



**Diffusion dans toute la région du Lac Tchad
Broadcasting throughout the Lake Chad Region**

Request for Quotation (RFQ)

Supply and Delivery of Radio Equipment for Field Sites in the Lake Chad Region, Chad

I. General Information

Detail	Specification
RFQ Title	Supply and Delivery of Radio for RNI field sites in the Lake Chad region, Chad.
Project	Radio for Lake Chad sites
Issuing Authority	Okapi Consulting
Title of Work	Supply of radio equipment
Ref. No.	OKAPI/RFQ/LAKE-CHAD/2025/01
Issue Date	14 November 2025
Submission Deadline	23:59, 30 November 2025
Clarification Deadline	12:00 noon, 20 November 2025
Contact for Clarification and Submission	tender3@okapi.cc



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II. Introduction and background

Okapi Consulting seeks comprehensive proposals from qualified service providers to deliver essential Radio Equipment for its FM transmission RNI sites located in the Lake Chad region.

Radio Ndarason Internationale (RNI) is a critical information source, reaching over 7.5 million regular listeners on Shortwave and FM. RNI's programming, broadcast in the Kanuri, Kanembu, and Buduma languages, targets areas impacted by the Boko Haram insurgency and plays a pivotal role in promoting peace and stability in the region, aligning with the African Union's mandate. This procurement is vital to maintaining and expanding RNI's broadcast capacity.

III. Scope of Work (SOW) - mandates delivery CIF to N'Djamena International Airport

The contract is for a complete for the **full supply** of the equipment detailed in Section IV. Bidders must account for the following mandatory elements:

- a) **Transport: Transport and logistics** require all international suppliers to deliver the equipment CIF (incoterms 2010) to N'Djamena International Airport or to our office in N'djamena for local suppliers.
- b) **Environmental Requirement:** All supplied equipment must be suitable for the harsh operational environment, including high heat and dust. Bidders should note that the container-based sites lack proper aeration, leading to excessive heat accumulation. the bidder **must explicitly describe how their proposed equipment (especially the RFE 1000W Transmitter) is rated to handle the maximum expected operational temperatures** in the container.
- c) **Warranty:** A minimum **2-year structural warranty** on the equipment.



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IV. Equipment list and technical Specifications

Bidders must provide an itemized quote corresponding to the following complete equipment list. Bids should state whether the specified model or an equivalent is being proposed.

Item	Qty	Description	Specifications
1	6	Glensound SD1+ Silence Detector (or equivalent)	2 Pairs of Stereo Analogue Inputs, AC Consumption: 2.8 Watts @ 230VAC PHYSICAL Size: 445 x 164 x 44mm (LxDxH) no rack ears, 482mm 19" (1RU) with rack ears
2	24	Stereo Phono to 2 x XLR Male Audio Cable 1.5m	Professional Quality Audio Cable 20Hz – 20kHz
3	6	Air Blower	220V AC, 500W
4	1	19" Monitor (for Canal+ Decoder)	HDMI input, 60Hz, 220V AC power consumption
5	1	HDMI to HDMI Cable 1m	HDMI connectors at both ends
6	6	Surge Protected 6 way Power Extension Lead 5m	6 sockets with 5m extension cable. 13 amps - max amps protection 13 amps. Surge protection with surge indicator. Power indicator.
7	2	RFE 1000 Watt Professional FM Transmitter with RDS, Audio Processor, Audio over IP card and Power Reduction Scheduler (or equivalent)	RF Output Impedance 50 ohm. RF Output Connector "7/16" DIN. Monitor RF BNC connector. VSWR 1,5:1 WITH AUTOMATIC FOLDBACK. Frequency Range 87.5 ÷ 108.00 MHz. Frequency Stability ±1 ppm from -5 to 45°C. Type of Modulation Analogue. Off Lock Attenuation ≥ -80 dBc. Modulation Capability ±150 KHz. Limiter built in. Power Scheduler Built In. Audio Processor Built In. Power Good Detector adjustable from 20÷90% of the power. Audio Presence Detector adjustable time from front panel. External AGC Automatic, with fine ADJ back panel. Modulation Mode Mono, Stereo, Multiplex, SCA, RDS, Aux. Preemphasis Flat/50/75µs selectable from front panel.
8	2	Spare Power Supplies for the	Components must be the same as those that are fitted



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		RFE 1000W Transmitters	into the 1000W transmitters above.
9	2	Spare Output Transistors (MOS-FETs) for the RFE 1000W Transmitters	Components must be the same as those that are fitted into the 1000W transmitters above.
10	3	Rackmount FM Broadcast Audio Processor (DEVA DB-6400 or equivalent)	Rackmount 1RU FM 4-Band Audio Processor with Backup Audio Player
11	6	XLR M to XLR F 3m Audio Cable	Professional Quality Audio Cable 20Hz – 20kHz
12	3	RFS 7/8" Outdoor Coaxial Cables	80m 7/8" 50 Ohm FM Band (88-108 MHz) Outdoor Rated
13	60	Cable Clamps (hanger blocks) for 7/8 Coaxial Cables	Outdoor Rated, single cable, for 7/8 coaxial cable
14	6	7/16 DIN Male Connectors for 7/8 Cable	Transmission Line Type Coaxial Cable Cable Size 7/8 Cable Type Foam Dielectric Connector Interface 7-16 DIN Nominal Impedance, ohms 50 Waterproof Level IP68
15	24	Jumper Leads – N to N 5.5m	RG213 50 Ohm Coaxial Cable, Fitted with N Type Male Connectors at both ends. Professional broadcast quality.
16	4	Waterproofing Kits	Professional Quality Insulation Tape and Self-Amalgamating Tape
17	10	Weather Resistant Cable Ties (Pack of 100)	150 x 3.20mm Weather Resistant Cable Tie
18	1	Complete Solar, RF and Electronics Toolkit	Professional Quality Tools. Include the following tools: VDE Combicutter 3 160mm; Combination pliers 185mm; Snipe nose pliers 175mm; VDE screwdrivers, slotted, sizes: 2.5 x 75 & 4 x 100mm; Pozidriv, sizes: 1 x 80 & 2 x 100mm; Phillips, sizes: 1 x 80 & 2 x 100mm; Modulo, size: 2; VDE mains tester; Tape 5m/16ft; Junior hacksaw; Electrician's knife; Automatic wire stripper Claw hammer, Ratchet Crimping Plier Solar PV, Cable Cutter 210mm, PV Strip Pro 1.5-16mm, 3/8in Socket & Spanner Set, MC4 Solar Connection Spanner 1000V,



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			MC4 Solar Connection Spanner 1500V, Magnetic Nut Drivers Set/7pc, Hexagon Key Metric Folding Set/8pc. Heavy Duty Saw Precision screwdriver set Soldering iron Soldering station Solder wire Desoldering pump & wick Mini side cutters Small long-nose pliers Precision multimeter Cable ties, UV-resistant, 100–300 mm, Outdoor-rated Insulation Tape Self-Amalgamating Tape
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V. Vendor requirements and mandatory quotation contents

Bidders are requested to submit a detailed proposal (RFQ) addressing the project's objectives, scope, deliverables, timelines, and budget.

A. Company eligibility and experience

- a) The bidder should be a reputable registered company with at least **three years of experience** providing similar services.
- b) The bidder must have a **proven track** record of meeting delivery deadlines for at least **two (2) similar projects** in the last three years.
- c) The bidder must be responsive to requests for clarification regarding the project.

B. Quotation requirements

Quotations shall be **signed, stamped, and scanned in colour**. The quotation must include the following mandatory components:

- a) **Quotation currency:** All financial submissions MUST be in Euros (€) or EUR or XAF if local suppliers.
- b) **Pricing structure:** Quoted prices must be all-inclusive and cover delivery **CIF to N'Djamena International Airport (for international suppliers) or our office in N'djamena for local suppliers**.
- c) **Delivery period:** A clearly stated and realistic delivery period for the full supply. Provide a detailed logistical schedule.
- d) **Quotation letter:** Signed and stamped, guaranteeing validity for at least ninety (90) calendar days.
- e) **Payment terms:** Clearly state the payment terms.
- f) **Delivery terms, bank details, and contact details.**



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VI. Submission and evaluation criteria

A. Submission instructions

- a) **Clarification requests:** Send requests to tender3@okapi.cc not later than 12:00 noon on 20th November 2025. The subject line must include the RFQ number and Title.
- b) **Submission:** All quotations must be formally addressed to Okapi Consulting and sent via email to tender3@okapi.cc not later than 23:59 on 30th November 2025. The subject line must include the RFQ number and Title.

B. Evaluation criteria

Proposals will be evaluated based on the following weighted criteria for transparency and uniformity:

Criterion	Weight
Total Price (Value for Money)	60%
Quality of Equipment Proposed and Adherence to Specifications	20%
Experience and Track Record (Similar projects)	10%
Delivery and Logistics Plan (Detail and realism)	10%
Total	100%

VII. Okapi Consulting's rights

Okapi Consulting reserves the right to accept or reject any quotation, cancel the procurement process, and reject all quotations without prior notice or explanation.