



महाराष्ट्र शासन
वन विभाग

विभागीय वन अधिकारी, कांदळवन विभाग- उत्तर कोकण
यांचे कार्यालय

दूरध्वनी क्र.022-69309286
Email Id:dfommcu@gmail.com

अभिमान-२, ५ वा मजला, तीन हात नाका, नौपाडा, ठाणे पश्चिम.

पत्र/ईमेलद्वारे: कक्ष-०२/योजना/ 2904 / सन २०२६-२७.

दिनांक: 14 / १०/२०२६.

प्रति,

१. मा. मुख्य वनसंरक्षक,
कांदळवन कक्ष, मुंबई.
Email - ccfmmumbai@gmail.com

२. प्रसिद्धी व माहिती अधिकारी (वने),
मा. प्रधान मुख्य वनसंरक्षक यांचे कार्यालय,
वनभवन, म. रा, नागपूर.
Email: - mahaforestpublicity@gmail.com

विषय:- कांदळवन पुनर्स्थापना आराखड्यांतर्गत विविध प्रकारच्या बोटोंच्या खरेदीसाठी सविस्तर तांत्रिक तपशील व दरपत्रके आपले स्तरावरून प्रसिद्ध करणेबाबत.

संदर्भ:- १. या कार्यालयाचे पत्र क्र. कक्ष-०२/योजना/२४४४/२०२६-२७ दि.१५/०९/२०२६.
२. आपले कार्यालयाकडील पत्र क्र.कक्ष -कक्ष-६/योजना/१५२१/२०२६-२७ दि.०८/१०/२०२६.

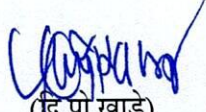
उपरोक्त विषयास अनुसरून, कांदळवन व सागरी जैवविविधता संवर्धन व अधिवास पुनर्स्थापना आराखड्यांतर्गत प्रस्तावित विविध कामांच्या अनुषंगाने आवश्यक असलेल्या विविध प्रकारच्या बोटोंच्या खरेदीसाठी सविस्तर तांत्रिक तपशील व दरपत्रक मागविण्याचे प्रारूप तयार करून संदर्भ क्र. १ अन्वये आपल्या कार्यालयास मंजूरीसाठी सादर करण्यात आले होते.

सदर प्रकरणी M/s.Tandon Urban Solutions Pvt. Ltd. (TUSPL) या सल्लागारामार्फत विभागाच्या कार्यात्मक आवश्यकतांचा विचार करून विविध प्रकारच्या बोटोंचे तांत्रिक तपशील, कार्यक्षमता, उपयोगिता, आवश्यक उपकरणे व इतर तांत्रिक बाबींचा समावेश असलेले दरपत्रक मागविण्याचे प्रारूप तयार करण्यात आले होते. तसेच संभाव्य बोट उत्पादक/OEM, अधिकृत वितरक, परवानाधारक बोट बांधणी संस्था व पुरवठादार यांची यादी देखील तयार करून आपले कार्यालयास मान्यतेस्तव सादर करण्यात आलेली होती.

संदर्भ क्र. २ अन्वये सदर सविस्तर तांत्रिक तपशील व दरपत्रक मागविण्याच्या प्रारूपास आपल्या कार्यालयामार्फत मंजूरी प्रदान करण्यात आलेली आहे. त्याचप्रमाणे, सदर पत्रातील सुचनेनुसार मंजूर प्रारूपामध्ये आवश्यक ती कार्यवाही करून विविध प्रकारच्या बोटोंच्या खरेदीसाठी पात्र बोट उत्पादक/OEM/अधिकृत वितरक/परवानाधारक बोट बांधणी संस्था/पुरवठादार यांच्याकडून दर मागविण्याच्या अनुषंगाने Quotation Notice प्रसिद्ध करण्याची कार्यवाही या कार्यालयामार्फत करण्यात येत आहे.

त्यास अनुसरून या सोबत जोडण्यात आलेली दरपत्रक सूचना आपले कार्यालयाच्या संकेतस्थळावर प्रसिद्ध करण्यात यावी ही विनंती.

मा. महोदय,
महोदय महोदय द्यावड,


(दि.पो.खाडे)

विभागीय वन अधिकारी,
कांदळवन विभाग-उत्तर कोकण.

प्रत :- मे. टंडन अर्बन सोल्यूशन, प्रा.लि. यांना माहिती व आवश्यक कार्यवाहीकरिता.

Government of Maharashtra

Forest Department

Divisional Forest Office, Mangrove Division North Konkan.

Name of Work: Request for Techno-Commercial Quotations and Technical Specifications for Supply of Boats for Mangrove Conservation, and Restoration Activities under Mangroves Division North Konkan.

Mangrove Cell is a specialized Division under the Forest Department, Government of Maharashtra, responsible for the conservation, protection and restoration of mangrove ecosystems across the State. The Mangroves Cell functions through two divisions, namely Mangroves Division North Konkan (MDNK) and Mangroves Division South Konkan (MDSK).

The jurisdiction of Mangroves Division North Konkan (MDNK) extends across the districts of Mumbai City, Mumbai Suburban, Thane and Palghar, whereas Mangrove Division South Konkan (MDSK) covers Raigad, Ratnagiri and Sindhudurg districts.

Mangrove Division North Konkan (MDNK) intends to procure boats and allied equipment for deployment in mangrove areas, wetlands, creeks and other eco-sensitive coastal ecosystems for conservation, restoration, eco-tourism, biodiversity monitoring and field operations within its jurisdiction.

Accordingly, MDNK is in the process of finalizing the technical specifications, operational requirements and estimated cost for procurement of different types of boats suitable for operation in mangrove creeks and shallow tidal waters. The functional requirements of the boats are provided in Annexure-I.

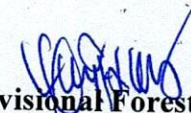
MDNK hereby invites Techno-Commercial Quotations from reputed boat manufacturers, authorized boat assemblers, OEMs, suppliers and vendors having relevant experience in designing, manufacturing and supplying boats for similar applications. The bidders shall submit their technical proposal together with detailed technical specifications, drawings, make, model, manufacturing methodology, statutory certifications, warranty, after-sales service details and compliance with the requirements specified in Annexure-I, along with their commercial quotation in the prescribed format.

The Proposal/quotations received shall be utilized for finalization of technical specifications, benchmarking of market rates and preparation of procurement documents for the proposed boats under the Mangroves Division North Konkan.

Item No .	Item description	Rate in Rs.	Unit
1.	Purchase of the Airboats (Flat/Shallow-Bottom, 4-16 Seater) as per the Board Specification attached herewith as annexure 1.		Per Unit
2.	Purchase of the Small Mechanical Garbage / Biomass Collection Boats (Mangrove-Interior) Manual / Pedal-Conveyor Micro-Boat as per the Board Specification attached herewith as annexure 1.		Per Unit
3.	Purchase of the Small Mechanical Garbage / Biomass Collection Boats (Mangrove-Interior) Small Autonomous / Remote Electric Skimmer as per the Board Specification attached herewith as annexure 1.		Per Unit
4.	Purchase of the Rescue Boats as per the Board Specification attached herewith as annexure 1.		Per Unit

Terms and Condition:-

1. Interested Vendors, Agency or Suppliers as per the specification mentioned and as per the Project Information Memorandum (PIM) are required to send the Expression of Interest (EoI) on the firm Letter head by Hand or Post Addressing to Divisional Forest Officer Mumbai Mangroves Conservation Unit (MMCUC) Address : Office of Divisional Forest Officer, Mangroves Division North Kokan 5th floor, Abhiman building, Teen Haat Naka Thane (W) or Email at dfommcu@gmail.com in PDF Format or Scan copy of the quotation not later than Date: **28/10/2026 Time 18.00 Hrs.**
2. The rates Quoted should be inclusive of all Taxes and Exclusive of GST.
3. The Vendors, Agency or Suppliers are required to Quote the Item Number specifically while it is submitting the quote.
4. The Quotation should mention Quotation Number and specific write the item number it is submitting the quotation for item number.
5. The boat manufacturers, OEMs, authorized dealers, authorized assemblers, licensed boat builders, suppliers or vendors submitting quotations shall mandatorily furnish detailed technical specifications, OEM datasheets, technical brochures, product catalogues and relevant certifications for all quoted boats and associated equipment. Documentary proof of OEM authorization, boat manufacturing licence/registration or authorized dealership, as applicable, shall also be submitted.
6. Interested parties shall clearly indicate the Country of Origin and whether the quoted product qualifies under the Public Procurement (Preference to Make in India) Order, 2017, as amended from time to time, along with a self-declaration of local content, wherever applicable.
7. The Vendors, Agency or Suppliers may be called for detail presentation for submitted quotes as needed for further clarification and discussion by the Department.
8. This Quotation Notice with PIM of the Project is Uploaded on the website of mangrove foundation and mahaforest for viewing for the interested.


Divisional Forest Officer,
Mangrove Division North Kokan

Copy for Publishing at Notice Board of :-

1. Office of Additional Principal Conservator of Forest Mangroves Cell,
Website <https://mangroves.maharashtra.gov.in/>
2. Mahaforest Website: <https://mahaforest.gov.in/>

Note :

1. Prior to submission of the Techno-Commercial Offer, interested Vendors/ Agencies/ Suppliers are advised to carry out necessary due diligence and may visit the office of the Department to obtain further information, clarifications, and understanding of the project requirements, with prior intimation.
2. The additional Informative pertaining above refer item may be taken from Mangroves Division North Kokan Shri Kunal Kasar Engineer MDNK,
Office Number: 022-69309286

Jitendra Patil (TUSPL Consultant) Mobile No: 97643 78763.

Annexure 1:

Item No 1: Board Requirement – Airboats (Flat/Shallow-Bottom, 4–16 Seater)

The Airboat shall be designed and manufactured for operation in shallow tidal waters, mangrove creeks, wetlands, mudflats and root-obstructed channels for mangrove conservation, biodiversity monitoring, eco-tourism, patrolling, inspection and emergency response activities. The boat shall be suitable for year-round operation in environmentally sensitive mangrove ecosystems while ensuring minimal ecological disturbance.

The Airboat shall be of flat-bottom or preferably shallow-V modified hull configuration constructed from Marine Grade Aluminium (5052/5086) or Marine Grade Fibre Reinforced Plastic (FRP). Considering the presence of exposed mangrove pneumatophores and prop roots during low tide, a shallow-V modified hull shall be preferred over a strictly flat-bottom hull, as it reduces the possibility of snagging while retaining the advantages of near-zero draft and the absence of submerged moving parts.

The boat shall have a loaded draft not exceeding 100 mm (10 cm) and shall be propelled by a rear-mounted aircraft-type propeller driven by an aero or automotive engine with air-rudder steering, ensuring that no submerged propeller or moving parts come in contact with the creek bed or mangrove roots. The propulsion system shall be capable of operating efficiently in extremely shallow waters, mudflats and tidal creeks.

The Airboat shall be available in seating capacities ranging from 4 to 16 persons, including the operator. The recommended engine capacity shall be 150–350 HP for 4–6-seater boats, 350–550 HP for 8–10-seater boats and 550–750 HP for 12–16-seater boats, or equivalent configurations capable of achieving the required performance. The boat shall be capable of attaining a maximum speed of 40–80 km/h in open water while maintaining stable and safe operation under varying tidal conditions.

The boat shall be provided with a fully enclosed propeller safety cage, emergency engine kill switch, life jackets for all passengers, lifebuoy, fire extinguisher, first-aid kit, navigation lights, horn, anti-skid flooring and adequate handrails. The overall design shall ensure safe embarkation, disembarkation and passenger movement during field operations.

The Airboat shall be specifically designed to operate within mangrove ecosystems with minimum environmental impact, producing negligible underwater disturbance, avoiding damage to mangrove roots and wetland habitats, and facilitating safe access to otherwise inaccessible shallow creek systems for conservation, monitoring and eco-tourism activities.

Item No 2: Board Requirement – Small Mechanical Garbage / Biomass Collection Boats (Mangrove-Interior) Manual / Pedal-Conveyor Micro-Boat

The Small Mechanical Garbage/Biomass Collection Boat shall be specifically designed for collection of floating solid waste, plastic debris, invasive vegetation, driftwood and mangrove biomass from narrow mangrove creeks, shallow tidal channels, wetlands and holding ponds where conventional weed-harvesting vessels cannot operate. The boat shall have a compact pontoon or catamaran hull with an overall length of approximately 2–3 metres and a maximum loaded draft not exceeding 200 mm (20 cm) to enable safe navigation through shallow waters and root-obstructed mangrove channels.

The boat shall be powered by a pedal-operated system or a low-noise electric propulsion unit not exceeding 2 HP, ensuring silent operation with minimal ecological disturbance and zero direct emissions. The vessel shall be equipped with a bow-mounted chain or belt conveyor mechanism capable of mechanically collecting floating garbage, aquatic biomass and other debris and transferring the collected material into an onboard collection bin for subsequent disposal. The boat shall be lightweight, stable, corrosion-resistant and capable of easy manoeuvring in confined waterways.

The design shall prioritise low capital cost, low operation and maintenance requirements, ease of handling and suitability for operation in calm, low-current mangrove channels. The boat shall ensure minimal disturbance to mangrove roots, aquatic habitats and birdlife while providing an efficient solution for routine cleaning and maintenance of environmentally sensitive mangrove ecosystems. Equivalent or superior designs meeting these functional requirements may also be considered.

Item No 3: Board Requirement – Small Mechanical Garbage / Biomass Collection Boats (Mangrove-Interior) Small Autonomous / Remote Electric Skimmer

The Small Autonomous/Remote Electric Garbage and Biomass Collection Boat shall be specifically designed for collection of floating solid waste, plastic debris, invasive aquatic vegetation, driftwood and mangrove biomass from narrow mangrove creeks, shallow tidal channels, wetlands, canals and holding ponds, where conventional weed-harvesting vessels cannot operate. The boat shall have a compact pontoon or catamaran hull with an overall length of approximately 2–3 metres, a beam not exceeding 1.20 metres, and a maximum loaded draft of 300 mm (30 cm) to facilitate safe navigation through shallow and root-obstructed mangrove channels.

The boat shall be powered by an electric propulsion system and shall be capable of autonomous and/or remote-controlled operation, enabling safe and efficient collection of floating debris in environmentally sensitive areas with minimal human intervention. The vessel shall be equipped with a front-mounted mechanical skimmer or conveyor collection system capable of collecting floating plastics, litter, invasive aquatic vegetation and mangrove biomass into a removable onboard collection bin having a collection capacity of approximately 200 kg per operation or equivalent. The propulsion and collection systems shall be designed for low-noise, zero-emission operation to minimise disturbance to birds, aquatic fauna and mangrove habitats.

The boat shall include a manual pole-push override or equivalent manual manoeuvring arrangement for operation in extremely shallow stretches where powered navigation may not be feasible. The overall design shall be lightweight, corrosion-resistant, easy to maintain and suitable for continuous operation within ecologically sensitive mangrove ecosystems. The proposed system shall ensure efficient waste removal while avoiding damage to mangrove roots, pneumatophores and associated wetland habitats. Bidders may offer equivalent or superior technology meeting or exceeding the above functional and technical requirements.

Item No 3: Board Requirement – Inflatable Rescue Boat

The Inflatable Rescue Boat (IRB) shall be designed for emergency rescue, disaster response, evacuation, patrolling and rapid deployment in mangrove creeks, wetlands, tidal waters and flood-prone areas. The boat shall be lightweight, portable and suitable for operation in shallow and confined waterways.

The boat shall be available in sizes ranging from 3.5 m to 4.2 m, with a seating capacity of 6–10 persons, and constructed from heavy-duty reinforced PVC or Hypalon fabric with multiple independent air chambers. It shall be powered by a 15–30 HP outboard engine and supplied with a foot pump, paddles/oars, repair kit and carrying accessories. The hull weight should preferably not exceed 110 kg for ease of transportation and deployment.

For large-scale rescue operations, bidders may also offer an NDRF-pattern Inflatable Motor Rescue Boat with a capacity of up to 20 persons, incorporating a corrugated buoyancy floor, reinforced seating beams with reserve buoyancy exceeding 100 kg, and splash protection for operation in strong currents. Alternatively, a Hard-Hull Rescue Boat of approximately 4.0 m length, accommodating 8 persons and powered by a 30 HP outboard engine, may also be offered.

All rescue boats shall be equipped with life jackets, lifebuoy, first-aid kit, fire extinguisher, navigation lights, emergency kill switch, non-slip flooring and grab ropes. Bidders may offer equivalent or superior models meeting or exceeding the above functional and technical requirements.