S. rod of approved brand i.e. SAIL/TATA with cost, Carriage, Taxes etc. of M.S. Rod

and binding wire and lying the same at the approved place on approved design etc. complete finished as per the direction of the Engineer-in-Charge= 3.71Qntl @ 6470.00

Rs. 24004.00

6 CC (1:2:4) using 12 mm chips with cost, carriage, royalty, Taxes etc. of all materials, all labour, T & P etc., complete finished with adequate curring for required days and as per the direction of the Engineer-in-charge.

$$765 \times 1'6'' \times 1'6'' \times 1'6'' = 2581.87$$

$$\text{At DPC Level} = 1 \times 19' \times 1'8'' \times 3'' = 7.88$$

$$(-) 765 \times 4 \frac{1}{2}'' \times 4 \frac{1}{2}'' \times 1'6'' = (-) 157.09$$

$$2432.66 \text{ cft or } 68.84 \text{ cum}$$

$$\text{@ } 3580/\text{cum} \dots \dots \dots$$

Rs. 246447.00

7 R. R. Stone Masonary in C.M. (1 : 6) in F & P with cost, carriage, Rayalty, Taxes etc. of all materials, all labor, T &P etc. complete finished as per the direction of the Engineer-in-charge with adequate curring for required days.

$$1 \times 19' \times 1'8'' \times 2'4'' = 73.49 \text{ cft or } 2.08 \text{ cum}$$

$$\text{@ } 1454/\text{cum} \dots \dots \dots$$

Rs. 3024.00

8 Brick masonry in C.M.(1:6) in Suptt. Using good quality .brick having c/s 100 to 149 Kg/Cm2 with cost, carriage, royalty ,taxes etc. of all materials, all labour, T & P etc. complete finished as per the direction of the Engineer-in-charges with adequate Curring for required days & immersion of bricks in water before 24 hours of use

$$1 \times 19' \times 10'' \times 5'6'' = 86.73 \text{ cft or } 2.45 \text{ cum}$$

$$\text{@ } 1875/\text{cum} \dots \dots \dots$$

Rs. 4594.00

9 12 mm thick C.P (1 : 4)

$$2 \times 19' \times 5'6'' = 209.00$$

$$12 \times 5'6'' \times 3'4'' = 219.78$$

$$428.78 \text{ sft or } 39.83 \text{ sqm}$$

$$\text{@ } 57.40/\text{sqm} \dots \dots \dots$$

Rs. 2286.00

10 Supply, fitting, fixing of RCC fencing pillars

$$(5'' \times 5'' / 4'' \times 4'') \text{ of } 6' \text{ high} = 765 \text{ Nos.}$$

$$\text{@ } 218/\text{Nos} \dots \dots \dots$$

Rs. 166770.00

11 Supply, fitting, fixing of Link zali for fenching and tying with the RCC Pillar (Labour only)

$$1 \times 6972' \times 4'6'' = 31374.00 \text{ sft or } 2914.64 \text{ sqm}$$

$$\text{@ } 38/\text{sqm} \dots \dots \dots$$

Rs. 110756.00

12 Cost of Zali

$$\text{Qnty. as per Item No. 11} = 31374 \text{ sft}$$

$$\text{@ } 18/\text{sft} \dots \dots \dots$$

Rs. 564732.00

13 Supply, fitting, fixing of MS Angular gate

$$1 \times 10' \times 5' = 50.00$$

$$1 \times 8'4'' \times 5' = 41.65$$

$$1 \times 9'6'' \times 5' = 47.50$$

$$1 \times 8'4'' \times 5'2'' = 42.98$$

$$182.13 \text{ sft @ } 3 = 546.39 \text{ Kg}$$

$$\text{@ } 65.70/\text{Kg} \dots \dots \dots$$

Rs. 35898.00

14 Water proof cement paint two coat over a coat of cement wash using approved shade and brand of cement paint with cost carriage, taxes etc. of all materials, all labour T&P etc. complete finish as per the direction of the Engineer-in- charge

$$765 \times 1'8'' \times 5' = 6349.50$$

2 x 19' x 5'6" = 209.00

12 x 5' x 3'4" = 199.80

6758.30 sft or 627.85 Sqm

@ 24 / Sqm.....

Rs. 15068.00

15 Cost of wire for tying of the zali with Pillar (As per Voucher)

Rs. 4067.00

16 Painting two coat over a coat of primer on wood and MS work using approved brand and shade of paint and primer including cost, carriage, labour T & P taxes etc. complete

0.50 x 182.13 = 91.06 sft or 8.46 sqm

@ 66/sqm.....

Rs. 558.00

Rs. 1207705.00

Supervision 2%

Rs. 24154.00

Labour Cess 1%

Rs. 12077.00

Total **Rs. 12,43,936.00**

Limited to **Rs. 11,26,820.00**

REPORT

This is working estimate amounting to Rs. 11,26,820/- (Rupees Eleven Lakh Twenty Six Thousand Eight hundred Twenty) only for Construction of Corridor & Link Zali fencing at Jaringgi Goat Farm, Dist - Kalahandi.

This is R.C.C. fencing post for 6' height to be installed by CC (1 : 2 : 4) cement concrete. The Link Zali to be provided in fencing 4" x 4" size with 10 gauges MS wire.

This estimate prepared as per approved tender rate. It covers more than 12 acres of land for grazing of goats without watch & ward for animals.

Asst Engineer (Civil)