



**OFFICE OF THE DIVISIONAL FOREST OFFICER: PURI WILDLIFE DIVISION  
CHAKRATIRTHAROAD: PURI-752002**

**E-mail: -dfo.puriwl@odisha.gov.in / Telephone - 06752-228281**

**Tender Notice. 04 /Dated. 02.12.2024**

**Tender Call Notice**

Sealed tenders are invited in two Bid systems from established/ reputed/ registered/ experienced suppliers for supply of chain saw, fire fighting equipment as per specification of tender documents for use in Puri Wildlife Division, for details please visit the website <https://www.puri.nic.in> / <https://www.wildlifeodisha.in> . The last date of receipt of the Tender document is on dt.16.12.2024, 5.00 PM.

  
Divisional Forest Officer  
Puri Wildlife Division, Puri



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**Tender Notice. 04 /Dated. 02.12.2024**

**Tender Call Notice**

(1) Sealed tenders are invited in two Bid systems from established/ reputed/ registered/ experienced and accredited manufactures/ dealers/ suppliers within the country of India for supply of following chain saw, fire fighting equipment as per specification of tender documents for use in Puri Wildlife Division of Forest, Environment & climate Change Department, Govt. of Odisha.

Item	Quantity	Cost of tender paper
1	2	3
Chain Saw (MS462R steel -6HP)	5	Rs.500/-
Chain Saw (MSA180 steel -1-2 HP)	10	
Tanker	5	
Jacket, shoes, blankets, helmet	Each 20	
Sign board	5	
Watch tower ( Iron )	3	
Projector and laptop with installation in the site	1	

(2) Non-transferable Tender Documents for supply of chain saw, firefighting equipment as stated above will be available from 04.12.2024 and can be downloaded through the website <https://www.puri.nic.in> / <https://www.wildlifeodisha.in> . The Tender Documents cost which is non refundable , should be deposited along with Technical Bid in shape of crossed Demand Draft drawn at any Nationalized Bank in favour of Divisional Forest Officer, Puri Wildlife Division, Puri payable at Puri.

(3) Tender papers will be received from dt.04.12.2024 to 16.12.2024 upto 05.00 PM in the office of the Divisional Forest Officer, Puri Wildlife Division, Puri,.

(4) Tender opening for Technical bid – 11.30 AM Dt. 17.12.2024

  
Divisional Forest Officer  
Puri Wildlife Division, Puri

## UNDERTAKING FOR SUBMISSION OF TENDER

To

The Divisional Forest Officer  
Puri Wildlife Division  
Puri

Sub: Tender for supply of chain saw, fire fighting equipment to Puri Wildlife Division.

Dear Sir,

1. With reference to your Tender Documents dated 02/12/2024, I/We having examined the Tender Documents and understood their contents, hereby submit my/ our Tender for the aforesaid Project. The Tender is unconditional and unqualified.
2. All information provided in the Tender and in the Appendices is true and correct.
3. I/ We shall make available to the authority any additional information it may find necessary or require to supplement or authenticate the Tender.
4. We understand that only a single Contractor will be selected for the project mentioned above.
5. I/ We declare that,
  - a) I/ We have examined and have no reservations to the Tender Documents.
  - b) I/ We do not have any conflict of interest in accordance with the provision set out in the Tender Document.
  - c) I/ We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Tender or Tender Document issued by or any agreement entered into with the Authority or any other Public Sector Enterprises or any Government, Central or State and
  - d) I/ We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
  - e) I/ We further certify that in regard to matters relating Tender and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.

- f) I/ We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/ Managers/ Employees.
- g) I/ We undertake that in case due to any change in facts or circumstances during the Selection Process, we are attracted by the provisions of disqualification in terms of the referred to above, we shall intimate the Authority of the same immediately.
6. In the event of my / our being declared as the successful Bidder, I/ We agree to enter into a Contact Agreement on receipt of work order.
7. The Financial Bid has been quoted by me/ us after taking into consideration all the terms and conditions stated in the Tender Document, General Conditions of Tender Documents.
8. I / We agree and undertake to abide by all the terms and conditions of the Tender Documents.

In witness thereof, I/ We submit this Tender under and in accordance with the terms of the Tender Documents.

Date:-

Yours faithfully,

Place:-

(Signature of the Authorized Signatory)  
(Name and Designation of the Authorized Signatory)  
Name and seal of Bidder

**Tender for supply of chain saw, fire fighting equipment to  
Puri Wildlife Division**

Sealed Tenders are hereby invited by the office of the Divisional Forest Officer, Puri Wildlife Division, Puri, Odisha from the eligible agencies/ reputed firms/ authorized dealers/ suppliers within the country of India as per pre-qualification criteria (Two envelopes system) for the following work:

**DESCRIPTION OF WORK**

Supply of Chain Saw (MS462R steel -6HP), Chain Saw (MSA180 steel -1-2 HP), Tanker , Jacket, shoes, blankets, helmet , Sign board, Watch tower ( Iron ) and Projector and laptop with installation in the site to Puri Wildlife Division.

Cost of tender document:	Rs. 500/-
Earnest Money Deposit:	Rs.5000/-

1. Milestone dates for tendering
  - i. Receiving of Tender Papers: 04.12.2024 until 05.00 PM
  - ii. Opening of Technical Bid: 17.12.2024 at 11.30 AM
  - iii. Opening of Financial Bid (To be intimated to all the pre-qualified bidders separately.)
2. The bidders shall have to submit their bids either physically in the tender deposition box or through registered post on or before the above mentioned scheduled date & time. For bids being deposited through registered post, Divisional Forest Officer, Puri Wildlife Division, Puri will not be responsible for any late receipt of the bid documents. Bidders need to enclose the acknowledgement receipt in support of payment of cost of tender **document charges of Rs.500/- in the form of Demand Draft from a Nationalized Bank drawn in favour of Divisional Forest Officer, Puri Wildlife Division payable at Puri.**
3. EMD Rs.5000/- in shape of Fixed Deposit Receipt/Bank Guarantee/Term Deposit Receipt duly pledged in favour of Divisional Forest Officer, Puri Wildlife Division, Puri.
4. The agency who fails to submit eligibility documents as mentioned above shall be declared as ineligible and the bid submitted by it shall be declared as invalid.

## PART-A

### **The technical bid should contain the following documents.**

1. Passport size photograph duly self-signed in front of photograph to be pasted in Part-A Form.
2. Photo copy of PAN card duly signed.
3. Photocopy of the GST registration certificate & clearance up to date. (Last three years) duly signed.
4. Photo copy of Aadhaar Card.
5. EMD Rs.5000/- in shape of Fixed Deposit Receipt/Bank Guarantee/Term Deposit Receipt duly pledge in favour of Divisional Forest Officer, Puri Wildlife Division, Puri.
6. Tender paper cost i.e. Rs.500/- in shape of Demand Draft from a Nationalized Bank drawn in favour of the Divisional Forest Officer, Puri Wildlife Division, Puri payable at Puri as tender paper cost.
7. Complete Office address with relevant contact numbers/E-mail id.
8. The bidders will have to provide components/ equipment in strict compliance with the manufacturer/ makes/ brand. All the bidders need to provide unconditional acceptance of this by signing each page of the schedule as a token of acceptance. Non-compliance to this shall lead to rejection of the bid documents without assigning any reason thereof and the bids shall not be further considered for evaluation.
9. All the pages of the Tender Documents should be signed by the tenderer or else it is liable for cancellation.
10. Defect liability period will be for a period of two years from the date of installation or commissioning.
11. The entire work needs to be completed within a period of **Fifteen Days from the date of issue of work order.**
12. Order and Delivery Report/Certificate for supply of Chain Saw (MS462R steel - 6HP), Chain Saw (MSA180 steel -1-2 HP), Tanker , Jacket, shoes, blankets, helmet , Sign board, Watch tower ( Iron ) and Projector and laptop with installation of a minimum value of Rs.2 Crores (Rupees Two Crores) only, within the last 3 (Three) years supplied to State/ Central Government Organizations only in Odisha. Documentary evidence in the form of certified Audited Balance Sheet & Profit & Loss Statement of the relevant periods and/or Certificate from the Chartered Accountant indicating the turnover details for last three years to be submitted.
13. Design of the Instrument.
14. Registration of the Agency/Firm/Dealer/Supplier from DIC/NSIC or similar originations.
15. ISO Certification.
16. Documents regarding after sales service station within the state of Odisha.

## **I. INSTRUCTION FOR BIDDERS**

- a. The bidders are expected to Technical Bid and Financial Bid in hard copy in the office of the Divisional Forest Officer, Puri Wildlife Division, Bhubaneswar, Odisha. Financial Bid should be separately sealed in the envelope and to be submitted as per the format mentioned herein.
- b. Indian Manufacturers having test certificates from national test houses/ Concerned State Authority only are eligible to participate in the tender.
- c. Bidders should submit the technical bid with the dimension.
- d. The bidder will have to keep its offer valid for 120 days of the opening of the technical bid and in the case of withdrawal before that date the earnest money amount will be forfeited to the department.
- e. The expenses on preparing the proposals, visiting the site, attending the pre-submission meeting and negotiating the contract etc. will not be reimbursed.

## **II. METHOD OF APPLYING**

- a. If the application is made by the individual, it shall be signed above his full type written name & current address.
- b. If a proprietary firm makes the application, it shall be signed by the proprietor above his full type written name & the full name of his firm with its current address.
- c. If the application is made by a firm in partnership, it shall be signed by all the partners of the firm with their full name and current addresses or alternatively by a partner holding power of attorney shall be enclosed with the prequalification document. A certified copy of partnership deed and current address of all the partners of the firms shall also be enclosed with the prequalification document.
- d. If a company or corporation makes the application, a duly authorized person shall sign it.

## **III. Terms & Conditions :**

- a. No tender will be valid unless accompanied by the stipulated amount of Tender paper cost.
- b. At the advertised time and place, all bids received for the contract shall be opened by the officer inviting the tender and the tender committee officers (or any other officer authorized by him) in person, in the presence of the bidder or their representative who may choose to attend. No over writings shall be done but corrections where necessary shall be neatly rewritten and corrections shall be duly attested prior to the submission of the bids.
- c. At the time of opening of tender, one Additional Officer/ one office Assistant shall also be present invariably to render necessary assistance.
- d. Attendance of the bidders or their authorized representatives shall be noted down in the register to be maintained for this purpose. Rates and or conditions of each of the bids shall be read out before the persons present and their signatures obtained on each of the tender

document. Signature on the comparative statement shall also be obtained.

- e. The officer opening the tender documents would initial on each and every bids and the serial numbers of such tender documents with reference to total tender documents noted on each bid document. The initials shall be recorded on the page containing the financial bids.
- f. Each and every correction or overwriting shall be initialed and number of such corrections noted on the respective pages. The bidders are advised to properly seal the tender document papers in their own interest.
- g. Each bidder shall supply the name, residence and place of business of the person or persons giving the tender document and shall be signed by the bidder with his usual signature. When a partnership firm gives tender document then the full names of all the partners shall be furnished. An attested copy of the constitution of the firm and the registered number of the firm shall be furnished. In such a case the tender document must be signed separately by each partner or in the event of the absence of any partner must be signed on his behalf by a person holding a power of attorney authorizing him to be so. Tender documents by corporation shall be signed with the legal name of the state of incorporation and by signature and by designation of the resident, secretary or other person authorized to bid it in the matter.
- h. The bidders shall also give their Name & Address invariably on cover containing the tender document.
- i. The tender documents shall be opened at the time and place stated above by the officer issuing this notice in the presence of the bidders or their duly authorized representatives who may choose to attend. The officer under unavoidable circumstances may depute another officer in his absence to receive and open the tender documents on his behalf.
- j. The technical bid in the presence of the tenderers or their authorized representatives, who choose to be present, will be opened on 12/12/2024 at 11.30 AM. The financial bids will be opened after evaluation of the technical bids and on a date and time to be notified to such of the bidders who are technically eligible.
- k. The particulars of the proposed work given are bare minimum and must be considered only as advance information to assist the applicant.
- l. Enhancement or Curtailment in the quantum of the work will not vitiate the contract.
- m. Conditional bids are liable to be rejected.
- n. Canvassing for support in any form for the acceptance of any tender document is strictly prohibited.
- o. The payment will be made through RTGS only. No bank commission charges on realizing such payments will be borne by the Divisional Forest Officer, Chandaka Wildlife Division, Bhubaneswar.
- p. Deduction of Income Tax at source shall be done as per the law. It is open to the bidder as the case may be to make an application to the

officer concerned and obtain from him a certificate authorizing the prayer to deduct tax such lower rate or deduct no tax as may be appropriate to his case. Such certificate will be valid for the period specified therein unless the officer concerned cancels it. The bidder whose tender document has been accepted shall have to execute the agreement in the prescribed form within seven days of the receipt of the communication of the acceptance of his tender. Failure to do so shall result in the earnest money being forfeited and tender document being cancelled.

- q. In case of delay of extension of the work beyond the stipulated period, the Divisional Forest Officer, Puri Wildlife Division, Puri may at its discretion issue a time extension letter only after obtaining proper justification.
- r. All the terms and condition of the Notice Inviting Tender (NIT) and appendices/ Annexure referred to herein before will be binding on the bidders.
- s. The authority reserves the right to cancel any or all bids without assigning any reason thereof.
- t. All the disputes shall be subject to the jurisdiction of Civil Court situated at Puri only.

#### **IV. Tender Procedure**

The tender will be in two-bid system: Part-A & Part-B.

**Part-A** will contain EMD, Tender document charges and the details as mentioned. If all the clauses of part-A is complied, then only Part-B will be opened.

**Part-B** Financial Bid will be opened for Bidders who have technically qualified and also have complied with all the eligibility, prequalification criteria mentioned herein.

#### **V. PAYMENT TERMS**

1. 90% payment will be released within ten days of supply of Chain Saw (MS462R steel -6HP), Chain Saw (MSA180 steel -1-2 HP), Tanker , Jacket, shoes, blankets, helmet , Sign board, Watch tower ( Iron ) and Projector and laptop with installation in the site to Puri Wildlife Division along with its accessories.
2. Balance 10% payment will be released on successful functioning.

#### **1. TECHNICAL SPECIFICATIONS:-**

##### **Chain Saw (MS462R steel -6HP)**

Key Specifications:

1. Engine Type: 2-MIX engine
2. Displacement: 72.2 cc
3. Power Output: 6.0 HP (4.4 kW)
4. Bar Length Options: Typically available with 20-inch, 25-inch, or longer guide bars
5. Weight (Powerhead Only): Approximately 6.3 kg (13.9 lbs)

6. Fuel Tank Capacity: 0.72 liters
7. Oil Tank Capacity: 0.34 liters
8. Fuel Mix Ratio: 50:1 (gasoline to oil ratio)
9. Chain Pitch: 3/8 inch
10. Chain Type: Rapid Super (RS) or similar professional-grade chain
11. Vibration Level (Front/Rear): Approx. 4.8/4.5 m/s<sup>2</sup>

### **Chain Saw (MSA180 steel -1-2 HP).**

1. Power Source: Battery (36V Lithium-Ion)
2. Motor Type: Brushless Electric Motor
3. Power Output: Approx. 1.0-1.5 HP (0.8-1.1 kW)
4. Recommended Battery:
  - AP 200 (for optimal runtime and performance)
  - Compatible with other STIHL AP series batteries.
5. Run Time per Charge (with AP 200): Approx. 35 minutes (depending on usage and wood type).
6. Bar Length Options:
  - Standard: 12 inches (30 cm)
  - Optional: 14 inches (35 cm)
7. Chain Pitch: 1/4 inch P (PM3, low-profile chain for precise cuts).
8. Weight (Without Battery): Approx. 2.8 kg (6.2 lbs).
9. Sound Pressure Level: Approx. 83 dB(A).
10. Sound Power Level: Approx. 94 dB(A).
11. Vibration Level (Front/Rear Handle): Approx. 4.0/4.0 m/s<sup>2</sup>.
12. Oil Tank Capacity: 0.145 liters.
13. Tool-Free Chain Tensioning: Quick tension adjustment using a knob—no tools required.

### **Tanker**

1. Capacity:
  - Small Tankers: 1,000–5,000 liters (e.g., for residential or small-scale irrigation).
  - Medium Tankers: 6,000–10,000 liters (common for urban municipal use).
  - Large Tankers: 10,000–30,000 liters (used for construction sites or rural supply).

## 2. Material:

- Mild Steel (MS): Durable, economical, and used for general water transportation.
- Stainless Steel (SS): Used for potable/drinking water to maintain hygiene and prevent corrosion.
- Plastic/Fiberglass Reinforced Plastic (FRP): Lightweight and non-corrosive, ideal for smaller tankers.

## 3. Dimensions:

- Depends on the capacity and chassis:
  - 5,000 liters: Approx. 5m (L) x 2.2m (W) x 1.5m (H).
  - 10,000 liters: Approx. 7m (L) x 2.4m (W) x 2m (H).
  - 20,000 liters: Approx. 10m (L) x 2.5m (W) x 2.5m (H).

## 4. Tank Design:

- Shape: Cylindrical, elliptical, or rectangular with rounded corners.
- Compartments: Single or multiple compartments, depending on operational requirements.
- Baffles: Internal baffles to reduce water movement and enhance stability during transit.

## 5. Pump System:

- Optional, but commonly included for efficient loading and unloading of water.
  - Pump capacity: 300–1,000 liters per minute.
  - Drive type: Hydraulic or PTO (Power Take-Off) driven.

## 6. Mounting:

- Chassis: Mounted on heavy-duty truck chassis (e.g., Tata, Ashok Leyland, Mahindra, or Volvo).
- Trailer Options: Can also be a trailer-mounted tanker for towing by tractors or other vehicles.

## 7. Nozzles & Delivery Features:

- Hose Reel: For targeted delivery (optional).
- Spray System: Used for road washing or dust suppression.
- Outlet Valves: Typically 2-4 outlets with varying diameters (1.5–4 inches).

#### 8. Safety Features:

- Overflow prevention valves.
- Ladder and railing for easy access to the top.
- Anti-slip coating on walkways and ladders.
- Reflective stickers for night visibility.

#### 9. Additional Features (Optional):

- Insulation: For transporting hot water or reducing temperature loss in cold climates.
- Compartmentalization: To carry multiple grades of water (e.g., potable and non-potable).
- GPS Tracking: For fleet management.

#### 10. Weight (Empty):

- 5,000-liter tank: Approx. 1.2–2.0 tons (without chassis).
- 10,000-liter tank: Approx. 3–4 tons.

#### **Jackets, shoes, blankets, helmet**

Jackets vary widely depending on their purpose, such as for casual wear, industrial use, or extreme weather protection.

#### Key Specifications:

- Material:
  - Cotton, polyester, nylon, or leather for general use.
  - Gore-Tex or similar waterproof materials for outdoor/weatherproof jackets.
  - Fire-resistant (FR) fabrics like Nomex or Kevlar for industrial safety jackets.
- Insulation:
  - Down feathers or synthetic fibers (e.g., Thinsulate) for cold weather.
  - Lightweight mesh or breathable lining for warm climates.
- Weight:
  - Lightweight: 500–1,000 grams.
  - Heavy-duty: 1–2 kg (depending on material and padding).
- Additional Features:
  - Windproof, waterproof, or water-resistant.
  - Zippered or buttoned closures.
  - Pockets: Interior/exterior for storage.

- Reflective strips for visibility (industrial/safety jackets).

## 2. Shoes

Shoes are designed for various purposes, including casual wear, industrial safety, and specialized sports.

Key Specifications:

- Material:
  - Leather, synthetic, or fabric uppers.
  - Rubber or PU soles for grip and durability.
- Toe Protection:
  - Steel-toe caps (for safety shoes).
  - Composite or alloy toe caps (lightweight, non-metallic).
- Weight:
  - Lightweight (for sports): 200–400 grams per shoe.
  - Safety shoes: 1–2 kg per pair (depending on protection level).
- Slip Resistance:
  - Sole patterns tested for anti-slip properties (rated by ASTM or EN standards).
- Waterproofing:
  - Gore-Tex or similar membranes for outdoor/wet conditions.
- Certification (Safety Shoes):
  - EN ISO 20345 or ASTM standards.
  - Electrical hazard (EH) or anti-static (ESD) ratings if required.

## 3. Blankets

Blankets vary by material, insulation, and intended use, such as for home, travel, or emergency situations.

Key Specifications:

- Material:
  - Cotton, fleece, wool, polyester, or acrylic for regular use.
  - Thermal or mylar blankets for emergency and outdoor use.
- Weight/Thickness:
  - Regular: 1–3 kg (depending on size and material).
  - Thermal blankets: Lightweight,

approx. 150–500 grams.

- Dimensions:
  - Single: 130 x 200 cm.
  - Double: 200 x 230 cm.
  - Emergency blankets: Compact, approx. 140 x 210 cm.
- Thermal Insulation:
  - Tog rating (for thermal efficiency): 1.5–15+ tog, depending on warmth level.
- Additional Features:
  - Hypoallergenic material for sensitive users.
  - Water-resistant or fire-retardant coatings (for specific purposes).

#### 4. Helmets

Helmets are essential for safety and are designed for activities like industrial work, sports, and motorcycling.

Key Specifications:

- Material:
  - ABS plastic or polycarbonate shell for lightweight durability.
  - Fiberglass or carbon fiber for high-impact sports or motorcycling.
- Weight:
  - Lightweight helmets: 500–800 grams.
  - Heavy-duty helmets: 1–1.5 kg.
- Padding and Lining:
  - Foam-based impact absorption (e.g., EPS foam).
  - Moisture-wicking liners for comfort.
- Ventilation:
  - Air vents for cooling in sports and motorcycle helmets.
- Certifications:
  - Industrial helmets: EN 397, ANSI Z89.1, or ISI standards.
  - Motorcycle helmets: DOT, ECE 22.05, or ISI.
  - Sports helmets: Specific standards like ASTM F1492 (skateboarding) or CE EN1078 (cycling).
- Special Features:

- Visor (detachable or integrated).
- Chin straps with quick-release mechanisms.
- Reflective elements for visibility.

### **Signboard**

- Metal: Aluminum (lightweight, durable, rustproof) or steel (stronger but heavier).
- Plastic: Acrylic, polycarbonate, or PVC (lightweight and cost-effective).
- Wood: Typically used for decorative or rustic-style signs.
- Composite Panels: Aluminum composite panels (ACP) for durability and a smooth finish.

Thickness:

- Metal: 1.5–3 mm (depending on size and application).
- Plastic: 3–10 mm.
- Wood: 12–20 mm.

### **Watch Tower**

- Structural Steel (Mild Steel or High-Strength Steel):
  - Conforms to IS 2062 (Grade E250/E350) for Indian standards or ASTM A36.
  - Galvanized or painted for corrosion resistance.

Height:

- Common ranges:
  - Small towers: 6–12 meters (20–40 feet).
  - Medium towers: 12–24 meters (40–80 feet).
  - Large towers: 24–40 meters (80–130 feet) or more, depending on application.

Load Capacity:

- Designed to support specific loads:
  - Weight of personnel (up to 5 people).

- Equipment load (e.g., surveillance cameras, lights, or communication devices).
- Wind load (calculated as per local wind conditions, often 150–200 km/h).

## 2. Structural Design:

### Frame:

- Lattice Structure:
  - Triangular or square cross-section for stability and efficient load distribution.
  - Cross-bracing with angle irons or hollow sections (HSS).
- Beam Sections:
  - Rolled steel angles (ISA), channels (ISMC), or I-sections.
  - Hollow structural sections (HSS) for lightweight designs.

### Platform:

- Flooring:
  - Anti-slip steel grating or perforated metal sheets.
  - Designed for drainage and safe footing.
- Guardrails:
  - 1.1–1.5 meters in height with intermediate rails and toe boards.
- Access:
  - Ladders:
    - Fixed steel ladder with safety cages.
    - Ladder width: 450–600 mm (as per OSHA/EN standards).
  - Staircases (Optional):
    - Spiral or straight with 30–45° inclination for ease of access.

## 3. Surface Coating:

### Anti-Corrosion Treatment:

- Hot-Dip Galvanization:
  - Zinc coating (85–120 microns) for outdoor and coastal applications.
- Epoxy or Polyurethane Paint:
  - Provides weather resistance and aesthetics.
- Color Coding (Optional):

- High-visibility paint for aviation safety (e.g., red/white stripes).

#### 4. Foundation:

##### Material:

- Reinforced concrete foundation to anchor the tower securely.

##### Depth:

- 1.5–3 meters, depending on soil conditions and tower height.

##### Anchoring Bolts:

- High-strength bolts embedded in concrete for attaching the tower base.

#### 5. Wind and Seismic Resistance:

##### Wind Load:

- Designed to withstand local wind speeds (e.g., 150–200 km/h for most regions).

##### Seismic Load:

- Factored in design for areas prone to earthquakes (as per IS 1893 or equivalent).

#### 6. Additional Features:

##### Lighting:

- LED floodlights or aviation warning lights.

##### Surveillance Equipment:

- Provisions for mounting cameras or other devices.

##### Roofing (Optional):

- Weatherproof shelter or canopy for equipment and personnel.

##### Drainage System:

- Water drainage from platform floors to prevent pooling.

#### 7. Standards and Certifications:

- IS 800: General construction in steel.
- IS 2062: Steel for structural purposes.
- OSHA 1910: Safety standards for ladders, platforms, and railings.
- Wind and Seismic Design: IS 875 (Part 3) and IS 1893.

## **Projector and laptop**

1. Projection Technology:
  - DLP (Digital Light Processing): High contrast and sharp images.
  - LCD (Liquid Crystal Display): Better color accuracy and brightness.
  - Laser Projector: Long lifespan, bright, and low maintenance.
2. Resolution:
  - HD (1280x720): For basic presentations.
  - Full HD (1920x1080): For detailed visuals (recommended).
  - 4K UHD (3840x2160): For high-quality visuals (premium option).
3. Brightness (Lumens):
  - 2,500–3,500 lumens: Ideal for dimly lit rooms.
  - 3,500–5,000 lumens: Suitable for well-lit rooms or large spaces.
4. Contrast Ratio:
  - Minimum 10,000:1 for clear distinction between dark and bright areas.
5. Throw Distance and Screen Size:
  - Short-throw: For small spaces (1–2m for 80-inch screen).
  - Long-throw: For larger spaces (3–10m for 100–200-inch screen).
6. Connectivity Options:
  - HDMI, VGA, USB, and DisplayPort.
  - Wireless capabilities for presentations (Wi-Fi, Miracast).
7. Lamp Life:
  - Standard: 3,000–5,000 hours.
  - Laser/LED projectors: 20,000+ hours.
8. Additional Features:
  - Keystone Correction: For adjusting image distortion.
  - Zoom and Lens Shift: For precise image placement.
  - Built-in Speaker: For basic audio (external speakers recommended for better sound).

## 2. Laptop Specifications

### Key Parameters:

1. Processor (CPU):
  - Intel Core i5/i7 (12th or 13th Gen): Suitable for most applications.
  - AMD Ryzen 5/7 (7000 Series): High performance and energy-efficient.
2. RAM:
  - Minimum 8 GB (basic use).
  - 16 GB (recommended for multitasking and heavy use).
3. Storage:
  - 256 GB SSD (basic use).
  - 512 GB SSD or 1 TB HDD/SSD for better storage and performance.
4. Graphics Card:
  - Integrated (Intel Iris Xe, AMD Radeon): For basic tasks and presentations.
  - Dedicated GPU (NVIDIA GTX/RTX or AMD Radeon): For graphics-heavy tasks like video editing.
5. Screen Size and Resolution:
  - 14–15.6 inches, Full HD (1920x1080) for portability and clarity.
  - Touchscreen (optional) for interactive tasks.
6. Battery Life:
  - Minimum 6–8 hours for portability.
7. Ports and Connectivity:
  - HDMI, USB Type-A/Type-C, Thunderbolt (optional).
  - Wi-Fi 6 and Bluetooth 5.0 for wireless connectivity.
8. Operating System:
  - Windows 11 or macOS (based on preference and compatibility).

## 3. Installation Requirements

### Projector Installation:

1. Mounting Options:
  - Ceiling-mounted (most common for fixed setups).
  - Tabletop or wall-mounted (portable options).

## 2. Cabling:

- HDMI/VGA cables for video input.
- Power cable routing (concealed if possible).
- Network cable (optional for wired connections).

## 3. Screen Setup:

- Manual/Electric Pull-Down Screens: Matte white surface recommended.
- Wall/Paint Projection: Smooth, white surface.

## 4. Alignment:

- Proper positioning for ideal throw distance and image size.
- Use keystone correction for adjustments.

## 5. Lighting:

- Minimize direct light on the screen area for better visibility.

### Laptop Configuration:

### 1. Software Setup:

- Install presentation software (e.g., MS PowerPoint, Keynote).
- Install projector drivers (if needed).

### 2. Connectivity Testing:

- Ensure compatibility with the projector.
- Test HDMI, VGA, or wireless connections.

### 4. Additional Accessories and Services

#### 1. Accessories:

- Wireless presenter or remote control for slides.
- External speakers for enhanced audio output.
- Cable management tools.

#### 2. Professional Installation Service:

- A/V technician for setup, alignment, and calibration.
- Training session for operating the system.

- 1) The item/equipment being quoted should be of Original Equipment Manufacturer (OEM) and no non-standard equipment should be quoted. The tenderer must be OEM or Authorized Distributors of OEM in India. An Authorization Certificate issued by the OEM to this effect should be attached with the Technical Bid; failing which their offer will be rejected.
- 2) The Bidder must provide a list of places where similar equipment has been supplied and / or are being maintained by him with their configuration & documental evidences.
- 3) The bidder has to submit a satisfactory report from any government department for the quoted equipment supplied to them by bidder.
- 4) Any Licenses/ Clearances required for purchase or import of the tendered item then it is the responsibility of the supplier to apply for all licenses from concerned government authorities and ministries and should submit the necessary permissions/ licenses along with delivery of collars. The necessary fees should be included in the price of the item and the user is not responsible for any fees for such licenses.
- 5) The bidder should submit one sample along with the bid.
- 6) Vendor should provide GST Clearance Certificate
- 7) Vendor should provide HSN Code with GST percentage of quoted item.
- 8) The bidder or the OEM of the offered products must have ISO 9001 certification.

  
**Divisional Forest Officer**  
**Puri Wildlife Division, Puri**



**OFFICE OF THE DIVISIONAL FOREST OFFICER  
PURI WILDLIFE DIVISION, PURI**

**Last date of filling the tender: 16.12.2024 up to 05.00 PM**

**Date of opening of the technical Bid: 17.12.2024 at 11.30 AM**

Signed  
Photograph  
of the  
Tenderer

**PART- A (TECHNICAL BID)**

**Tender for Supply Chain Saw (MS462R steel -6HP), Chain Saw (MSA180 steel -1-2 HP), Tanker , Jacket, shoes, blankets, helmet , Sign board, Watch tower ( Iron ) and Projector and laptop with installation in the site to Puri Wildlife Division.**

1. Name & Address of the Agency/ Firm/ Dealer/Supplier (along with contact Nos., E-mail ID if any)	:	
Manufacturing		
2. Registration Number of the Agency/ Firm/ Dealer/Supplier	:	
3. PAN No. (copy enclosed)	:	
4. GST No. & Period of clearance of GST for last three years (copy enclosed)	:	
5. Aadhaar Card (copy enclosed)	:	
6. EMD in shape of Fix Deposit Rs.5000/-	:	
7. Cost of Tender Document @ Rs.500/-in shape of Demand Draft	:	
8. The name of manufacturer/ Makes/ Brand of the equipment which are to be utilized for commissioning	:	
9. Details of the certificate from National Testing Agency/ Concerned State Authority (copy to be enclosed)	:	

**“Certified that I have read the terms and conditions of tender appended with this form and I agree to the terms and conditions of the Tender Documents.”**

**Place:**

**Signature of Tenderer**

**Date:**



**PART- B (FINANCIAL BID)**

**Name of the work: Supply of Chain Saw (MS462R steel -6HP), Chain Saw (MSA180 steel -1-2 HP), Tanker, Jacket, shoes, blankets, helmet, Sign board, Watch tower (Iron) and Projector and laptop with installation in the site to Puri Wildlife Division.**

**Tender No.**

**Date:**

Name & address of the Tenderer:

Signed  
Photograph  
of the  
Tenderer

Telephone/Mobile No. & Email ID:

<b>SI No.</b>	<b>Particulars</b>	<b>Rate/ pc</b>	<b>Amount in Rs.</b>
01.	Chain Saw (MS462R steel -6HP)		
02.	Chain Saw (MSA180 steel -1-2 HP)		
03.	Tanker		
04.	Jacket, shoes, blankets, helmet		
05.	Sign board		
06.	Watch tower (Iron)		
07.	Projector and laptop with installation in the site		

**Place:**

**Date:**

**Signature of Tenderer**