

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

ई-मेल: mpctdcey@mp.gov.in

क्रमांक/एफ-02/ /2024-25/10-3/3402
प्रति,

भोपाल, दिनांक 12/11/24

अपर प्रधान मुख्य वन संरक्षक,
सूचना प्रौद्योगिकी,
मध्यप्रदेश, भोपाल

विषय:-क्षेत्र संचालक कार्यालय एवं मुख्य वन संरक्षक/वन संरक्षक/वनमंडल अधिकारी
आवास के संशोधित प्राक्कलन के संबंध में।

-0-

उपरोक्त विषयक प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख द्वारा गठित समिति द्वारा
क्षेत्र संचालक कार्यालय एवं मुख्य वन संरक्षक/वन संरक्षक/वनमंडल अधिकारी आवास
के संशोधित प्राक्कलन अनुमोदन किया गया है, जिसकी छायाप्रति संलग्न है। कृपया
संशोधित प्राक्कलन विभाग की वेबसाइट पर अपलोड करने का कष्ट करें।

संलग्न :- 3 वस्तुसूची

(डॉ. यू. के. सुबुद्धि)

प्रधान मुख्य वन संरक्षक (विकास)
मध्य प्रदेश, भोपाल

भोपाल, दिनांक 12/11/24

पृ.क्रमांक/एफ-02/ /2024-25/10-3/3402
प्रतिलिपि:-

1. समस्त मुख्य वन संरक्षक, क्षेत्रीय एवं सामाजिक वानिकी वृत्त, मध्यप्रदेश, भोपाल की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित
2. समस्त क्षेत्र संचालक, राष्ट्रीय उद्यान एवं अभ्यारण्य, मध्यप्रदेश की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
3. समस्त वनमंडलाधिकारी, क्षेत्रीय वनमंडल की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

(डॉ. यू. के. सुबुद्धि)

प्रधान मुख्य वन संरक्षक (विकास)
मध्य प्रदेश, भोपाल

कक्ष/कर्मचारी नाम
शरत

भोपाल, दिनांक
12/11/24

Sharat
for compliance
12/11/24

कार्यालय मुख्य वन संरक्षक एवं क्षेत्र संचालक पेंच टाईगर रिजर्व सिवनी (म.प्र.)

क्रमांक / लेखा / ... 5160
प्रति

सिवनी, दिनांक / 1.5.10/24

प्रधान मुख्य वन संरक्षक
(विकास)
वन भवन, भोपाल (म.प्र.)

द्वारा :- प्रधान मुख्य वन संरक्षक (वन्यजीव) मध्यप्रदेश भोपाल।
विषय :- नवीन क्षेत्र संचालक कार्यालय भवन की स्वीकृति प्रदान करने बाबद।

निवेदन है कि पेंच टाईगर रिजर्व, सिवनी के अंतर्गत क्षेत्र संचालक कार्यालय नवीन भवन का निर्माण कार्य कराया जाना प्रस्तावित है। भवन का प्रथम चरण की राशि 150.00 लाख का प्लान स्टीमेट आपकी ओर संलग्न सम्प्रेषित है।

कृपया उपरोक्त भवन के निर्माण की स्वीकृति प्रदान करने का कष्ट करें। प्रशासकीय स्वीकृति मिलने के उपरांत विस्तृत प्रॉक्कलन प्रस्तुत किया जावेगा।
संलग्न - उपरोक्तानुसार।

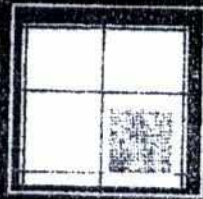
क्षेत्र संचालक
पेंच टाईगर रिजर्व,
सिवनी (म.प्र.)

OK

**PROPOSED
OFFICE BUILDING
FOR
PENCH NATIONAL PARK
AT
SEONI, M.P.**

**PROJECT REPORT
(BUILDING COST 150.00 LACS)**

Submitted To
**THE FIELD DIRECTOR
PENCH NATIONAL PARK, SEONI, M.P.**



ARCHITCT

ALOK TOMAR

B.Arch., M.C.A., A.I.A., P.E.

ARCHITECT, PLANNER & V.A.

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Ph. - 07632-243885

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI


PREFACE

A project report identifying the components of estimate or investment in construction required for Proposed Office Building for Pench National Park, Department of Forest, Govt. of M.P. at Seoni M.P. has been prepared by Mr. Alok Tomar Architect in co-operation with the Park Officers. The Building Project has been drawn for State government assistance. The total estimated cost of the Building Construction Cost in First Phase is Rs. 150.00 Lacs

The eligible central share & other institute share, implement agency's share (suitable contribution in the form of land) are required for the Project.

As such assistance in project outlet may be release during the current financial year for executing the project for Construction of Office Building for Pench National Park, Dept. of Forest, at Seoni, M.P.

Seoni, M.P.
18th Sept. 2024


Joint Director,
Pench National Park

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

GENERAL REPORT

1. **Name of work** : Construction of Office Building for Pench National Park, Department of Forest, at Seoni M.P.
2. **Client** : Pench National Park
3. **Architect** : Alok Tomar, Seoni M.P.
4. **Executing Agency** : Pench National Park, Seoni M.P.
5. **Source of Fund** : By Govt. assistance
6. **Amount of Estimate** : Probable amount of estimates worked out to amount Rs 150.00 Lacs (In First Phase)
7. **Schedule of Rates** : The Stage-I estimates will be prepared on Area Basis with Approved Norms.
8. **System of execution** : The work shall be executed through Contract.
9. **Time Period** : Time period for execution is as per PWD/Govt norms.
10. **Scope of work** : The project covers Construction & Development of Office Building for Field Director, Pench National Park, Dept. of Forest with all necessary requirement and Facilities along with all internal & external development & services works.
11. **Site Development** : The estimate for site development are prepared keeping in view of features of site and surrounding features.
12. **Preliminary drawings** : The plan of proposed construction is evolved in a manner to provide harmonious atmosphere of wholeness in the campus and also functional and economical. The proposed buildings planned and located with elegance. Functionality and cost effectiveness specially in urban setting and the parking and open area are planned the manner so as to provide friendly and healthy atmosphere for users with all essential facilities appropriate provisions of parking and greenery has also been made inside the campus.
13. **External services** : External services are designed with due consideration of future expansion of campus. Most of the services such as roads, pathways, area drainage, septic tank, and the supply lines etc are designed for campus.
14. **Specifications** : The proposed specification and provisions for construction and site development work as per PWD Govt norms.

Alok Tomar
Architect
Seoni M.P.

GENERAL SPECIFICATION FOR PROJECT

The specification for construction of the proposed Buildings and Development works are drafted in such a manner that these can be adopted for urban location with the following concept.

1. Foundations

- The column footing framed foundation shall be provided with base course 1:3:6 in case of soils with adequate bearing capacity
- The foundation depth shall be 1.8 – 2.1 m below ground level depending upon soil parameters

2. Anti Termite Treatment

- Foundation, Column pits, plinth the area of plinth protection shall be provided with pre constructional anti termite treatment (if required) to create a barrier against termite as per practices of I.S. provisions

3. Plinth

- Plinth shall be 900 mm to 1000 mm above the existing top level of the main road
- In the plinth column footing framed foundation with brick masonry shall be done

4. Damp Proof Course

- 50 mm thick cement concrete 1:2:4 with a thick coat of bitumen painted on top shall be provided

5. Super Structure

- All walls (if required) shall be of thickness 200 mm in cement mortar 1:6 as per design or availability of local brick/block RCC framed structure the superstructure shall be of 200 mm filler walls and 100 mm thick partition walls in cement mortar 1:6 as per design requirements
- Internal/partition wall shall be of half brick (100 mm thick) in cement mortar 1:4 with normal reinforcement

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

6. Lintel and Chhajjas

- Cast-in-situ or precast lintels shall be designed and provided as composite section.
- Chhajjas, fins, jalis, sun shades, dropwalls etc. shall be suitably provided as per design.

7. Doors and Windows

7.1 Frames and Shutters –

- Door frames of Aluminum Section/Pressed Steel and MS angle iron shall be provided in all doors.
- Laminated board panel in the II class treated wood items as per IS specifications.
- Factory made standard rolled steel sections windows with box type hinges shall be provided for Vent..
- Glazed Aluminium and MS standard section window shall be provided with MS Grills glazing panels shall be kept of smaller size to minimize breaking along with necessary arrangement .
- Toilet doors shall be provided with PVC or aluminum steel covered up to one meter in respect of flush doors.
- Fully glazed aluminium doors with frame and shutter shall be provided at entrance.

7.2 Fittings –

- All fittings and fixtures of door and window shall be heavy duty iron fittings or aluminum conforming to IS specifications and shall be fixed in such a manner that these fittings do not come out when used by the Users.

8. Flooring

- Entrance, waiting, staircase, corridors, ward, toilets, shall be provided with Marble/Kota stone as per functional requirements
- In other spaces ordinary cement concrete & vitrified tile flooring shall be provided.

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

- Window sill shall be provided with polished marble/granite/sand stone or Kota stone so as to avoid breaking of ages
- Plinth protection shall be finished by local sand stone or PPC.

9. Skirting and Dado

- Skirting of 150 mm height shall be provided in all spaces matching to the flooring.
- Dado in toilets, Bathrooms corridor and ward etc. shall be provided with glazed tiles.

10. Roofing

- 120 mm thick RCC slab in M 20 mix & for parking or GI /NAC sheet over steel trusses for roofing.

11. Finishes

- All internal walls shall be finished with cement plaster.
- External walls shall be finished with color washed water proof cement paint
- All RCC external chhajjas, fins and external wall surface shall be finished with water proofing cement paint.
- All internal walls and ceiling shall be white washed.
- All doors and windows shall be painted with synthetic enamel paint over suitable primer

12. Expansion Joints

- Expansion joints with copper/aluminum cradle with bitumen filler shall be provided. The vertical and bottom shall have aluminum/steel covering fixed in such a manner that it does not come out.

13. Internal Water Supply & Sanitary Works

- All internal water supply and sanitary fittings shall be provided as per IS: 1752 following code of relevant IS provision.

14. Internal Electrical Installation

- Ceiling fans: Ceiling fans shall be provided as per IS: 1752 nos. to maintain the temperature.

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

- Light points and fittings (fluorescent tubes) shall be provided by working out optimum solution for day light and artificial light as per IS provisions or National Building Code.
- All wiring shall be PVC conduit/channel wiring to minimize the maintenance.
- All power wiring shall be done concealed conduit wiring.

15. Sanitary Fittings

- Wash basin shall be provided and finished by Stone Platform to avoid breakage and maintain cleanliness.
- Lipped unnaals shall be provided in gent's toilets and half glazed channels with partition may be provided if necessary.
- W.C. pan shall be Orissa / Weston pattern and flushing cistern with chain shall not be provided and instead of this flush valve be provided for cleaning with adequate water storage system.
- All GI/CPVC pipes shall be of 1st class.
- All drinking water taps are shall be provided with polished stone or glazed tiles for caste of cleanliness.

16. External Water Supply and Sanitary System

- The provision for tube well, under ground pumps, over head tank shall be made as per the requirements of the water supply for the campus.
- For sewage disposal septic tank, soak pits of adequate capacity shall be provided at suitable locations.

17. External Electrification

- The Field Director, Pench National Park shall arrange service connections from M.P. Electricity Board and shall lay the supply lines through poles or underground cabling as per requirement of M.P. Electricity Board.
- Security lights with sodium vapor lamps shall be provided at all turning points of buildings for proper illumination of surrounding areas.
- All approach roads and path ways leading to principal buildings to be used at night shall be provided with permanent light arrangements.

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

18. Site Development Work

- Proper drainage system around the proposed building & campus.
- Plantation scheme and other horticulture work in the campus shall be properly earmarked.
- Leveling (Cutting & Filling) shall be restored to minimum depending upon site conditions, orientation and seating of buildings.
- All open drains shall be covered with precast slabs with grating for human safety and also ease of maintenance
- All MCB's / distribution boards shall be provided at a proper height beyond person reach with locking arrangements.
- All openings in the buildings shall be provided with grills / collapsible gates to ensure safety and security.
- Ramp at main entrance shall be provided for physical disable staff/visitors.


OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

GENERAL ABSTRACT

Name of work : The project covers Construction and Development of Office Building for Field Director, Pench National Park, Dept. of Forest with all necessary requirement and Facilities along with all internal & external development & services works at Seoni M.P.

S.N.	Name of work	Amount in Lacs
1.	Construction of Office Building (i/c Ground & First Floor)	144.00
	Add Cost of Tube Well	2.50
	Total	146.50
	Add 2.50% for Consultancy (Architect) Charges	3.66
	Total (A)	150.01
	In First Phase	Say Rs 150.00
	Rs. One Crore Fifty Lacs	
2.	Site Development works	
a.	Add Cost for external services work i/c. site leveling, surface drainage, sewerage system, road & pathway and external electrification work.	10.00
b.	Add cost of Solar System, Rain Water Harvesting & DG set	5.00
c.	Add cost for miscellaneous structure i/c santri Kiosk, Dry room and Parking Shed etc.	5.00
d.	Add cost for land escaping i/c Fountain, Toe wall and railing	5.00
	In Second Phase	Total (B) 25.00
	Total (A + B)	175.00
	Add for external service connection i/c MPEB & Other Charges	3.00
	Grand Total	178.00

Say Rs. 178.00 Lacs


Atok Tomar
 Architect
 Seoni (M.P.)

OFFICE BUILDING, PENCH NATIONAL PARK, SEONI

PRELIMINARY ESTIMATE

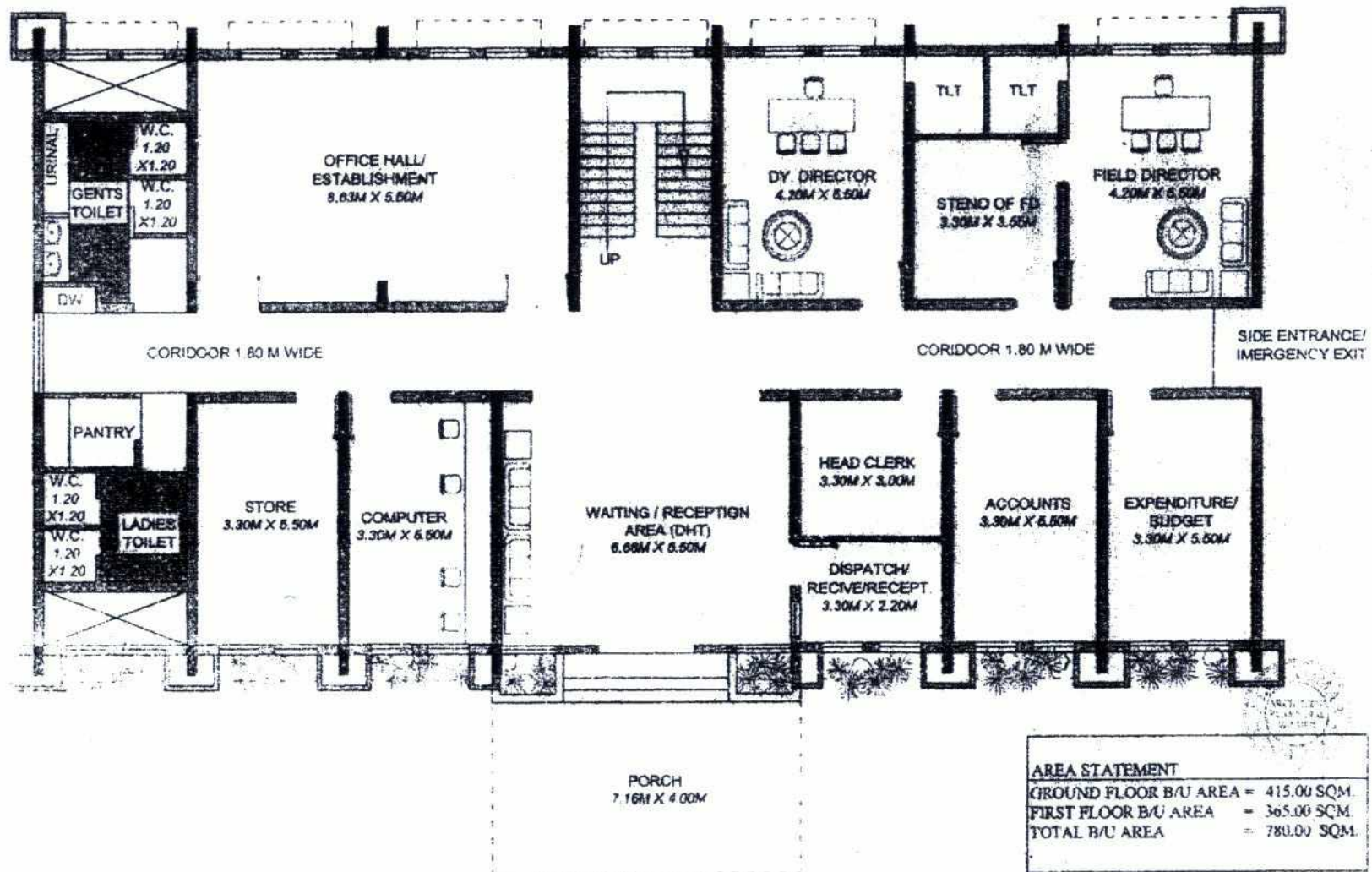
Office Floors

Name of work : Construction of Office Building for Field Director, Pench National Park, Dept. of Forest with all necessary requirement and Facilities along with all internal & services works at Seoni M.P.

Agency : Pench National Park, Seoni, M.P.

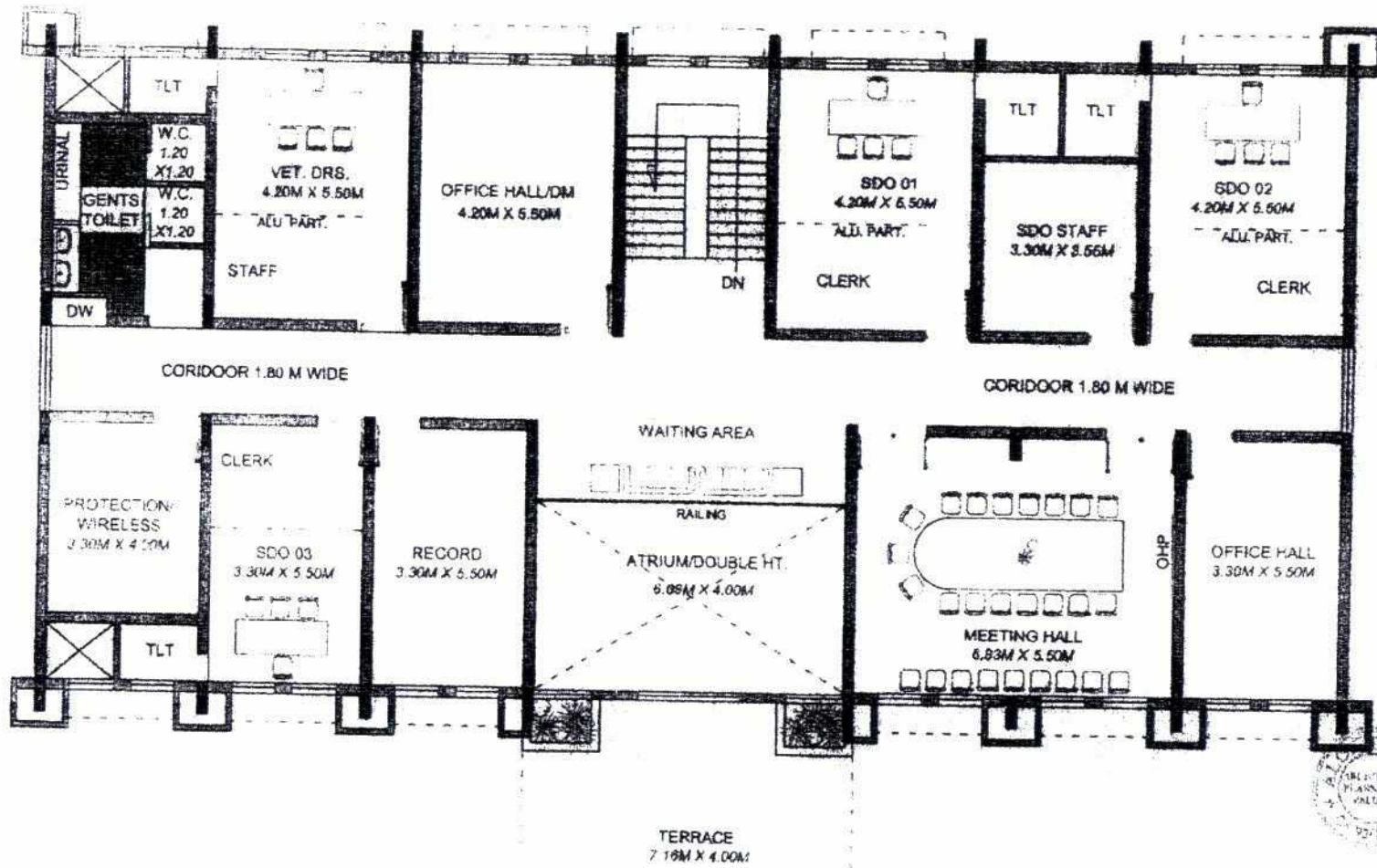
Name of Work	Plinth area sqm.	Plinth area rate/ Rs. per unit	Amount lacks
Construction of Office Building (Ground & First Floor) with all necessary requirement and Facilities along with all internal services works. i/c water supply, sanitary fittings and electric fitting etc. complete with fixtures as per requirement of client with column footing framed foundation. GFL B/U Area = 415.00 Sqmt. FFL B/U Area = 365.00 Sqmt. Total B/U Area = 780.00 Sqmt. (Including Porch and Stairs -- shown in Drawings)	780.00	15000.00	117.00
Total			117.00
Add 10.00% for internal water supply and sanitary fittings			11.70
Add 13.00% for internal electrification i/c Fittings			15.21
Grand Total			143.91
Say Rs.			144.00

Date: _____
 By: _____
 (Signature)



GROUND FLOOR PLAN

PROPOSED OFFICE BUILDING FOR DY. DIRECTOR, PENCH NATIONAL PARK AT PENCH NATIONAL PARK	OFFICE BUILDING GROUND FLOOR PLAN. B/U AREA = 415.00 SQ. MTS.	DY. DIRECTOR	ARCHITECT	01
	SCALE - BY A/LT. MONU DRG. NO. 1 DATE:	PENCH NATIONAL PARK, PENCH N.P.	AJOK TOMAR TRINAGRI, BARAPYA ROAD, SIDDI (B.P.) PH. 07852-224251 KALABURGI (M.P.) PH. 07679-241432 (MO) 9100226255, 9425178410	



FIRST FLOOR PLAN

AREA STATEMENT	
GROUND FLOOR B/U AREA =	415.00 SQM.
FIRST FLOOR B/U AREA =	365.00 SQM.
TOTAL B/U AREA =	780.00 SQM.

PROPOSED OFFICE BUILDING FOR FIEI D DIRECTOR, PENCH NATIONAL PARK AT SEONI (M.P.)	OFFICE BUILDING FIRST FLOOR PLAN. B/U AREA = 365.00 SQ. MTS.	DY. DIRECTOR PENCH NATIONAL PARK, SEONI, M.P.	ARCHITECT	02
	SCALE :		ALOK TOMAR	
	DEALT MONTH		"TOMAR", BARABHITA ROAD, SEONI (M.P.) PH. 07692 224431	
	DRG. NO. DATE		BALAGHAT (M.P.) PH. 07652-243955 (NS) - 8462804215, 9415174890	

कार्यालय वनमण्डलाधिकारी वनमण्डल उमरिया (म.प्र.)

E-mail -dfotumaria@mp.gov.in

क्रमांक/व्यय/ 1883

उमरिया, दिनांक 25/10/24

प्रति,

प्रधान मुख्य वन संरक्षक
(कक्ष-विकास)
मध्य प्रदेश-भोपाल

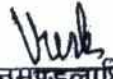
विषय :- वित्तीय वर्ष 2024-25 में योजना क्रमांक 4342 वन अद्योसंरचना का सुदृणीकरण अन्तर्गत वनमण्डलाधिकारी आवास उमरिया के नब्र निर्माण की स्वीकृति वावत् ।
संदर्भ :- उपवनमंडलाधिकारी उमरिया के पत्र क्रमांक 2827 दिनांक 11.10.2024

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उपरोक्त विषयान्तर्गत निवेदन है कि, वनमण्डलाधिकारी आवास आर- 01 का निर्माण कार्य लगभग 68-69 वर्ष पूर्व कराया गया था, जो कि वर्तमान में जीर्णशीर्ण एवं जर्जर होने के कारण निवास योग्य नहीं है ।

अतः निवेदन है, कि वित्तीय वर्ष 2024-25 में योजना क्रमांक 4342 वन अद्योसंरचना का सुदृणीकरण अन्तर्गत वनमण्डलाधिकारी आवास निर्माण की प्रोजेक्ट एवं नक्शा की स्वीकृति प्रदान करते हुये बजट उपलब्ध कराये जाने का कष्ट करें । विवरण निम्नानुसार है


क्र.	योजना का नाम	भवन का प्रकार	स्थल	लगत राशि
1	योजना क्रमांक 4342	वनमण्डलाधिकारी आवास	उमरिया	65,00,000
2	वन अद्योसंरचना का सुदृणीकरण	वाउण्डीवाल निर्माण, सोलर पेनल सिस्टम, रैमवाटर हारवेस्टिंग स्टेक्चर बोरवेल विथ केसिंग मोटर पाइप	उमरिया	24,70,000
		योग-		89,70,000


वनमण्डलाधिकारी
वनमण्डल उमरिया (म.प्र.)

पृ0क्रमांक/व्यय/ 1884

उमरिया दिनांक/ 25/10/24

प्रतिलिपि: मुख्य वनसंरक्षक वन वृत्त शहडोल की ओर सूचनार्थ सम्प्रेषित।


वनमण्डलाधिकारी
वनमण्डल उमरिया (म.प्र.)

शासक शासन वन विभाग वर्ष 2024-25



वनमण्डलाधिकारी आवास उमरिया निर्माण कार्य

वनमण्डल का नाम	- उमरिया
वनमण्डल का नाम	उमरिया (क्षे०)
क्षेत्र का नाम	- उमरिया (क्षे.)
कार्य स्थल का नाम	- वनमण्डलाधिकारी आवास उमरिया निर्माण कार्य

प्रस्तुतकर्ता
वनपरिक्षेत्राधिकारी उमरिया (क्षेत्रीय)
वनमण्डल उमरिया
जिला - उमरिया (उप्र०)

प्रोजेक्ट रिपोर्ट

वनमण्डलाधिकारी आवास उमरिया नव निर्माण कार्य वर्ष 2024-25

1. वन वृत्त का नाम :- सहडोल
2. वनमण्डल का नाम :- उमरिया
3. वनपरिक्षेत्र का नाम :- उमरिया
4. परिक्षेत्र सहायक वृत्त :- उमरिया
5. बीट का नाम :- उमरिया
6. कक्ष क्रमांक :- पी.एफ. 211
7. स्थल का नाम :- फारेस्ट कालोनी उमरिया
8. संलग्न समिति :- उमरिया



वनपरिक्षेत्राधिकारी
वनपरिक्षेत्र उमरिया (क्षे.)



उपवनमण्डलाधिकारी
उपवनमण्डल उमरिया (क्षे.)



वनमण्डलाधिकारी
वनमण्डल उमरिया (म.प्र.)

ESTIMATE OF CF/DCF RESIDENCE

(Total Area = 2367 sq. ft. + Porch 753 sq. ft)

1. C/C length of walls
= $50.3 \times 1 + 43 \times 1 + 48.9 \times 2 + 22.2 \times 1 + 12.9 \times 2 + 17.10 \times 2 + 15 \times 1 + 16.6 \times 2 + 7.6 \times 2 + 16 \times 2 + 16.9 \times 1 + 12.2 \times 2 + 6 \times 1$
running feet = 416 running feet
= 126.46 running meter
2. C/C length of court yard wall
= $46.25 \times 1 + 12.4 \times 2$
= 71.05 running feet
= 21.66 running meter =
38
3. No. of columns
= 26 nos. of size 12 inches x 9 inches
4. Size of each column
= 12 nos. of size 9 inches x 9 inches
= 0.5 meter above ground level
5. Plinth
= 9 inches x 9 inches
6. Beam at plinth level
= 9 inches x 6 inches
7. Beam at door level
= 9 inches x 12 inches
8. Beam at slab level
= 4 inches
9. Thickness of slab

Estimate of different works

1. Excavation:

1. For columns
= $38 \times 1.0 \times 1.0 \times 1.2$ meter
= 45.600 cubic meter
2. For walls
= $(126.46 + 21.66 - 76 \times 0.5) \times 0.3 \times 0.5 =$
16.518 cubic meter
3. Total excavation
= 62.118 cubic meter

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

- (i) For columns = $38 \times 1.0 \times 1.0 \times 0.1$
= 3.800 cubic meter
- (ii) For walls = $(126.46 + 21.66) \times 0.3 \times 0.1$
= 4.443 cubic meter
- (iii) For flooring in rooms = 219.9×0.1
= 21.99 cubic meter
- (iv) Total CC = 30.233 cubic meter

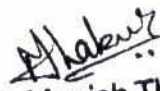
3. R.C.C. work in 1:1.5:3 (M20) in columns, beams, chajjas & slab:



- i. Columns footing = $26 \times (1 \times 1 + 0.30 \times 0.22) / 2 \times 0.3$
+ $12 \times (1 \times 1 + 0.22 \times 0.22) / 2 \times 0.3$
= 6.044 cubic meter
- ii. Columns up to plinth level = $26 \times 1.2 \times 0.30 \times 0.22$
 $12 \times 1.2 \times 0.22 \times 0.22$ = 2.756 cubic meter
- iii. Column up to roof level = $26 \times 3.1 \times 0.30 \times 0.22$ +
 $6 \times 3.1 \times 0.22 \times 0.22$ +
 $6 \times 1.8 \times 0.22 \times 0.22$
= 6.742 cubic meter
- iv. Beam at plinth level = $(126.46 + 21.66) \times 0.22 \times 0.22$
= 7.169 cubic meter
- v. Beam at door level = $126.46 \times 0.22 \times 0.15$
= 4.174 cubic meter
- vi. Beam at slab level = $126.46 \times 0.22 \times 0.30$
= 8.346 cubic meter
- vii. Chajja = $8 \times 0.6 \times 1.5 \times 0.1$
= 0.720 cubic meter
- viii. Slab = 287.34×0.1
= 28.734 cubic meter
- ix. In stair case = 1.200 cubic meter
- x. Total RCC = 65.885 cubic meter


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4. Steel required in RCC
 = 1.50 % of volume of RCC
 = 9882 kg
5. Masonry in foundation/plinth
 = $(126.46 + 21.66 - 38 \times 0.22) \times 0.22 \times 0.9$
 = 27.672 cubic meter
6. Masonry in superstructure:
- (i) In main building/courtyard
 = $126.46 \times 0.22 \times 2.80 + 21.66 \times 0.22 \times 1.8$
 = 86.476 cubic meter
- (ii) Deduction for doors/windows
 = $(6 \times 1.07 \times 2.1 + 7 \times 0.838 \times 2.1 + 3 \times 1.5 \times 1.35 + 4 \times 1.2 \times 1.35 + 1 \times 2.1 \times 2.1 + 6 \times 0.6 \times 0.45) \times 0.22$
 = 9.765 cubic meter
- (iii) Masonry in parapet
 = $2 \times 72.0 \times 0.75$
 = 9.454 cubic meter
- (iv) Masonry in staircase tower
 = $2 \times (5.03 + 2.59) \times 2.1 \times 0.22$
 = 7.041
- (v) Total Masonary
 = 112.73 cubic meter
7. Plaster in 1:6 cement mortar
- (i) In main building/courtyard
 = $2 \times 126.46 \times 3.3 + 2 \times 21.66 \times 1.8$
 = 912.57 square meter
- (ii) In parapet wall
 = $2 \times 72.0 \times 0.75$
 = 108 square meter
- (iii) In roof
 = 287.34 sq. m
- (iii) Deduction for doors/windows
 = $2 \times (6 \times 1.07 \times 2.1 + 7 \times 0.838 \times 2.1 + 3 \times 1.5 \times 1.35 + 4 \times 1.2 \times 1.35 + 1 \times 2.1 \times 2.1 + 6 \times 0.6 \times 0.45)$
 = 88.770 square meter
- (iv) Total plaster
 = 1396.68 square meter


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8. Centering and shuttering:

- (i) For Columns = $26 \times 1.07 \times 4.6 + 6 \times 0.88 \times 4.6 \times 4$
 $\times 0.22 \times 3.3 = 169.684$ square
meter
- (ii) For beam at plinth
leve = $(126.46 + 21.66) \times 0.3$
= 44.436 square meter
- (iii) For beam at door level = 126.46×0.525
= 66.3915 square meter
- (v) For beam at roof level = 126.46×0.96
= 121.401 square meter
- (vi) For chajjas + $8 \times 0.6 \times 1.5$
= 7.200 square meter =
- (vii) For slab 287.34 sq. m
- (viii) Total shuttering = 696.452 square meter

9. Filling foundation with moorum

= 287.34×0.5

= 147.67 cubic meter

10. Wood required for frames

= $0.0635 \times 0.127 \times (6 \times 5.334 +$
 $7 \times 5.105 + 3 \times 8.534 + 4 \times 5.4 + 1 \times$
 $8.4 + 6 \times 2.1)$

= 1.096 cubic meter

11. Frame work for doors/window

= $(6 \times 1.07 \times 2.1 + 7 \times 0.838 \times 2.1 +$
 $3 \times 1.5 \times 1.35 + 4 \times 1.2 \times 1.35 +$

$1 \times 2.1 \times 2.1 + 6 \times 0.6 \times 0.45) =$

44.385 square meter

= 219.90 square meter

12. Flooring


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Estimate of ex penditure for CF/DCT Residence POREN

Sl. No.	CSR item	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	350.00	4.14	Sqm	1449.00
2	2.6	Earth work in excavation in all kinds of soil				
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	62.118	129.00	Cum	8013.22
			30.233	3890.00	Cum	117606.37
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	65.885	6153.00	Cum	405390.41
5	5.16.6	Reinforcement for RCC work including straightening, cutting, bending etc with TMT bars	9882.00	80.00		790560.00
6	6.5.2	Brick work with well burnt open bhata bricks with crushing strength no less than 25 kg/sec and absorption not more than 20% in 1:6 cement mortar	27.627	4155.00	Cum	114788.18
7	6.6.2	Brick work with well burnt chimney bricks with crushing strength no less than 25 kg/sq.cm and absorption not more than 20% in 1:6 cement mortar	112.73	4350.00	Cum	490375.50
8	13.2.2	15 mm thick plaster in 1:6 cement mortar				
9	5.9.1	Centering and shuttering including removal in beams, columns, slab etc	1396.68	128.00	Sqm	178775
10	2.2.6	Supplying and filling in plinth with Stone dust including ramming, watering etc	696.452	190.60	Sqm	132743.75
			147.67	672.00	Cum	99234.24
11	9.1.2	Providing wood work in frames of doors and fixed in position with sal wood	1.096	71309.00	Cum	78155
12	9.5.2.2	Providing and fixing panelled shutters for doors with prelaminated board with decorative lamination on one side and balancing lamination on other side	44.385	1956.00	Sqm	86817
13	11.78.1.1	Providing and laying vitrified floor tiles laid on 20 mm thick cement mortar in 1:4 with 600 mm x 600 mm x 9mm size tiles (additional 10% for skirting)	219.90	1104.00	Sqm	242769.60
14		Cost of window grills (As per market rate)	450.00	95.00	Kg	42750.00
15		Upvc window frame 3track sliding 2(Glass+ 1Mosquito mesh shutter) and fly proof outer doors	LS			300000.00

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16	Cost of septic tank of size 6feetx6feetx6feet- 1hg.	LS	50000.00
17	Add 10% for electrification	Total	3139426.99
18	Add 10% for sanitary fittings including 1500 liter tank		313942.70
19	Add for tile work in bath/toilets		313942.70
20	Add 10% for white washing (with 2coats of cement based puty and emulsion)	LS	120000
21			313942.70
22	Add for washing area and shade in court yard with flagstone flooring		
24	Granite plat form with vertical support & ss sink	LS	100000
25	Ad for mailing of staircase/varandah		75000
26	Ad for 753 sq.ft porch		50000
27	Miscellenus Expences		707680
	Room for watchman		100000
	As per requirement, room for Servant including wash room	LS	60000
		LS	160000
28	Add for GST 18%	Total	5453935
			981708
29	Add 1% for labour welfare tax	Total	6435643
			64356
		G.Total	6500000

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 वनपरिक्षेत्र उमरिया (क्षो)


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 उप वनपरिक्षेत्र अधिकारी
 उमर वनपरिक्षेत्र उमरिया



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 वनपरिक्षेत्र उमरिया

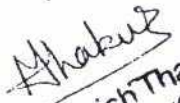
Details of additional work for DFO Umaria Residence

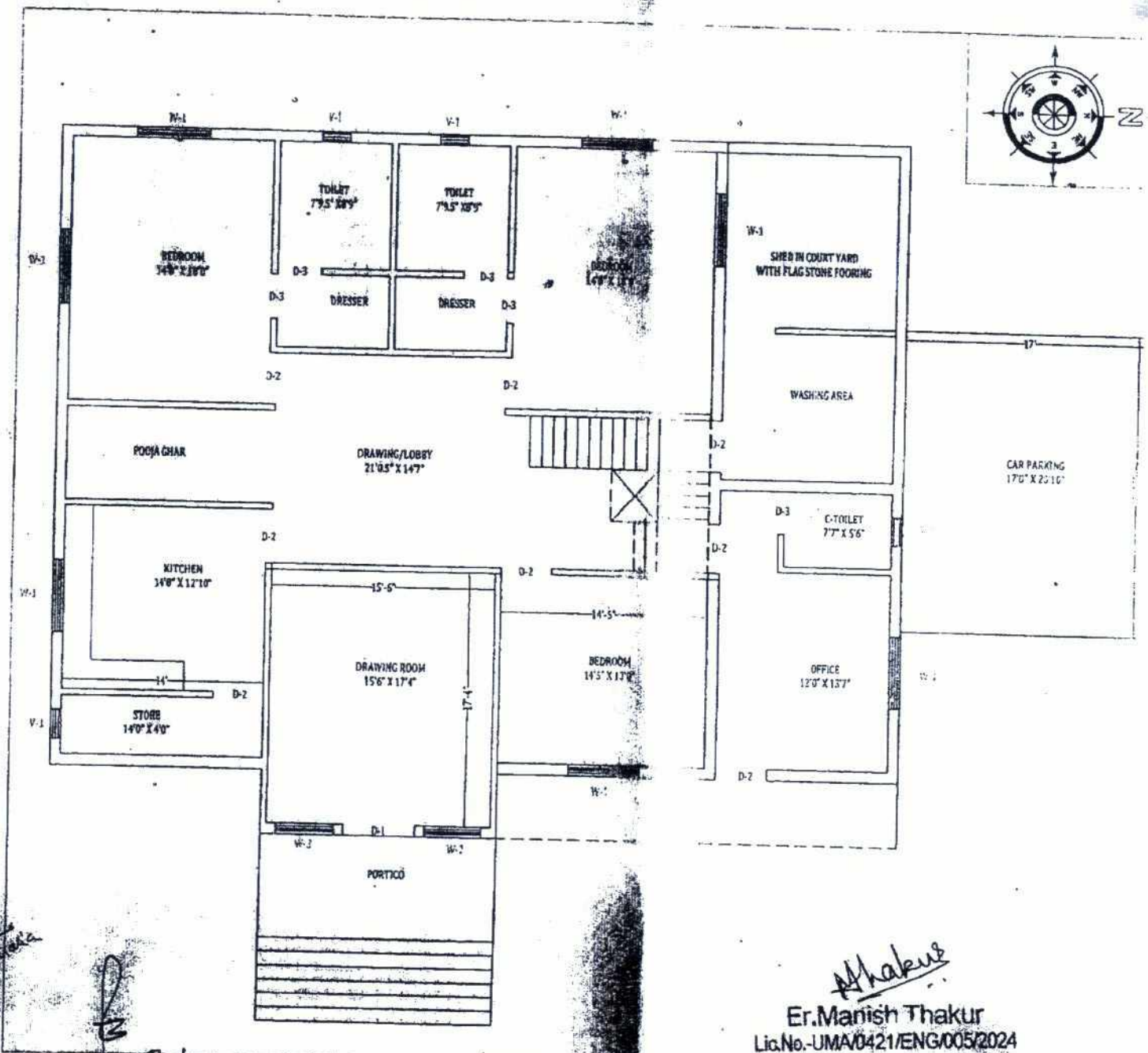
Sr.	CSR item	Description of the work	Quantity	Rate in Rs.		Amount
				Amount	Unit	
1		Boundary wall construction as per requirement	480 Mtr	40000/10 Mtr	Mtr	1920000.00
2		On grid 5 kv.solar panel system	5.000	60000.00	kv	300000.00
3		Rain water harvesting structure	LS	LS	LS	100000.00
4		Cost of Borewell with casing. Motar. Pipes etc	LS	LS	LS	150000.00
					Total =	2470000


 वनपरिक्षेत्राधिकारी
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 उप वनमण्डलाधिकारी
 उप वनमण्डल उमरिया


 वनमण्डलाधिकारी
 वनमण्डल उमरिया



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Siddhant

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Email-roumaria206@gmail.com & Rotumaria@mp.gov.in - 9424794507

क्रमांक/ 1536
प्रति.

उमरिया दिनांक/4/10/2024

वनमण्डलाधिकारी
वनमण्डल उमरिया (म.प्र.)

द्वारा :- उपवनमण्डलाधिकारी उपवनमण्डल उमरिया
विषय :- प्राक्कलन प्रस्तुत करने बावत्।

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उपरोक्त विषय में निवेदन है कि वनमण्डलाधिकारी आवास उमरिया नव निर्माण कार्य वर्ष 2024-25 कार्य का प्राक्कलन तैयार संलग्न कर अग्रिम कार्यवाही हेतु सादर सम्प्रेषित है।

संलग्न :- प्राक्कलन 01 (तीन प्रतियों में)


(सिद्धार्थ सिंह)
वनपरिक्षेत्राधिकारी
वनपरिक्षेत्र उमरिया (क्ष०)

कार्यालय उप वनमण्डल अधिकारी उमरिया

क्र. 2827 दिनांक 11.10.24

मुख्य: वनमण्डल अधिकारी वनमण्डल उमरिया की ओर
वनमण्डल अधिकारी आवास उमरिया का प्राक्कलन प्रस्तुत कि
किये जाने की अनुरोध सहित सादर सम्प्रेषित है।

उप वनमण्डल अधिकारी
उप वनमण्डल उमरिया