

कार्यालय प्रधान मुख्य वन संरक्षक (कक्ष-विकास), मध्यप्रदेश  
ए-विंग-द्वितीय तल, वन भवन, तुलसी नगर, लिंक रोड-2, भोपाल-462003

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क्रमांक/एफ-02/ /2023-24/10-3/922  
प्रति,

भोपाल, दिनांक 12/02/24

समस्त मुख्य वन संरक्षक (क्षेत्रीय)  
समस्त क्षेत्र संचालक, (टाइगर रिजर्व)  
समस्त संचालक (राष्ट्रीय उद्यान)  
समस्त मुख्य वन संरक्षक (सामाजिक वानिकी)  
समस्त वनमंडलाधिकारी (क्षेत्रीय/वन्यप्राणी)  
मध्यप्रदेश।

विषय:-वन विभाग में निर्मित किये जाने वाले वनमंडल कार्यालय का संशोधित प्राक्कलन।

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उपरोक्त विषयक भवन निर्माण की प्रचलित दरों के पुनरीक्षण हेतु गठित समिति की बैठक दिनांक 14.02.2024 को वन विभाग में निर्मित किये जाने वाले "वनमंडल कार्यालय" के संशोधित प्राक्कलन का अनुमोदन किया गया है। संशोधन अनुसार वनमंडल कार्यालय की पुनरीक्षित दर निम्नानुसार है :-

राशि लाख रु. में

भवन का प्रकार	भवन निर्माण हेतु राशि	फेसिंग/बाउण्ड्रीवाल हेतु राशि	योग
वनमंडल कार्यालय	82.00	4.00	86.00

वनमंडल कार्यालय के पुनरीक्षित प्राक्कलन की प्रति संलग्न है।

संलग्न:-उपरोक्तानुसार

(असीम श्रीवास्तव)

प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख  
मध्य प्रदेश, 12/02/24  
भोपाल, दिनांक

क्रमांक/एफ-02/ /2023-24/10-3/922

1. प्रधान मुख्य वन संरक्षक एवं मुख्य कार्यपालन अधिकारी (कैम्पा) मध्यप्रदेश, भोपाल की ओर उनके पत्र क्रमांक/कैम्पा/343-II/542 दिनांक 16.02.2024 के तारतम्य में सूचनार्थ।
2. अपर प्रधान मुख्य वन संरक्षक (सूचना एवं प्रौद्योगिकी) मध्यप्रदेश, भोपाल की ओर वनमंडल कार्यालय के पुनरीक्षित प्राक्कलन की प्रति सहित आवश्यक कार्यवाही हेतु अग्रेषित। कृपया पुनरीक्षित प्राक्कलन विभाग की वेबसाईट पर अपलोड करने का कष्ट करें।
3. वरिष्ठ निज सहायक, प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख, मध्यप्रदेश की ओर सूचनार्थ।

(असीम श्रीवास्तव)

प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख  
मध्य प्रदेश

ESTIMATE FOR THE OFFICE OF DIVISIONAL FOREST OFFICER  
(According to PWD building sor – 2022)

(Total Area = 5370 sq.ft + Porch 457 sq. ft)

- |                                   |  |
|-----------------------------------|--|
| 1. C/C length of walls            | = 72.5+(83.25x2)+91+35+(38x2)+(10.75x2)+<br>(24x6)+8+(9x3)+(8x3)+(28x4)+(20x2)+(10x2)+12<br>= 849.5 running feet<br>= 258.99 running meter |
| Deduction of columns              | = 849.5 – ( 56 x1.5 )<br>= 765.5 running feet<br>= 233.38 running meter  |
| 2. No.of columns in main building | = 55   |
| 3. No. of columns in porch        | = 1 ( circular)  |
| 4. Size of each column            | = 18 inches x 9 inches   |
| 5. Plinth                         | = 0.6 meter above ground level   |
| 6. Beam at plinth level           | = 9 inches x 12 inches   |
| 7. Beam at door level             | = 9 inches x 6 inches  |
| 8. Beam at slab level             | = 9 inches x 18 inches   |
| 9. Thickness of slab              | = 5 inches   |

Estimate of different works

- |                        |  |
|------------------------|--|
| 1. Excavation:         |  |
| (i) For columns        | = 56x1.0x1.0x1.2meter<br>= 86.40 cubic meter                                 |
| (ii) For walls         | = {233.38 – 112} x 0.22 x 0.5 +<br>11.51 x 0.22 x 0.5<br>= 17.29 cubic meter |
| (iii) Total excavation | = 103.69 cubic meter   |

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2. Filling foundation with 1:3:6 (M-10) cement concrete:

- (i) For columns =  $56 \times 1.0 \times 1.0 \times 0.1$   
= 5.6 cubic meter
- (ii) For walls =  $233.38 \times 0.3 \times 0.1 + 11.51 \times 0.3 \times 0.1$   
= 7.35 cubic meter
- (iii) For flooring in rooms =  $460.87 \times 0.1$   
= 46.09 cubic meter
- (iv) For flooring in porch =  $36.94 \times 0.1$   
= 3.69 cubic meter
- (v) Total CC = 57.13 cubic meter

3. R.C.C. work in 1:1.5:3 (M-20) in columns, beams, chajjas & slab:

- (i) Columns footing =  $56 \times (1 \times 1 + 0.30 \times 0.22) / 2 \times 0.3$   
= 8.96 cubic meter
- (ii) Columns upto plinth level =  $56 \times 1.2 \times 0.30 \times 0.22$   
= 4.44 cubic meter
- (iii) Column upto roof level =  $56 \times 3.1 \times 0.30 \times 0.22$   
= 11.46 cubic meter
- (iv) Beam at plinth level =  $(233.38 + 11.51) \times 0.22 \times 0.30$   
= 16.16 cubic meter
- (v) Beam at door level =  $(233.38) \times 0.22 \times 0.15$   
= 7.70 cubic meter
- (vi) Beam at slab level =  $(233.38 + 11.51) \times 0.22 \times 0.45$   
= 24.24 cubic meter
- (vii) Chajjas =  $16 \times 0.6 \times 1.5 \times 0.1$   
= 1.44 cubic meter
- (viii) Slab =  $555.81 + 100(\text{slab projection})$   
 $\times 0.125$   
= 81.98 cubic meter
- (ix) In stairs =  $5.99 \times 2.40 \times 0.1$   
= 1.44 cubic meter
- Total RCC = 157.82 cubic meter

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4. Steel required In RCC , = 1.75 % of volume of RCC  
= 21680 kg
5. Masonary in foundation/plinth = 233.38x0.22x0.6  
= 30.80 cubic meter
6. Masonary in superstructure:
- (i) In main building = 233.38 x0.22x2.80  
= 143.76 cubic meter
  - (ii) Deduction for doors/windows = (1.20 x 2.10 x 17 + 1.07 x 2.1 x 3 + 1.2 x 1.2 x 16 + 0.60 x 0.30 x 30 + 2.44 x 2.1 1)x0.22  
= 18.29 cubic meter
  - (iii) Masonary in stair case tower = 2x(6.3+2.25)x2.1x0.22  
= 7.900cubicmeter
  - (iv) Masonary in parapet wall = 88.58x0.75x0.22  
= 14.62
  - (v) Total Masonary = 147.99 cubic meter
7. Plaster in 1:6 cement mortar
- (i) In main building = 2x258x3.3  
= 1702.8 square meter
  - (ii) In parapet wall = 2 x 88.58 x 0.75  
= 132.87 square meter
  - (iii) In roof = 655.81 sq.m
  - (iii) Deduction for doors/windows = 2x(17 x 1.2 x 2.1+3 x 1.07 x 2.1+16x 1.2 x 1.2 + 30 x 0.60 x 0.30 + 2.44x2.1 x 1)  
= 166.29 square meter
  - (iv) Total plaster = 2325.19 square meter

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**8. Centering and shuttering:**

- (i) For Columns =  $56 \times 1.34 \times 4.6$   
= 345.18 square meter
- (ii) For beam at plinth level =  $(233.38 + 11.51) \times 0.60$   
= 146.93 square meter
- (iii) For beam at door level =  $(233.38) \times 0.30$   
= 70.01 square meter
- (v) For beam at roof level =  $(233.38 + 11.51) \times 1.12$   
= 274.28 square meter
- (vi) For chajjas =  $16 \times 0.6 \times 1.5$   
= 14.4 square meter
- (vii) For slab = 655.81 sq.m
- (viii) Total shuttering = 1506.61 square meter

9. Filling foundation with moorum =  $497.81 \times 0.6$

= 298.68 cubic meter

10. Wood required for frames

=  $0.0635 \times 0.127 \times (17 \times 5.49 + 3 \times 5.34)$

= 0.882 cubic meter

11. Pannel work for doors/window

=  $(17 \times 1.20 \times 2.1 + 3 \times 1.07 \times 2.1)$

= 89.58 square meter

12 Flooring

= 497.81 square meter

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ESTIMATE OF EXPENDITURE FOR THE OFFICE OF DIVISIONAL FOREST OFFICER

Sr.	SOR item no.	Description of the work	Quantity	Rate in Rs.		Amount
				Amount	Unit	
1	2.2	Clearing jungle including uprooting of rank vegetation, grass, Brush wood etc..	700	4.14	Sqm	2898
2	2.6	Earth work in excavation in all kinds of soil	103.69	129.00	Cum	13376.01
3	4.1.1.4	Filling foundation-Providing and laying in position cement concrete of M-10 grade with 20 mm nominal size graded stone aggregate	57.13	3890.00	Cum	222235.7
4	5.1.1	Providing and laying in position M-20 grade of reinforced cement concrete with 20 mm nominal size graded stone aggregate excluding cost of centering/shuttering/steel	157.82	6153.00	Cum	971066.46
5	5.16.6	Reinforcement for RCC work including straightening, cutting, Bending etc with TMT bars	21680	80.00	Kg	1734400
6	6.5.2	Brickwork with well burnt open bhatta bricks with crushing strength no less than 25 kg/sq.cm and absorption not more than 20% in 1:6 cement mortar	30.80	4155.00	Cum	127974
7	6.6.2	Brickwork with well burnt chimney bricks with crushing strength not less than 25 kg/sq.cm and absorption not more than 20% in 1:6 cement mortar	147.99	4350.00	Cum	643756.5
8	13.2.2	15mm thick plaster in 1:6 cement mortar	2325.19	168.00	Sqm	390631.92
9	5.9.1	Centering and shuttering including removal in beams, columns, Slab etc	1506.61	190.60	Sqm	287159.86
10	2.26	Supplying and filling in plinth with Stone dust including ramming, Watering etc	298.68	672.00	Cum	200712.96
11	9.1.2	Providing wood work in frames of doors and fixed in position with Sal wood	0.882	71309.00	Cum	62894.53

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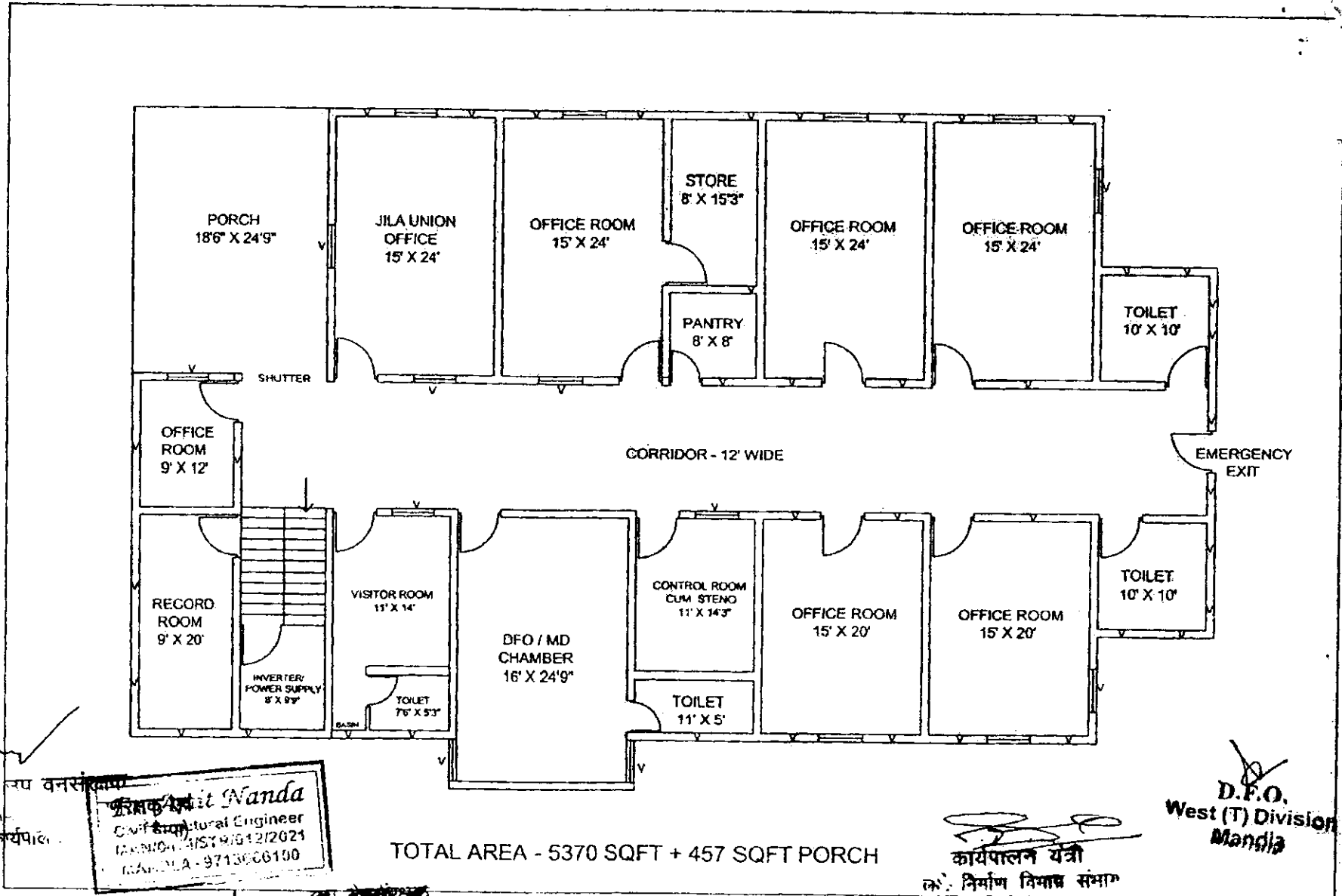
Sr.	SOR item no.	Description of the work	Quantity	Rate in Rs.		Amount
				Amount	Unit	
12	9.5.2.2	Providing and fixing paneled shutters for doors with prelaminated board with decorative lamination on one side and balancing lamination on other side..	89.58	1956.00	Sqm	175218.48
13	11.78.1. 1	Providing and laying vitrified floor tiles laid on 20mm thick cement mortar in 1:4 with 600 mm x 600 mm x 9mm size tiles (additional 10% for skirting )	546	1104.00	Sqm	602784
14		Cost of window grills as per market rate	900	80.00	Kg	72000
15		UPVC window frame 3tracks Sliding (2Glass+1Mosquito Mesh shutter)	LS			150000
16		Cost of septic tank of size 8 feet x 8 feet x 8 feet ; 1no. + Rain water harvesting of size - 5' x 5' x 5' ...	LS			70000
		Miscellaneous Expense	LS			50000
17		Total				5777108.42
18		Add 5% for electrification				288855.42
19		Add 3% for sanitary fittings including 1500 liter tank				173313.25
20		Add for tile work in bath/toilets	LS			60000
21		Add 6% for white washing (with 2 coats of cement based putty and emulsion				341466.51
22		Add for FLAG Post in front of building ..	LS			15000
23		Cost of 1 AC + 15 fans	LS			75000
24		Add for aquaguard + water cooler	LS			40000
25		Add for pantry + chimney	LS			40000
26		Add for railing of staircase	LS			70000
		Total				6885903.60
27		Add for GST	18.00%			1239462.65
		Total				8125366.25
28		Add 1% for labour wel fare tax				81253.66
		Grand Total				8206619.91

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TOTAL AREA - 5370 SQFT + 457 SQFT PORCH

कार्यालय  
मुख्य कार्यपालक

**श्री केशव Nanda**  
 Civil Engineer  
 MANDLA - 9713066100

श्री. प्रधान मुख्य निरीक्षक एवं  
 मुख्य कार्यपालन अधिकारी (कैम्पा)

कार्यपालन यंत्री  
 क. निर्माण विभाग संभा  
 मण्डला (म.प्र.)

D.F.O.  
 West (T) Division  
 Mandla

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