



PRIVATE BAG 12003 WINDHOEK NAMIBIA | (TEL) +264 83 235 2100 | (WEB) [HTTP://WWW.NCAA.COM.NA](http://WWW.NCAA.COM.NA)

NAMIBIA CIVIL AVIATION AUTHORITY (NCAA)

OPEN INTERNATIONAL BIDDING FOR GOODS

PROCUREMENT REFERENCE NO: G/OIB/NCAA-01/2026

**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF THE NEW VERY HIGH
FREQUENCY (VHF) OMNIDIRECTIONAL RANGE (VOR)& DISTANCE MEASURING
EQUIPMENT (DME) AT KEETMANSHOOP AIRPORT & HOSEA KUTAKO INTERNATIONAL
AIRPORT**

Bidder Name: _____	Bidder Representative: _____
Tel: _____	Mobile: _____
Email: _____	
Bid Price N\$ _____ VAT Exc	
Delivery period (days):	

DATE ISSUED: 30 JULY 2026

BID CLOSING DATE: 11 SEPTEMBER 2026

BID CLOSING TIME: 11:00 AM

**Namibia Civil Aviation Authority
Head Office
No.4 Rudolph Hertzog street
Ausspanplatz
Windhoek Namibia**

**| Email: PMU@ncaa.na
| Website: www.ncaa.com.na
| Tel: +264 83 235 2166/8/7/2201**

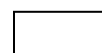
Table of Contents

PART 1 – Bidding Procedures	1
Section I. Instructions to Bidders.....	2
Section II. Bidding Data Sheet (BDS)	27
Section III. Evaluation and Qualification Criteria	34
Section IV. Bidding Forms	44
PART 2 – Supply Requirements	60
Section V. Schedule of Requirements.....	61
PART 3 - Contract	67
Section VI. General Conditions of Contract.....	68
Section VII. Special Conditions of Contract	88
Section VIII. Contract Forms.....	93
1. Contract Agreement	94

PART 1 – Bidding Procedures

Section I. Instructions to Bidders**Table of Clauses**

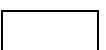
A. General.....	4
1. Scope of Bid	4
2. Source of Funds	4
3. Public Entities Related to Bidding Documents and to Application for Review ..	5
4. Fraud and Corruption	5
5. Eligible Bidders	8
6. Eligible Goods and Related Services.....	11
B. Contents of Bidding Documents	11
7. Sections of Bidding Documents	11
8. Clarification of Bidding Documents	12
9. Amendment of Bidding Documents	13
C. Preparation of Bids	13
10. Cost of Bidding	13
11. Language of the Bid	13
12. Documents Comprising the Bid	14
13. Bid Submission Form and Price Schedules	15
14. Alternative Bids.....	15
15. Bid Prices and Discounts	15
16. Currencies of Bid	18
17. Documents Establishing the Eligibility of the Bidder	18
18. Documents Establishing the Eligibility of the Goods and Related Services.....	18
19. Documents Establishing the Conformity of the Goods and Related Services.	18
20. Documents Establishing the Qualifications of the Bidder	20
21. Period of Validity of Bids	21
22. Bid Security	21



23.	Format and Signing of Bid	23
D. Submission and Opening of Bids		24
24.	Submission, Sealing and Marking of Bids	24
25.	Deadline for Submission of Bids	25
26.	Late Bids	25
27.	Withdrawal, Substitution, and Modification of Bids	25
28.	Bid Opening	26
E. Evaluation and Comparison of Bids.....		28
29.	Confidentiality	28
30.	Clarification of Bids.....	29
31.	Responsiveness of Bids	29
32.	Nonconformities, Errors, and Omissions	30
33.	Preliminary Examination of Bids	31
34.	Examination of Terms and Conditions; Technical Evaluation	31
35.	Margin of Preference	32
36.	Evaluation of Bids	32
37.	Comparison of Bids	34
38.	Post-qualification of the Bidder	34
39.	Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids	35
F. Award of Contract.....		35
40.	Award Criteria	35
41.	Purchaser's Right to Vary Quantities at Time of Award	35
42.	Notification of Award.....	35
43.	Signing of Contract	36
44.	Performance Security	37
45.	Debriefing	37



Section I. Instructions to Bidders	
	A. General
1. Scope of Bid	1.1 The Purchaser indicated in the Bidding Data Sheet (BDS), issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this procurement through Open International Bidding are specified in the BDS. The name, identification, and number of lots are provided in the BDS. 1.2 Throughout these Bidding Documents: (a) the oibterm "in writing" means communicated in written form (e.g. by mail, fax,) with proof of receipt; (b) if the context so requires, "singular" means "plural" and vice versa; and (c) "day" means calendar day. (d) PDN refers to the definition provided in section 30 (b) of the Public Procurement Act of 2015.
2. Source of Funds	2.1 Unless otherwise stated in the BDS, this procurement shall be financed by the Public Entity's own budgetary allocation.



3. Public Entities Related to Bidding Documents and to Application for Review	3.1 The public entities related to these bidding documents are the Public Entity, acting as procurement entity (Purchaser), the Procurement Policy Unit, in charge of issuing standard bidding documents and responsible for any amendment these may require, the Central Procurement Board in charge of vetting Bidding document, receiving and evaluation of bids in respect of major contracts and the Review Panel, set up under the Public Procurement Act, 2015 (hereinafter referred to as the Act.)
4. Fraud and Corruption	4.1 It is the policy of the Government of the Republic of Namibia to require Public Entities, as well as bidders, suppliers, and contractors and their agents (whether declared or not), personnel, subcontractors, sub-consultants, service providers and suppliers, observe the highest standard of ethics during the procurement and execution of contracts. ¹ In pursuance of this policy, the Government of the Republic of Namibia: (a) defines, for the purposes of this provision, the terms set forth below as follows: (i) "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party²; (ii) "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a

¹ In this context, any action taken by a bidder, supplier, contractor, or any of its personnel, agents, sub-consultants, sub-contractors, service providers, suppliers and/or their employees to influence the procurement process or contract execution for undue advantage is improper.

² "Another party" refers to a public official acting in relation to the procurement process or contract execution. In this context, "public official" includes Purchaser's staff and employees of other organizations taking or reviewing procurement decisions.

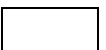


	party to obtain a financial or other benefit or to avoid an obligation;³ (iii) “collusive practice” is an arrangement between two or more parties⁴ designed to achieve an improper purpose, including to influence improperly the actions of another party; (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party⁵ or the property of the party to influence improperly the actions of a party; (v) “obstructive practice” is (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede the Purchaser's investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or (bb) acts intended to materially impede the exercise of the Purchaser's inspection and audit rights provided for under sub-clause 4.2
--	--

³ “Party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

⁴ “Parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, noncompetitive levels.

⁵ “Party” refers to a participant in the procurement process or contract execution.

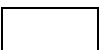


	below. (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question; and (c) will sanction a firm or an individual, at any time, in accordance with prevailing legislations, including by publicly declaring such firm or individual ineligible, for a stated period of time: (i) to be awarded a public contract; and (ii) to be a nominated^b sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a public contract. 4.2 In further pursuance of this policy, Bidders shall permit the Purchaser to inspect any accounts and records and other documents relating to the Bid submission and contract performance, and to have them audited by auditors appointed by the Purchaser. 4.3 Furthermore, bidders shall be aware of the provision in Clauses 3.1 and 35.1 (a) of the General Conditions of Contract. 4.4 Bidders, suppliers and public officials shall also be aware of the provisions stated in section 67 and 68 of the Public
--	---

^b A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which either has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that are accounted for in the evaluation of the bidder's pre-qualification application or the bid; or (ii) appointed by the Purchaser.



	Procurement Act, 2015 which can be consulted on the website of the Procurement Policy Unit (PPU) : www.mof.gov.na/procurement-policy-unit
5. Eligible Bidders	5.1 (a) Subject to ITB 5.4, A Bidder, and all parties constituting the Bidder, may have the nationality of any country. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall not apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including Related Services as these are required to be Namibian. (b) A Bidder may be a natural person, private entity, government-owned entity (subject to ITB 5.5) or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV: (i) all parties to the JV shall be jointly and severally liable; and (ii) a JV shall nominate a Representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution. 5.2 A Bidder shall not have conflict of interest. All bidders



	found to have conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to: (a) have controlling shareholders in common; or (b) receive or have received any direct or indirect subsidy from any of them; or (c) have the same legal representative for purposes of this Bid; or (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or (f) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid. 5.3 (a) A Bidder that is under a declaration of ineligibility by the Government of Namibia in accordance with applicable laws at the date of the deadline for bid
--	--



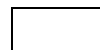
	submission or thereafter, shall be disqualified. (b) Bids from suppliers appearing on the ineligibility lists of African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank Group and World Bank Group shall be rejected. Links for checking the ineligibility lists are available on the Procurement Policy Unit's website: www.mof.gov.na/procurement-policy-unit
5.4	A firm shall be excluded if by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Namibia prohibits any import of goods or contracting of Works or services from a country where it is based or any payment to persons or entities in that country.
5.5	Government-owned enterprises in the Republic of Namibia shall be eligible only if they can establish that they: (i) are legally and financially autonomous; (ii) operate under commercial law, and (iii) are not a dependent agency of the Purchaser.
5.6	Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.



6. Eligible Goods and Related Services	6.1 All the Goods and Related Services to be supplied under the Contract may have their origin in any country subject to ITB 5.3 and 5.4. 6.2 For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, industrial plants and “related services” which include services such as insurance, installation, training, and initial maintenance. 6.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
	B. Contents of Bidding Documents
7. Sections of Bidding Documents	7.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 9. PART 1 Bidding Procedures • Section I. Instructions to Bidders (ITB) • Section II. Bidding Data Sheet (BDS) • Section III. Evaluation and Qualification Criteria • Section IV. Bidding Forms



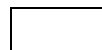
	PART 2 Supply Requirements • Section V. Schedule of Requirements PART 3 Contract • Section VI. General Conditions of Contract (GCC) • Section VII. Special Conditions of Contract (SCC) • Section VIII. Contract Forms
	7.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents. 7.3 The Purchaser is not responsible for the completeness of the Bidding Documents and their addendum, if they were not obtained directly from the Purchaser. 7.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.
8. Clarification of Bidding Documents	8.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address specified in the BDS. The Purchaser will respond within three (3) working days, in writing to any request for clarification, provided that such request is received no later than the number of days, specified in the BDS, prior to the deadline set for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but



	without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 9 and ITB Sub-Clause 25.2.
9. Amendment of Bidding Documents	9.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum. 9.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser. 9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 25.2
	C. Preparation of Bids
10. Cost of Bidding	10.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
11. Language of the Bid	11.1 The Bid, as well as all correspondences and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, such translation shall govern.



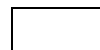
12. Documents Comprising the Bid	12.1 The Bid shall comprise the following: (a) the Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 13, 15, and 16; (b) the Bid Security or Bid-Securing Declaration, in accordance with ITB Clause 22, if required; (c) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 23.2; as specified in the BDS. (d) documentary evidence in accordance with ITB Clause 17 establishing the Bidder's eligibility to bid; (e) documentary evidence in accordance with ITB Clause 18, that the Goods and Related Services to be supplied by the Bidder are of eligible origin; (f) documentary evidence in accordance with ITB Clauses 19 and 31, that the Goods and Related Services conform to the Bidding Documents; (g) documentary evidence in accordance with ITB Clause 20 establishing the Bidder's qualifications to perform the contract if its bid is accepted, (h) following documentary evidence (required from Namibian bidders): 1. have a valid company Registration Certificate; 2. have an original valid good Standing Tax Certificate;
--	--



	3. have an original valid good Standing Social Security Certificate; 4. have a valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998; 5. have a certificate indicating SME Status (for Bids reserved for SMEs); (i) any other document required in the BDS.
13. Bid Submission Form and Price Schedules	13.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alteration to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 13.2 The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms
14. Alternative Bids	14.1 Unless otherwise specified in the BDS, alternative bids shall not be considered.
15. Bid Prices and Discounts	15.1 The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules shall conform to the requirements specified below. 15.2 All lots and items must be listed and priced separately in the Price Schedules. 15.3 The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discount offered.



	15.4 The Bidder shall quote any unconditional discount and indicate the method for their application in the Bid Submission Form. 15.5 The terms EXW, CIP, CIF, DDP and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, as specified in the BDS. 15.6 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through the carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible country. Prices shall be entered in the following manner: (a) For Goods offered from within Namibia : (i) the price of the goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties already paid or payable on the components and raw material used in the manufacture or assembly of goods quoted ex works or ex-factory, or on the previously imported goods of foreign origin quoted ex-warehouse, ex-showroom, or off-the-shelf; (ii) VAT payable on the Goods if the Contract is awarded to the Bidder; and
--	---

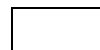


	(iii) the total price for the item. (b) For Goods offered from outside Namibia : (i) the price of the goods quoted CIF (named port of destination), or CIP (named place of destination), in the Namibia, as specified in the BDS; (ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the BDS; (iii) the total price for the item. (c) For Related Services whenever such Related Services are specified in the Schedule of Requirements: (i) the local currency cost component of each item comprising the Related Services; and (ii) the foreign currency cost component of each item comprising the Related Services, inclusive of custom duties, withholding and VAT, payable on the Related Services, if the Contract is awarded to the Bidder. 15.7 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account in respect of changes in production cost, unless otherwise specified in the BDS. A Bid submitted with an adjustable price quotation in this respect shall be treated as non-responsive and shall be rejected, pursuant to ITB Clause 31. However, if in accordance with the BDS, prices quoted by the Bidder
--	---



	shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero. 15.8 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the BDS, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction in accordance with ITB Sub-Clause 15.4 provided the bids for all lots are submitted and opened at the same time.
16. Currencies of Bid	16.1 Bidders shall quote only in Namibia dollars as specified in the BDS.
17. Documents Establishing the Eligibility of the Bidder	17.3 To establish their eligibility in accordance with ITB Clause 5, Bidders shall complete the Bid Submission Form, included in Section IV: Bidding Forms.
18. Documents Establishing the Eligibility of the Goods and Related Services	18.1 To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 6, Bidders shall complete the country-of-origin declarations in the Price Schedule Forms, included in Section IV: Bidding Forms.
19. Documents	19.1 To establish the conformity of the Goods and Related

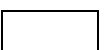
Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Establishing the Conformity of the Goods and Related Services	Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements. 19.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements. 19.3 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in the BDS following commencement of the use of the goods by the Purchaser. 19.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.
---	---



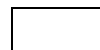
20. Documents Establishing the Qualifications of the Bidder	20.1 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction that: (a) if required in the BDS, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms, to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Namibia; (b) if required in the BDS, in case of a Bidder not doing business within Namibia, the Bidder is or will be (if awarded the contract) represented by an Agent in Namibia equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and (c) the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.
---	---



21. Period of Validity of Bids	21.1 Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive. 21.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 22, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB Sub-Clause 21.3. 21.3 In the case of fixed price contracts, if the award is delayed by a period exceeding sixty (60) days beyond the expiry of the initial bid validity, the Contract price shall be adjusted as specified in the request for extension. Bid evaluation shall be based on the Bid Price without taking into consideration the above correction.
22. Bid Security	22.1 The Bidder shall either furnish as part of its bid, a Bid Security or subscribe to a Bid Securing Declaration in the Bid Submission Form as specified in the BDS. 22.2 The Bid Securing Declaration shall be in the form of a signed subscription in the Bid Submission Form. 22.3 The Bid Security shall be in the amount or percentage specified in the BDS and denominated in Namibia dollars or a freely convertible currency with a counter-guarantee from a commercial bank from Namibia, and shall:



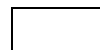
	(a) be in the form of a bank guarantee from a reputable overseas bank, or (b) be issued by a commercial bank operating in Namibia. (c) be substantially in accordance with the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission; (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 22.6 are invoked; (e) be submitted in its original form; copies will not be accepted; (f) remain valid for a period of 30 days beyond the validity period of the bids, as extended, if applicable, in accordance with ITB Clause 21.2; 22.4 Any bid not accompanied by an enforceable and substantially compliant Bid Security or not containing a subscription to a Bid Securing Declaration in the Bid Submission Form, if required, in accordance with ITB 22.1, shall be rejected by the Purchaser as nonresponsive. 22.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 44. 22.6 The Bid Security shall be forfeited or the Bid Securing Declaration executed: (a) if a Bidder withdraws its bid during the period of bid
--	---



	validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 21.2; or (b) if a Bidder refuses to accept a correction of an error appearing on the face of the Bid; or (c) if the successful Bidder fails to: sign the Contract in accordance with ITB 43; or furnish a performance security in accordance with ITB 44; 22.7 The Bid Security or Bid- Securing Declaration of a Joint Venture (JV) must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Security or Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent mentioned in Section IV "Bidding Forms," Bidder Information Form Item 7. 22.8 If a bid security is not required in the BDS, and (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 20.2; (b) if a Bidder refuses to accept a correction of an error appearing on the face of the Bid; or (c) if the successful Bidder fails to: sign the Contract in accordance with ITB 43; or furnish a performance security in accordance with ITB 44. the bidder may be disqualified by the Review Panel to be awarded a contract by any Public Entity for a period of time.
23. Format and	23.1 The Bidder shall prepare one original of the documents



Signing of Bid	comprising the bid as described in ITB Clause 12 and clearly mark it "ORIGINAL." In addition, the Bidder shall submit copies of the bid, in the number specified in the BDS and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail. 23.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. 23.3 Any interlineation, erasure, or overwriting shall be valid only if it is signed or initialed by the person signing the Bid.
	D. Submission and Opening of Bids
24. Submission, Sealing and Marking of Bids	24.1 Bidders may always submit their bids by mail or by hand. When so specified in the BDS, bidders shall have the option of submitting their bids electronically. (a) Bidders submitting bids by hand, shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB Clause 14, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB sub-Clauses 24.2 and 24.3. (b) Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the BDS. 24.2 The inner and outer envelopes shall:

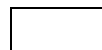


	(a) bear the name and address of the Bidder; (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 25.1; (c) bear the specific identification of this bidding process indicated in ITB 1.1 and any additional identification marks as specified in the BDS, and (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 28.1. 24.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.
25. Deadline for Submission of Bids	25.1 Bids must be received by the Purchaser at the address and not later than the date and time specified in the BDS. 25.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 9, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
26. Late Bids	26.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 25. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
27. Withdrawal, Substitution, and	27.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 24, duly signed by an

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



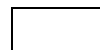
Modification of Bids	authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 23.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be: (a) submitted in accordance with ITB Clauses 23 and 24 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 25. 27.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 27.1 shall be returned unopened to the Bidders. 27.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.
28. Bid Opening	28.1 The Purchaser shall conduct the bid opening in the presence of the Bidders' representatives who choose to attend at the address, date and time specified in the BDS. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB Sub-Clause 24.1 shall be as specified in the BDS.



	28.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further. 28.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder; the Bid Price(s), including any discounts and alternative bids and indicating whether there is a modification; the presence of a bid security or the subscription with respect to the Bid Securing Declaration in the Bid Submission Form, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at bid opening shall be considered for evaluation. No bid shall be rejected at bid opening except
--	--



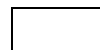
	for late bids, in accordance with ITB 26.1. 28.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts, and alternative offers if they were permitted; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a bidder's signature on the record shall not invalidate the contents and the effect of the record. A copy of the record shall be distributed, upon request, to all Bidders who submitted bids in time; and posted on line when electronic bidding is permitted.
	E. Evaluation and Comparison of Bids
29. Confidentiality	29.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award. 29.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid. 29.3 Notwithstanding ITB Sub-Clause 29.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.



30. Clarification of Bids	30.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 32.
31. Responsive ness of Bids	31.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself. 31.2 A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that: (a) affects in a substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or (b) limits in a substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or (c) if rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids. 31.3 If a bid is not substantially responsive to the Bidding



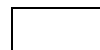
	Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.
32. Nonconformities, Errors, and Omissions	32.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation. 32.2 Provided that a bid is substantially responsive, the Purchaser may request the Bidder to submit the necessary information or documentation, within a reasonable period of time, or to rectify nonmaterial nonconformities or omissions in the bid relating to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid. 32.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis: (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected; (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall



	prevail and the total shall be corrected; and (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
33. Preliminary Examination of Bids	33.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 12 have been provided, and to determine the completeness of each document submitted. 33.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected. (a) Bid Submission Form, in accordance with ITB Sub-Clause 13.1; (b) Price Schedules, in accordance with ITB Sub-Clause 13.2; (c) Bid Security or Bid Securing Declaration, in accordance with ITB Clause 22, if applicable.
34. Examination of Terms and Conditions; Technical Evaluation	34.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation. 34.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 19, to confirm that all requirements specified in Section V, Schedule of



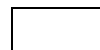
	Requirements of the Bidding Documents have been met without any material deviation or reservation. 34.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 31, it shall reject the Bid.
35. Margin of Preference	35.1 Margin of preference shall not be a factor in bid evaluation, unless otherwise specified in the BDS.
36. Evaluation of Bids	36.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive. 36.2 To evaluate a Bid, the Purchaser shall use only the factors, methodologies and criteria defined in ITB Clause 37. No other criteria or methodology shall be permitted. 36.3 To evaluate a Bid, the Purchaser shall consider the following: (a) evaluation to be done for Items or Lots, as specified in the BDS; and the Bid Price as quoted in accordance with clause 15; (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 32.3; (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 15.4; (d) adjustments due to the application of the evaluation criteria specified in the BDS from amongst those set



	out in Section III, Evaluation and Qualification Criteria; (e) adjustments due to the application of a margin of preference, in accordance with ITB Clause 36 if applicable. 36.4 (a) The Purchaser's evaluation of a bid will take into account: (i) in the case of Goods offered from within Namibia, all taxes but excluding VAT payable on the Goods if the Contract is awarded to the Bidder; (ii) in the case of Goods offered from outside Namibia, customs duties applicable in and payable on the Goods if the Contract is awarded to the Bidder; and (iii) transport and other costs for the goods to reach its final destination. (b) The Purchaser's evaluation of a bid will not take into account any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid. 36.5 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 15. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate
--	---



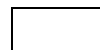
	comparison of bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 36.3 (d). 36.6 If so specified in the BDS, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations is specified in Section III, Evaluation and Qualification Criteria.
37. Comparison of Bids	37.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 36.
38. Post-qualification of the Bidder	38.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily. 38.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 20. 38.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily. 38.4 Notwithstanding anything stated above, the Purchaser reserves the right to assess the Bidder's capabilities and



	capacity to execute the Contract satisfactorily before deciding on award.
39. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids	39.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.
	F. Award of Contract
40. Award Criteria	40.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
41. Purchaser's Right to Vary Quantities at Time of Award	41.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed the percentages/ specified in the BDS , and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
42. Notification of Award	42.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the selected bidder of the proposed award and accordingly notify unsuccessful bidders. Subject to any application for review, the Purchaser shall notify the selected Bidder, in writing, by a Letter of Acceptance for award of contract. The Letter of



	Acceptance shall specify the sum that the Purchaser will pay the Supplier in consideration of the execution and completion of the Contract (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price"). Within seven days from the issue of Letter of Acceptance, the Purchaser shall publish on the Public Procurement Policy Unit www.mof.gov.na/procurement-policy-unit, and the Purchaser's website, the results of the Bidding Process identifying the bid and lot numbers and the following information: (i) name of the successful Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded; and (ii) an executive summary of the Bid Evaluation Report 42.2 Until a formal Contract is prepared and executed, the letter of Acceptance shall not constitute a binding Contract.
43. Signing of Contract	43.1 Promptly after issue of letter of acceptance, the Purchaser shall send the successful Bidder the Agreement and the Special Conditions of Contract. 43.2 Within thirty (30) days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser. 43.3 Notwithstanding ITB 43.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to Namibia, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those

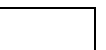


	products/goods, systems or services, the Bidder shall not be bound by its bid, always provided, however, that the Bidder can demonstrate to the satisfaction of the Purchaser that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.
44. Performance Security	44.1 Within thirty (30) days of the receipt of letter of Acceptance from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section VIII Contract forms, or another Form acceptable to the Purchaser. The Purchaser shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 22.5. 44.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall lead to the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.
45. Debriefing	45.1 The Purchaser shall promptly attend to all debriefing for the contract made in writing and within 30 days from the date of the publication of the award or date the unsuccessful



	bidders are informed about the award.
--	---------------------------------------

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: Namibia Civil Aviation Authority (NCAA)

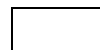


The name and identification number of the Procurement are:
G/OIB/NCAA-01/2026: Supply, Delivery, Installation and Commissioning of the New Very High Frequency (VHF) Omnidirectional Range (VOR)& Distance Measuring Equipment (DME) at Keetmanshoop Airport & Hosea Kutako International Airport.

The number, identification and names of the items comprising this Procurement are:

Item No.	Goods Description or related service	Qty	Final Destination (Site)
1	Safely decommission and removal of the current VOR/DME systems.	2	Hosea Kutako International Airport & Keetmanshoop Airport.
2	Supply, Delivery, Install, and Commissioning of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Hosea Kutako international Airport
3	Supply, Delivery, Install, and Commissioning of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Keetmanshoop A irport

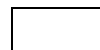
Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



ITB 1.1	The name of the Project is: Supply, Delivery, Installation and Commissioning of the New Very High Frequency (VHF) Omnidirectional Range (VOR)& Distance Measuring Equipment (DME) at Keetmanshoop Airport & Hosea Kutako International Airport.
ITB 2.1	The Funding Agency is: Namibia Civil Aviation Authority (NCAA)
ITB 3.1	(a) The address to file application for review is: The Review Panel Private Bag 13295 Windhoek Namibia
ITB 5.3	A list of firms debarred from participating in Public Procurement in Namibia is available at http://www.mof.gov.na/procurement-policy-unit A list of firms debarred by World Bank is available at http://www.worldbank.org/debarr
	B. Contents of Bidding Documents
ITB 8.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: pmu@ncaa.na Attention: Ms. Victoria Sanana Secretary: Procurement Committee Country: Namibia Town: Windhoek Telephone: +264 83 235 2166/8
ITB 8.1	Requests for Clarification should be received by the Employer no later than 14 working days prior to the deadline for submission of



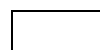
	bids.
	C. Preparation of Bids
ITB 12.1 (c)	(a) This authorization shall consist of written confirmation and shall be attached to the bid. It may include a delegation of power by resolution of the Board of a company or from the Accounting Officer, himself holding power from the Board or from a Director being a shareholder of a company or through a Power of Attorney. The name and position held by each person signing the authorization must be typed or printed below the signature. Note: The power of Attorney or other written authorization to sign may be for a determined period or limited to a specific purpose.
ITB 12.1 (i)	The Bidder shall submit following <u>Mandatory Documents</u> in its bid (failure to submit will lead to non-responsiveness): (a) A valid copy of the company Registration Certificate certified by a Commissioner of Oath (required from all bidders). (b) A valid original or certified copy of a good standing Tax Certificate certified by a Commissioner of Oath (only applicable to Namibian companies). (c) A valid original or certified copy of a good standing Social Security Certificate certified by a commissioner of (only applicable to Namibian companies). (d) A valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms



	of Section 42 of the Affirmative Action Act, 1998, or Proof that they have applied for the renewal of the compliance certificate (only applicable to Namibian companies). (e) Letter of Intent/ Memorandum of Understanding/ Contract Agreement between the Bidder and the Namibian Subcontractor undertaking works such as installation, testing and commissioning works. (f) Duly completed Bidder Information form – FORM A. (g) Duly completed and signed Bid Submission Form – FORM B. (h) Duly completed and signed written undertaking in terms of section 138 of the Labour Act, 2007 and section 50(2)(D) of the Public Procurement Act, 2015 – FORM C (applicable to Namibian registered companies or companies that would make use of Namibians as employees). (i) Duly completed Bid Securing Declaration form signed by an Authorized person and no alterations or amendments has been made to the form – FORM D. (j) Manufacturer's authorization letter (if the bidder is a subsidiary of the OEM) – FORM E. (k) Latest three (3) years externally audited financial statements or an unconditional letter of credit facility or any other financial means from a financial institution, template presented in FORM F. (l) Manufacturer's (Factory) Reference Form (clearly indicating the name, value and scope of work for the Contractor) - FORM G. (m) List of all current/existing projects – FORM H. (n) Completed and signed Price Schedule: Goods Manufactured
--	--



	outside Namibia to be imported – FORM I. (o) Completed List of Goods and Delivery schedule. (p) Signed List of Related Services and Completion Schedule. (q) Project / Delivery programme with clear dates on supply, delivery, installation and commissioning milestones. (r) Completed Form of Technical Warranty in accordance with GCC 28.3, as amended in the Special Conditions of Contract. (s) Completed & Signed Terms of References. (t) Initialized or signed copy of the Bidding documents should also be submitted. (u) The Bidder shall have no history of non-performance/ project delays on NCAA projects in the last 5 years. Bidder should provide a list of projects, including all NCAA projects, if any that have been completed/delivered or should have been completed/ delivered in the last 5 years – to be completed in FORM G and H. The Bidder shall submit the following additional documents in its bid (not mandatory, but required for technical evaluation): (v) Detailed outline or general arrangement drawings. (w) Electrical connectivity drawings. (x) Test certificates (from previous similar units commissioned). (y) Preliminary Inspection and Test Plan (ITP), clearly indicating the list of the tests and inspections to be carried out. r (z) Manufacturer's testing capabilities (List of test facilities/ equipment available or owned and available to be used for testing the equipment's during factory acceptance. (aa) ICAO compliance certificates
--	---

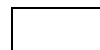


	(bb) Spares List Proposal (including indicative prices that will not be used for evaluation purposes). (cc) Auxiliary Equipment Data Sheets/ Technical Brochures. (dd) After-service method statement outlining the steps the bidder has put in place to assist the Purchaser post-delivery of the equipments.
ITB 14.1	Alternative Bids shall not be considered.
ITB 15.5	The Incoterms edition is: The latest Incoterms .
ITB 15.6 (b) (i) , (ii)	For Goods offered from outside Namibia, the Bidder shall quote prices using the following Incoterms: DDP (in the event the bidder is not a Namibian registered company, the price should be quoted excluding import VAT but must include withholding TAX where applicable). For Namibian registered companies, the import VAT should be indicated as a separate item for price comparison purposes.
ITB 15.7	The prices quoted by the Bidder shall not be subject to Contract Price Adjustment (CPA).
ITB 15.8	Prices quoted for each item of a lot shall correspond at least to 100% of the quantities specified for this item of a lot.
ITB 16.1	The Bidder shall quote only in Namibian Dollars.
ITB 19.3	Period of time the Goods are expected to be functioning (for the purpose of spare parts): minimum 15 years .



ITB 20.1 (a)	Manufacturer's authorization is required.
ITB 20.1 (b)	After sales service is required.
ITB 21.1	The bid validity period shall be 180 working days .
ITB 22.1	The Bidder shall subscribe to a Bid Securing Declaration by signing the Bid Submission Form containing the provision with regard thereto.
ITB 22.3	The amount or percentage of the Bid Security shall be: Not Applicable
ITB 22.8	If a bid security is not required and the Bidder incurs any of the actions prescribed in sub-paragraphs (a) to (c) of this provision, the Bidder may be declared ineligible to be awarded contracts by the Government of Namibia for a period of time (not exceeding 5 years) to be determined by the Review Panel.
ITB 23.1	In addition to the original of the bid, the number of copies is: Two (one hard copy and one electronic copy in a USB).
	D. Submission and Opening of Bids
ITB 24.1	Bidders shall not have the option of submitting their bids electronically.
ITB 24.1 (b)	If bidders shall have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: Not Applicable .
ITB 24.2 (c)	The inner and outer envelopes shall bear the following additional identification marks: Reference no.: G/OIB/NCAA-01/2026 - Supply, Delivery, Installation and Commissioning of the New Very High Frequency (VHF) Omnidirectional Range (VOR)& Distance

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



	Measuring Equipment (DME) at Keetmanshoop Airport & Hosea Kutako International Airport.
ITB 25.1	For bid submission purposes, the Purchaser's address is: Place of submission is: The Bid Box at the entrance foyer of the Namibia Civil Aviation Authority, 4 Rudolph Hertzog Street Windhoek, Namibia The deadline for the submission of bids is: Date: Friday, 11 SEPTEMBER 2026 Time: 11h00 am, Namibian time In the event of a dispute, such dispute will be resolved to the time reflected on the NCAA Clock at the NCAA office.
ITB 28.1	The bid opening shall take place at: Namibia Civil Aviation Authority, 4 Rudolph Hertzog Street Windhoek, Namibia Date: Friday, 11 SEPTEMBER 2026 Time: 11h15 am, Namibian time Bidders or their representatives may attend the Bid Opening session if they choose to do so.
ITB 28.1	If electronic bid submission is permitted in accordance with ITB sub-clause 23.1, the specific bid opening procedures shall be: Not Permitted



	An opening report will be shared with Bidders
	E. Evaluation and Comparison of Bids
ITB 35.1	The Margin of Preference shall apply in line with the Code Of Good Practice as specified in the Annex 8 herein.
ITB 36.3(a)	Technical Evaluation will be done per items and technical responsiveness shall be determined using the following criteria set out in Section III, (a) Evaluation of mandatory documents and information (b) Technical Criteria evaluation (c) Technical Evaluation (d) Post-qualification
ITB 36.3(d)	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: No adjustments applicable.
ITB 36.6	Bidders shall not be allowed to quote separate prices for one or more lots. Refer to Section III Evaluation and Qualification Criteria, for the evaluation methodology.
	F. Award of Contract
ITB 41.1	The maximum percentage by which quantities may be increased or decreased is: 0%.



Section III. Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser will use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria but the one indicated here shall be used during evaluation.

Contents

1. Evaluation Criteria (ITB 36.3 (a), (b) and (d))
2. Post-qualification Requirements (ITB 38.2)
3. Multiple Contracts (ITB 36.6)
4. Margin of Preference (ITB 35.1)



1. Evaluation Criteria (ITB 36.3 (a), (b) and (d))

ITB 36.3 (a)

The Purchaser's evaluation of a bid shall take into account, in addition to the Bid Price quoted in accordance with ITB Clause 15.6, the following factors as specified in ITB Sub-Clause 36.3(a) and in BDS referring to ITB 36.3(a), using the following criteria and methodologies:

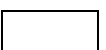
- **Evaluation of mandatory documents and information**

The bidding files shall be prepared in accordance to the information presented in Table 1. The documents indicated in Table 1 as "Mandatory" shall be evaluated on mandatory basis, and any non-submission/compliance will lead to non-responsiveness. Content of Table 1 below shall be read in conjunction with ITB 12.1 (h) and ITB 12.1 (i) in the **Bidding Data Sheet (BDS)**, of which the list indicated in the BDS shall take precedence, in case of discrepancies. The documentation checklist form must be submitted with the bid and shall follow the table of content page in the bidder's submission documents.

ITB 36.3 (b) and (d)

Financial Evaluation

The financial evaluation will be conducted as per Section 1.3 – Financial Criteria Evaluation below.



1.1 Eligibility Criteria Evaluation

Table 1: Bid Documentation Checklist

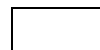
Section/ File No.	Mandatory Document	Document/ Item Description (refer to ITB 12.1 (i) in the Bidding Data Sheet for details)	Submitted (YES/NO)	Location on File/ Page No in bid (e.g. A.1)
Section 1/ File A	Mandatory	Copy of the original company Registration Certificate. This shall be submitted for the Namibian subcontractors as well in respect of installation, testing and commissioning works.		
	Mandatory	Letter of Intent/ Memorandum of Understanding/ Contract Agreement between the Bidder and the Namibian Subcontractor undertaking works such as installation, testing and commissioning works.		
	Mandatory	Original or certified copy of a valid good standing Tax Certificate (applicable to Namibian registered companies only). This shall be submitted for the subcontractors as well in respect of installation, testing and commissioning works.		

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



	Mandatory	Original or certified copy of a valid good standing Social Security Certificate (applicable to Namibian registered companies only). This shall be submitted for the subcontractors as well in respect of installation, testing and commissioning works.		
	Mandatory	A valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998 (applicable to Namibian registered companies only).		
	Mandatory	Completed Bidder Information form (FORM A)		
	Mandatory	Completed and signed Bid Submission Form (FORM B)		
	Mandatory	Completed and signed written undertaking in terms of section 138 of the Labour Act, 2007 and section 50(2)(D) of the Public Procurement Act, 2015 (applicable to Namibian registered companies or companies that would make use of Namibians as employees)		

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



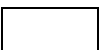
Section 2/ File B		(FORM C)		
	Mandatory	Bid securing declaration form signed by an Authorized person and no alterations or amendments has been made to the form (FORM D) .		
	Mandatory	Completed and signed Price Schedule: Goods Manufactured outside Namibia to be imported (FORM I) .		
	Mandatory	Manufacturer's authorization letter (if the bidder is a subsidiary of the OEM) (FORM E) .		
	Mandatory	Manufacturer's (Factory) Reference Form (FORM G) .		
	Mandatory	Completed List of Goods and Delivery Schedule		
	Mandatory	Signed List of Related Services and Completion Schedule		
	Mandatory	Project / Delivery Programme with clear dates on installation, testing and commissioning milestones		
	Mandatory	Completed Form/ letter of Technical Warranty in accordance with GCC 28.3, as amended in the Special Conditions of Contract		
	Mandatory	Completed Terms of References		
	Mandatory	Initialized or signed copy of the Bidding documents should also		

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



		be submitted.		
	Mandatory	Current/existing projects reference form (FORM H) (If a bidder has many existing projects that are delayed or behind schedule, such a bidder will be disqualified. Likewise, if a bidder fails to declare the existing projects or provides false information regarding the status of the existing contracts. NCAA, will automatically terminate the contract, if found that false information was provided during the bidding stage).		
	Mandatory	The Bidder shall have no history of non-performance/ project delays on NCAA projects in the last 5 years. Bidder should provide a list of all NCAA projects, if any that have been completed/delivered or should have been completed/delivered in the last 5 years – FORM G and H.		
Section 3/ File C	Mandatory	Latest three (3) years externally audited financial statements or an unconditional letter of credit facility or any other financial means from a financial institution, template presented in FORM F		

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



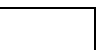
		shall be used)		
Section 4/ File D	Required for Technical Evaluation	Detailed outline or general arrangement drawings		
	Required for Technical Evaluation	Electrical connectivity drawings.		
	Required for Technical Evaluation	Test certificates (from previous similar units commissioned).		
	Required for Technical Evaluation	Preliminary Inspection and Test Plan (ITP), clearly indicating the list of the tests and inspections to be carried out),		
	Required for Technical Evaluation	Manufacturer's testing capabilities (List of test facilities/ equipment available or owned and available to be used for testing the equipment's during factory acceptance.		
	Required for Technical Evaluation	ICAO compliance certificates		
Section 5/ File E	Required for Technical	Auxiliary Equipment Data Sheets/ Technical Brochures		

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



	Evaluation			
	Required for Technical Evaluation	After-service method statement		
	For Information	Spares List Proposal		
Checked By:				
Signature:				

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



1.2 Mandatory Documentation and Criteria Evaluation

The following Criteria shall be used for the mandatory evaluation:

- 1.2.1 All documents listed in Table 1 which are indicated as mandatory documents shall form part of the mandatory evaluation. Any non-compliance shall lead to disqualification.
- 1.2.2 Meeting the delivery times as requested in the List of Goods & Delivery Schedule.
- 1.2.3 Qualification requirements:
 - The bidder shall be the Original Equipment Manufacturer (OEM) or a subsidiary of an OEM and the offered equipment shall be installed, tested and commissioned as per relevant standards with latest amendments. **Manufacturer's (Factory) Reference Form – Bid Form G** to be completed and submitted as well as manufacturers authorisation (in case of subsidiaries). Distributors/ Suppliers of equipment will not be accepted in this bid, irrespective whether there is an existing distribution/ supply agreement in place.
 - The factory proposed by the bidder/manufacturer must have at least 10 years of experience in manufacturing a similar type or higher rating of goods for which the Invitation of Bids is issued (reference list to include projects completed in the last ten years from the proposed factory). **Manufacturer's (Factory) Reference Form – Bid Form G** to be completed and submitted. The Purchaser reserve the right to contact the referenced projects, and if found unsatisfactory, the Bidder will be disqualified.
 - Installation, testing and commissioning work to be done together with a Namibian company **ONLY nominated by the bidder. However, the Bidder shall take full responsibility of the**

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



subcontractor's work and supervision of the work on site. In addition, the Bidder shall further confirm that all warranty and guarantees shall remain in place as requested in clause GCC 28. Bidder to provide a proof of letter of intent/ memorandum of understanding or contract agreement with a Namibian company in this regard. Failure to provide a letter of intent or contract agreement in this regard will lead to disqualification of the bidder. It should also be noted that the subcontractor cannot be changed at the award or after the award of the contract, unless otherwise approved by the NCAA Project Manager, based on a valid and compelling reason to be motivated by the Bidder.

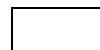
1.3 Technical Criteria Evaluation

The following Criteria shall be evaluated for Technical Evaluation. Bidders are to obtain a set minimum marks to be considered for further evaluation and failure to do so will result in the Bidder being deemed technically non-responsive.

Table 2: Technical Evaluation Criteria

No	Evaluation Criteria	SCORE
1	Bidder met or exceeded the requirements on any of the items indicated with specific values or specific wording in the Terms of Reference. <i>Evidence provided to be a ratio of compliance items</i>	20 Marks

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:

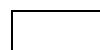


	<i>provided out of 175 Items.</i>	
2	Electrical provided drawings are compliant.	4 Marks
	Ability to conduct required tests during factory acceptance. Specifically, availability of the testing equipment for the following tests should be indicated: <i>Evidence is to be provided for each test that will be undertaken.</i>	
3	Pre-Test Preparation & Documentation Review (Verification of manufacturing tags, nameplates, software configuration and hardware design)	2 Marks
	Visual & Mechanical Inspection	2 Marks
	Functional Testing (Power Supplies & Transmitters, Monitoring Systems & Field Detectors)	2 Marks
	RF Performance Testing (Bearing Error Testing & Course Deviation Indicators)	2 Marks
4	Test certificates from three previous similar units commissioned. <i>5 Marks per VOR / DME commissioning.</i>	15 Marks
5	Auxiliary Equipment Data Sheets/ Technical Brochures for VOR and DME.	5 Marks
6	OEM Certificates of Origin covering all items supplied and their countries of origin.	5 Marks
7	Relevant Spares List Proposal for VOR and DME.	4 Marks
8	Proof of Namibian technical partner to provide first level	4

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



	maintenance support. <i>4 Marks for Agreement</i>	Marks
9	Proof of Namibian technical partner Local Technician with 10 years' experience in Electrical/Electronics Engineering with Bachelor's Degree or equivalent. <i>2 Marks for Qualification & 2 Marks for 10 years' Experience.</i>	4 Marks
10	Proof of Automation Certificate for the Lead Technician with 10 years' experience in Electrical/Electronics Engineering with Bachelor's Degree or equivalent. <i>2 Marks for Certificate, 1 Mark for Qualification & 1 Mark for 10 years' Experience.</i>	4 Marks
11	Proof of previously established relationship between OEM and local partners. <i>2 Marks per project.</i>	4 Marks
12	The bidder must possess valid ICAO certification, with copies of certification provided.	5 Marks
13	Quality assurance plan/ Quality plan clearly outlining the following as a minimum: • Policy compliance and auditing – what are the existing quality policies and procedures in the organization? What quality tools, techniques, and templates are used in the organization? <i>1 Mark</i> • Standards and regulatory compliance – what are the specific industry quality standards being	6 Marks



	applied and how does the organization ensure that these are complied with? <i>1 Mark</i> • Continuous improvement – How will quality improvement be managed in the project? Is it managed at the organizational level or at the project level? <i>1 Mark</i> • Stakeholder engagement – How are the suppliers selected and appointed? How does the bidder ensure that the customer is constantly engaged in the development of the project? <i>1 Mark</i> • How is quality managed, maintained and verified throughout the project. <i>1 Mark</i> • Which quality procedures are applied during manufacturing and testing/ inspection stages? <i>1 Mark</i>	
14	Preliminary Test and Inspection Plan (ITP): • The test and inspection plan should outline how the various tests indicated will be conducted and in accordance to which specific standards. <i>4 Marks</i> • It shall further indicate the acceptance criteria	6 Marks



	that will be used in adjudicating the test results. 2 Marks	
15	Clear and comprehensive after-service methodology, outlining the following steps: • In case of warranty claims, who to contact and the processes involved. 2 Marks • The approximate timeframe required to solve the problems. 2 Marks • The personnel to contact should the Purchaser require spare parts or technical assistance with regards to the Equipment's. This should provide the location of such personnel and how readily are they available. 2 Marks	6 Marks

NB: Failure to score at least 70 points, the bidder shall be deemed nonresponsive, therefore will not be evaluated further.

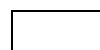
NB: All documents provided are to be in or transcribed into English.

NB: All Bidders will be subjected to security vetting before the opening of their Financial Proposals.

1.4 Financial Criteria Evaluation

- (i) The Purchaser will check for arithmetic errors and correct financial offers accordingly.

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



- (ii) Only Bidders that fall within the range of – 5% to +5% of the budgeted cost will be considered for price comparison.
- (iii) The lowest priced Bidder determined in Namibian Dollars shall not automatically be considered for award.
- (iv) Bidders that qualify for price comparison shall have their bid prices ranked in accordance with the highest scores for margin of preference and a recommendation will be made for award.

2. Post-qualification Evaluation (ITB 38.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 38.1, the Purchaser shall carry out the post-qualification of the Bidder in accordance with ITB Clause 38, using only the requirements specified. Under this section, the bidder is required to meet all the criteria specified below. A Bidder who does not meet any of the criteria listed below will be regarded as non-responsive and excluded from being considered for award.

(i) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

- The Bidder shall demonstrate that it has access to, or has available cash, liquid assets, unencumbered real assets and other unconditional financial means (independent of any contractual advance payment) sufficient to meet the project financial requirement equivalent to **50% of the Bidder's bid price** for the subject contract(s), net of the Bidder's other commitments. This shall be demonstrated from the bidder's unconditional letter of liquidity or cash availability (template presented in **Form F** shall be used).
- The signed and audited financial statements acceptable to the Purchaser for the last 3 years shall be submitted and must



demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability making use of the following:

- (a) Gross Profit Margin (20%-50%) & Net Profit Margin (5%-20%)- Efficiency in turning sales into profit.
- (b) Return on Assets (ROA) (5%-15%) & Return on Equity (ROE) (15%-25%)- Efficiency in utilizing capital and assets.

3. Multiple Contracts (ITB 36.6)

N/A

4. Margin of Preference (ITB 35.1)

The Margin of Preference shall apply in line with the Code Of Good Practice as specified in the Annex 8 herein.

Formula to calculate margins of preference:

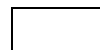
$$A = MP \times BP$$

100

in which formula -

- (a) "A" represents the amount to be determined;
- (b) "MP" represents the total percentage of all margins of preferences granted in respect of the bid; and
- (c) "BP" represents the bid price.

(5) Annexure 8 to this Code of Good Practice illustrates how the margins of preference must be applied to the different natures of procurements.



Section IV. Bidding Forms**Table of Forms**

FORM A - Bidder Information Form	66
FORM B - Bid Submission Form	68
FORM C – Labour Act Declaration Form	51
FORM D - Bid Securing Declaration	53
FORM E - Manufacturer's Authorization.....	54
FORM F - Letter of Credit Facility	55
FORM G – Manufacturer's (Factory) Reference Form	79
FORM H - Current/Existing projects reference form	58
FORM I - Price Schedule: Goods Manufactured outside Namibia to be imported	84



FORM A - Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

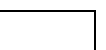
Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement No.: *[insert reference number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>
3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



6. Bidder's Authorized Representative

Name:[insert Authorized Representative's name]

Address:[insert Authorized Representative's Address]

Telephone/Fax numbers:[insert Authorized Representative's telephone/fax numbers]

Email Address:[insert Authorized Representative's email address]

7. Attached are copies of original documents of: *[check the box(es) of the attached original documents]*

- ☐ Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 5.1 and 5.2.
- ☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB Sub-Clause 5.1.
- ☐ In case of government owned entity from Namibia, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 5.5.



FORM B - Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement Ref. No.: *[insert reference number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

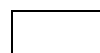
- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: _____ *[insert the number and issuing date of each Addendum];*
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services _____ *[insert a brief description of the Goods and Related Services];*
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: _____ *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies];*
- (d) The discounts offered and the methodology for their application are:

Discounts. If our bid is accepted, the following discounts shall apply. _____ *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

Methodology of Application of the Discounts. The discounts shall be applied using the following method: _____ *[Specify in detail the method that shall be used to apply the discounts];*

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 21.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 25.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we undertake to obtain a Performance Security in accordance with ITB Clause 44 and GCC Clause 18 for the due performance of the Contract;
- (g) We, including any subcontractors or suppliers for any part of the contract, have nationality from eligible countries _____ *[insert the nationality of the Bidder,*

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



including that of all parties that comprise the Bidder, if the Bidder is a JV, and the nationality each subcontractor and supplier]

- (h) We have no conflict of interest in accordance with ITB Sub-Clause 5.2;
- (i) Our firm, its affiliates or subsidiaries—including any subcontractor or supplier for any part of the contract—have not been declared ineligible by an international financing agency such as the World Bank, African Development Bank or any other international agency or under the Laws of Namibia or official regulations in accordance with ITB Sub-Clause 5.3;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid/ is payable and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate "none.")

- (k) We hereby confirm that we have read and understood the content of the Bid Securing Declaration attached herewith and subscribe fully to the terms and conditions contained therein, if required. We understand that non-compliance to the conditions mentioned may lead to disqualification.
- (l) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (m) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: _____ *[insert signature of person whose name and capacity are shown]*

In the capacity of _____ *[insert legal capacity of person signing the Bid Submission Form]*

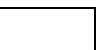
Name: _____ *[insert complete name of person signing the Bid Submission Form]*



Duly authorized to sign the bid for and on behalf of: _____ *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



FORM C – Labour Act Declaration Form**Republic Of Namibia****Ministry of Labour, Industrial Relations and Employment Creation**

Written undertaking in terms of section 138 of the Labour Act, 2007 and section 50(2)(D) of the Public Procurement Act, 2015

1. EMPLOYERS DETAILS

Company Trade Name:.....

Registration Number :.....

Vat Number:

Industry/Sector:

Place of Business:.....

Physical Address:.....

Tell No.:.....

Fax No.:.....

Email Address:.....

Postal Address:.....

Full name of Owner/Accounting Officer:.....

.....

Email Address:.....

2. PROCUREMENT DETAILS

Procurement Reference No.:.....

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Procurement Description:

.....

.....

Anticipated Contract Duration:

Location where work will be done, good/services will be delivered:

.....

3. UNDERTAKING

I[insert full name], owner/representative

of[insert full name of company]

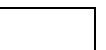
hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

Signature:

Date:

Seal:.....



Appendix to Bid Submission Form**FORM D - Bid Securing Declaration**

**(Section 45 of Act)
(Regulation 37(1)(b) and
37(5))**

Date:[Day | month | year].....

Procurement Ref No.:

To:[insert complete name of Public Entity and address].....

I/We* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We* accept that under section 45 of the Act, I/we* may be suspended or disqualified in the event of

- (a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;**
- (b) refusal by a bidder to accept a correction of an error appearing on the face of a bid;**
- (c) failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We* be successful bidder; or**
- (d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.**

I/We* understand this bid securing declaration ceases to be valid if I am/We are* not the successful Bidder

Signed:

.....

[insert signature of person whose name and capacity are shown]

Capacity of:

[indicate legal capacity of person(s) signing the Bid Securing Declaration]

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Name:

.....

[insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of:

.....

[insert complete name of Bidder]

Dated on _____ day of _____, _____

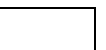
[insert date of signing]

Corporate Seal (where appropriate)

[Note*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

****delete if not applicable / appropriate***

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



FORM E - Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement Ref. No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We*[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at:..... *[insert full address of Manufacturer's factories]*, do hereby authorize:..... *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us.....*[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.



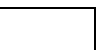
Signed:..... [insert
signature(s) of authorized representative(s) of the Manufacturer]

Name:[insert
complete name(s) of authorized representative(s) of the Manufacturer]

Title:[insert title]

Dated on _____ day of _____, _____ [insert date of signing]

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



FORM F - Letter of Credit Facility**Bank Letterhead**

Date

The Executive Director
Namibia Civil Aviation Authority Head Office
No.4 Rudolph Hertzog street
Windhoek
Namibia

LETTER OF CREDIT FACILITY

[The bank, as requested by the Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*

Procurement Reference No. and Title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Purchaser]*

RE: *[Name of Bid]*

We wish to advise that a company by the name of *[insert Bidder's name]* with registration no *[insert enter bidder's registration number]* has been a client of *[insert Bank name and Branch name]* since *[insert date of account inception]*.

[Insert Bank Name] wish to confirm that we have done a preliminary credit evaluation on the company *[Bidder's name]* and as at date hereof and subject to the below terms and conditions, the bidder qualifies for an unconditional overdraft / credit facility of N\$*[insert enter maximum amount for the credit facility that the bidder qualifies for]* for the purpose of the bid mentioned above, if awarded the bid. Terms and conditions applicable to this approval:

1. This certificate is valid for a period of 30 (thirty) days from the date of issue.
2. This approval is subject to the terms and conditions contained in *[Insert Bank Name]* loan application form and *[Insert Bank Name]* lending criteria.
3. *[Insert Bank Name]* reserves the right, at its sole discretion, to request relevant security.
4. The credit history of the bidder is a pre-requisite for credit extension and its *[Insert Bank Name]* must remain materially unchanged.
5. *[Insert Bank Name]* reserves the right to withdraw from the facility at any time prior to disbursement, in the sole discretion of *[Insert Bank Name]*, if any information becomes known to *[Insert Bank Name]* or there is a change in circumstances which may prejudice the rights or security of *[Insert Bank Name]* or materially alter the risk factor relating to the facility.
6. This letter is issued without any recourse to or obligation on the Bank or its employees. The Bank accepts no liability whatsoever for any loss, whether direct, indirect, or consequential should our Client fail to fulfil any obligations.



You are cordially invited to contact us at the following should you wish to make any further enquiries on the above.

Yours faithfully

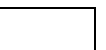
[Signature]

[Name and Surname]

[Title/ Position]

.....**Bank's** **seal** **and** **authorized**
signature(s).....

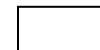
Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



FORM G – Manufacturer's (Factory) Reference Form**(Please provide information for all the similar equipments manufactured in the last 5 years)**Name of Bidder:*[insert complete name of bidder]*

Year	Contract identification no:	Original Contractual completion date	Manufacturing Date (actual completion date)	Contract Value	Customer Contact Details (Tell and email address)	Factory Name	Equipment Descriptions (voltages and MVA rating)

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



NB: Please note the Purchaser reserves the right to contact the Customers referenced.

All projects related to NCAA should be indicated

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:

FORM H - Current/Existing projects reference form**(Provide information for all the current projects that have not yet been completed)**Name of Bidder: *[insert complete name of bidder]*

Date of Contract Award (mm/yyyy)	Contract identification no:	Description of Scope of work/ Scope of supply	Customer Name	Contract value	Original Contractual Completion Date	Expected completion date (mm/yyyy)

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



NB: If a bidder has many existing projects that are delayed or behind schedule, such a bidder will be disqualified. Likewise, if a bidder fails to declare the existing projects or provides false information regarding the status of the existing contracts. NCAA, will automatically terminate the contract, if found that false information was provided during the bidding stage. In addition, all projects related to NCAA if any should be indicated in the list as well.

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:

Price Schedule Forms

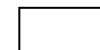
The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.



FORM I - Price Schedule: Goods Manufactured outside Namibia to be imported

Bidder's name and address:		Prices to be in Namibia dollars			Date: _____ Procurement Ref. No: _____		
1	2	3	4	5	6	7	8
Line Item No.	Description of Goods and related services	Delivery Period [Weeks] - Bidder to provide	Qty	Unit Price [EUR/USD]	Base Rate	Unit Price [N\$]	Total [N\$]
1	Safely decommission and removal of the current VOR/DME systems. Hosea Kutako International Airport & Keetmanshoop Airport.	12	2				

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



2	Supply, Delivery, Install, and Commissioning of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards. Hosea Kutako international Airport	24	1				
3	Supply, Delivery, Install, and Commissioning of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards. Keetmanshoop Airport	24	1				

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



4	One year service level agreement for the VOR/DME systems with all required basic spare (costed for the base year) to ensure full operational capability and compliance with international aviation standards. Hosea Kutako international Airport Keetmanshoop Airport	53	1				
5	Customs duties are applicable.		1				
6	For service components, withholding tax shall apply.		1				
7	Import VAT (to be indicated for Namibian registered bidders)	N/A	1				
Total Duration [months]				Totals (incl. All Taxes & Duties, excl. VAT)			

Name of Bidder *[insert complete name of Bidder]*Signature of Bidder *[signature of person signing the Bid]*

Date

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



PART 2 – Supply Requirements

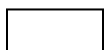
Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



Section V. Schedule of Requirements

Contents

1. List of Goods and Delivery Schedule	89
2. List of Related Services and Completion Schedule	91
3. Technical Specifications	94
4. Drawings	Error! Bookmark not defined.
5. Inspections and Tests.....	95



1. List of Goods and Delivery Schedule

Line Item No.	Description of Goods	Quan tity	Unit of Measure	Final Destination (Project Site) as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date
1	Supply, delivery and offloading of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Units	Hosea Kutako International Airport	N/A	6 months	

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:

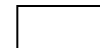


2	Supply, delivery and offloading of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Units	Keetmanshoop Airport	N/A	6 months	

The units shall be delivered to the following site (Coordinates in WGS84 datum – Approximate Locations):

- **Hosea Kutako International Airport**
- **Keetmanshoop Airport**

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



2. List of Related Services and Completion Schedule

Service	Description of Service	Quantity¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
1	Safely decommission and removal of the current VOR/DME systems.	2	Units	Hosea Kutako International Airport & Keetmanshoop Airport.	On arrival (3 months after order issue)
2	Factory Acceptance Test	2	Units	OEM Facility	3 months from order issue

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



3	Assembling, Testing and Commissioning of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Units	Hosea Kutako International Airport	6 months from order issue
4	Assembling, Testing and Commissioning of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Units	Keetmanshoop Airport.	6 months from order issue

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



5	One year service level agreement for the VOR/DME systems with all required basic spare (costed for the base year) to ensure full operational capability and compliance with international aviation standards.	1	Units	Hosea Kutako international Airport Keetmanshoop Airport	12 Months from completion of installation.
---	---	---	-------	--	--

1. If applicable

Name of Bidder *[insert complete name of Bidder]*

Signature of Bidder *[signature of person signing the Bid]*

Date *[Insert Date]*

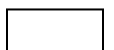
Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



3. Terms of Reference

SEE ATTACHED.

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



5. Inspections and Tests

The following inspections and tests shall be performed:

The list of tests to be performed on each equipment is:

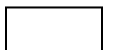
- Pre-Test Preparation & Documentation Review (Verification of manufacturing tags, nameplates, software configuration and hardware design)
- Visual & Mechanical Inspection
- Functional Testing (Power Supplies & Transmitters, Monitoring Systems & Field Detectors)
- RF Performance Testing (Bearing Error Testing & Course Deviation Indicators).
- As required in the Terms of Reference.

As part of Quality Assurance and before takeover, NCAA shall perform general functionality inspections to ensure the proposed equipment's meet the functionals needs of the NCAA before the equipment's are taken over.



PART 3 - Contract

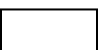
Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



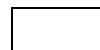
Section VI. General Conditions of Contract**Table of Clauses**

1. Definitions.....	100
2. Contract Documents.....	101
3. Fraud and Corruption.....	101
4. Interpretation	104
5. Language.....	105
6. Joint Venture, Consortium or Association	106
7. Eligibility	106
8. Notices	106
9. Governing Law	107
10. Settlement of Disputes	107
11. Inspections and Audit.....	108
12. Scope of Supply	108
13. Delivery and Documents	108
14. Supplier's Responsibilities	108
15. Contract Price.....	108

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



16. Terms of Payment.....	109
17. Taxes and Duties	109
18. Performance Security	110
19. Copyright.....	111
20. Confidential Information.....	111
21. Subcontracting.....	112
22. Specifications and Standards	113
23. Packing and Documents.....	114
24. Insurance	114
25. Transportation.....	114
26. Inspections and Tests.....	115
27. Liquidated Damages	116
28. Warranty	117
29. Patent Indemnity	118
30. Limitation of Liability.....	120
31. Change in Laws and Regulations	121
32. Force Majeure	121
33. Change Orders and Contract Amendments.....	122



34. Extensions of Time123

35. Termination124

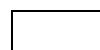
36. Assignment126

37. Export Restriction126



Section VI. General Conditions of Contract

1. Definitions	1.1 The following words and expressions shall have the meanings hereby assigned to them: (a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein. (b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto. (c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract. (d) "Day" means calendar day. (e) "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract. (f) "GCC" means the General Conditions of Contract. (g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
-----------------------	--



	(h) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC. (i) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract. (j) "SCC" means the Special Conditions of Contract. (k) "Subcontractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier. (l) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement. (m) "The Project Site," where applicable, means the place named in the SCC.
2. Contract Documents	2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.
3. Fraud and	3.1 If the Purchaser determines that the Supplier and/or any of its personnel, or its agents, or its Subcontractors,

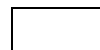


Corruption	consultants, service providers, suppliers and/or their employees has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days' notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 35 shall apply as if such expulsion had been made under Sub-Clause 35.1. (a) For the purposes of this Sub-Clause: (i) "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party⁶; (ii) "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation⁷; (iii) "collusive practice" is an arrangement between two or more parties⁸ designed to achieve an improper purpose, including to influence improperly the actions of another party;
--------------------------	--

⁶ "Another party" refers to a public official acting in relation to the procurement process or contract execution. In this context, "public official" includes Public Entity's staff and employees of other organizations taking or reviewing procurement decisions.

⁷ "Party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

⁸ "Parties" refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

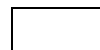


	(iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party⁹; (v) "obstructive practice" is (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Public Entity's investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (bb) acts intended to materially impede the exercise of the Public Entity's inspection and audit rights provided for under Clause 11 [Inspections and Audits by the Public Entity]. 3.2 Should any employee of the Supplier be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the purchase of the Goods, then that employee shall be removed.
--	---

⁹ "Party" refers to a participant in the procurement process or contract execution.



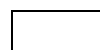
4. Interpretation	4.1 If the context so requires it, singular means plural and vice versa. 4.2 Incoterms (a) Unless inconsistent with any provision of the Contract the meaning of any trade term and the rights and obligations of parties hereunder shall be as prescribed by Incoterms. (b) The terms EXW, CIP, FCA, CFR and other similar terms, when used, shall be governed by the rules prescribed in the edition of Incoterms specified in the SCC and published by the International Chamber of Commerce in Paris, France. 4.3 Entire Agreement The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract. 4.4 Amendment No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto. 4.5 Non-waiver (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and
--------------------------	--



	conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract. (b) Any waiver of a party's rights, powers, or remedies under the Contract must (c) be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived. 4.6 Severability If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.
5. Language	5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be in English. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern. 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such



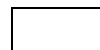
	translation, for documents provided by the Supplier.
6. Joint Venture, Consortium or Association	6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
7. Eligibility	7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country. 7.2 All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown or manufactured, 7.3 mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
8. Notices	8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC . The term "in writing" means communicated in written form with proof of receipt.



	8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
9. Governing Law	9.1 The Contract shall be governed by and interpreted in accordance with the laws of Namibia.
10. Settlement of Disputes	10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. 10.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the SCC. 10.3 Notwithstanding any reference to arbitration herein, (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and (b) the Purchaser shall pay the Supplier any money due the Supplier.



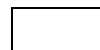
11. Inspections and Audit	11.1 The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the Public Entity and/or persons appointed by the Public Entity to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Public Entity if requested by the Public Entity. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 3 [Fraud and Corruption], which provides, inter alia, that acts intended to materially impede the exercise of the Public Entity's inspection and audit rights provided for under this Sub-Clause 11.1 constitute a prohibited practice subject to contract termination.
12. Scope of Supply	12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
13. Delivery and Documents	13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the SCC .
14. Supplier's Responsibilities	14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
15. Contract Price	15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its



	bid, with the exception of any price adjustments authorized in the SCC.
16. Terms of Payment	16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the SCC. 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract. 16.3 Payments shall be made promptly by the Purchaser, but in no case later than thirty (30) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it. 16.4 Bidders will be paid in fixed Namibia dollars or Namibia dollars adjusted to the fluctuation in the rate exchange at the time of delivery, as specified in the SCC. 16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the SCC, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the SCC, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.
17. Taxes and	17.1 For goods manufactured outside Namibia, the Supplier shall be entirely responsible for all taxes, stamp duties,



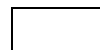
Duties	license fees, and other such levies imposed outside Namibia. 17.2 For goods Manufactured within Namibia, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser. 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Namibia, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
18. Performance Security	18.1 If required as specified in the SCC, the Supplier shall, within thirty (30) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the SCC. 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract. 18.3 The Performance Security, if required, shall be denominated in Namibia dollars, and shall be in the form of a bank guarantee issued by a local commercial bank, or in the case of the bank guarantee being issued by a foreign bank, the bidder must provide a public entity with a counter-guarantee from a commercial bank from Namibia. 18.4 The Performance Security shall be discharged by the



	Purchaser and returned to the Supplier not later than thirty (30) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC.
19. Copyright	19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party
20. Confidential Information	20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20. 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the



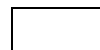
	Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract. 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that: (a) the Purchaser or Supplier need to share with institutions participating in the financing of the Contract; (b) now or hereafter enters the public domain through no fault of that party; (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality. 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof. 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.
21. Subcontracting	21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its



	obligations, duties, responsibilities, or liability under the Contract. 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.
22. Specifications and Standards	22.1 Technical Specifications and Drawings (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section V, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin. (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided (c) or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser. (d) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in



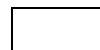
	accordance with GCC Clause 33.
23. Packing and Documents	23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit. 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Purchaser.
24. Insurance	24.1 Unless otherwise specified in the SCC, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the SCC.
25. Transportation	25.1 Unless otherwise specified in the SCC, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.



26. Inspections and Tests	26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Goods/Services as are specified in the SCC. 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Namibia as specified in the SCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser. 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses. 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection. 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical
---	--



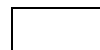
	specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing a d/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected. 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection. 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4. 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.
27. Liquidated Damages	27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the date(s) of delivery or perform the Related Services within the period



	specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.
28. Warranty	28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. 28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Namibia. 28.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier. 28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available



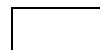
	evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects. 28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser. 28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
29. Patent Indemnity	29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is



	located; and (b) the sale in any country of the products produced by the Goods. Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract. 29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. 29.3 If the Supplier fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf. 29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing. 29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors
--	--



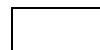
	from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise xisting at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.
30. Limitation of Liability	30.1 Except in cases of criminal negligence or willful misconduct, (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with



	respect to patent infringement
31. Change in Laws and Regulations	31.1 Unless otherwise specified in the Contract, if after the date of 30 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Namibia (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.
32. Force Majeure	32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine



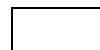
	restrictions, and freight embargoes. 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
33. Change Orders and Contract Amendments	33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following: (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser; (b) the method of shipment or packing; (c) the place of delivery; and (d) the Related Services to be provided by the Supplier. 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change



	order. 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services. 33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
34. Extensions of Time	34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract. 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC



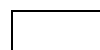
	Sub-Clause 34.1.
35. Termination	35.1 Termination for Default (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part: (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34; (ii) if the Supplier fails to perform any other obligation under the Contract; or (iii) if the Supplier, in the judgement of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract. (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1 (a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.



	35.2 Termination for Insolvency. (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser 35.3 Termination for Convenience. (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective. (b) The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect: (i) to have any portion completed and delivered at the Contract terms and prices; and/or (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and
--	---



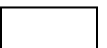
	for materials and parts previously procured by the Supplier.
36. Assignment	36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.
37. Export Restriction	37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to Namibia, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 35.3.



Section VII. Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 1.1(h)	The Purchaser is: Namibia Civil Aviation Authority (NCAA).
-------------------	--

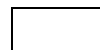


GCC 1.1 (m) The Project Site(s)/Final Destination(s) is/are: **Hosea Kutako**

International Airport & Keetmasnhoop International Airport

Item No.	Goods Description or related service	Qty	Final Destination (Site)
1	Safely decommission and removal of the current VOR/DME systems.	2	Hosea Kutako International Airport & Keetmanshoop Airport.
2	Supply, Delivery, Install, and Commissioning of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Hosea Kutako international Airport
3	Supply, Delivery, Install, and Commissioning of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Keetmanshoop A irport
4	One year service level agreement for the VOR/DME systems with all required basic spare (costed for the base year) to ensure full operational capability and compliance	1	Hosea Kutako International Airport & Keetmanshoop Airport.

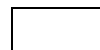
Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties hereunder shall not be as prescribed by Incoterms, they shall be as prescribed by: Same as prescribed by Incoterms
GCC 4.2 (b)	The version edition of Incoterms shall be latest Incoterms.
GCC 8.1	For <u>notices</u>, the Purchaser's address shall be: Attention: Martty Hasheela Namibia Civil Aviation Authority Head Office, No.4 Rudolph Hertzog Street +264 83 235 2166/7/2201 pmu@ncaa.na Windhoek Namibia
GCC 10.2	The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows: 10.2.1 If any dispute arises relating to this Agreement or any claims for damages or otherwise are made as the result of breach of any obligation hereunder, the Parties' representatives shall meet and use their reasonable efforts to resolve such dispute through good faith negotiation. 10.2.2 Should the Parties, representatives fail to resolve such dispute in accordance with Clause 10.2.1 above within seven (7) days of their meeting or such longer period as



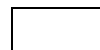
	the Parties may agree, the matter shall be elevated to Executive Director level for resolution. 10.2.3 Should the Executives of the Parties fail to resolve such dispute in accordance with Clause 10.2.2 within fourteen (14) days of their meeting or such longer period as the Parties may agree, any Party may refer such dispute or difference to arbitration to be undertaken by a single arbitrator agreed to by the Parties. Should the Parties fail to agree to an arbitrator within fourteen days of the referral of the dispute to arbitration, the President of The Arbitration Foundation of Southern Africa shall appoint the arbitrator from a list of AFSA –approved arbitrators having the requisite experience and expertise in the field of the dispute. 10.2.4 Except where otherwise specifically provided for, any dispute at any time between the Parties or any failure by them to reach agreement in regard to any matter arising out of or in connection with this Agreement or its interpretation or effect, or arising in any way out of the termination or failure of any of them, shall be submitted to arbitration pursuant to the Rules of the Arbitration Foundation of Southern Africa. 10.2.5. The decision of the arbitrator shall be given in writing as soon as reasonably possible but within one month of the dispute being referred to the arbitrator. The decision shall be final and binding upon the Parties and shall not be subject to appeal to any court or tribunal of any kind unless manifestly illegal or unjust , provided however that any Party may take action in any court of competent jurisdiction to enforce the arbitrator's decision, including its
--	--



	award in respect of the costs of arbitration. 10.2.6. Each Party shall bear its own costs and the costs of arbitration shall be borne equally by the Parties, unless the arbitrator decides otherwise. 10.2.7. Arbitration shall be held in Windhoek, Namibia and shall be conducted in the English language. 10.2.8. The Parties may be legally represented and may present evidence by independent experts or as otherwise permitted by the arbitrator. 10.2.9. The aforesaid Notwithstanding the aforesaid, any Party shall be entitled to approach any competent court having jurisdiction for urgent relief on an interim basis, pending the finalization of the resolution of the dispute in terms of this Clause 10.2. 10.2.10. While a dispute is continuing, the Parties are required to continue to perform their respective obligations under this Agreement until such dispute has been fully and finally resolved. 10.2.11. Where a dispute has been referred for resolution by arbitration in accordance with the Rules of the Arbitration Foundation of Southern Africa, neither of the Parties shall be entitled to exercise any rights or election arising in consequence of any alleged default by the other arising out of the subject matter of the dispute until the dispute has been resolved by the decision of the arbitrator. 10.2.12. All proceedings held by the Parties for the purpose of resolving disputes shall be held in private and except as permitted or required by any other provision of this
--	---



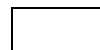
	Agreement, shall not be open to third parties unless the Parties agree that the Customer's contractors or engineer shall partake in such proceedings, it being agreed that for the purposes of this Agreement the record and outcome of any proceedings shall also constitute confidential information of each Party hereto and safeguarded in accordance with the provisions of Clause 20.
GCC 13.1	Details of Shipping and other Documents to be furnished by Suppliers are: (a) For imported Goods on basis of delivery to project site (DDP): Upon or before delivery of the Goods, the Supplier shall notify the Purchaser in writing and deliver the following documents to the Purchaser: (i) one original and two copies of the Supplier's invoice, showing Purchaser, the Contract number, Goods' description, quantity, unit price, and total amount. Invoices must be signed in original and stamped or sealed with the company stamp/seal; (ii) two copies of the packing list identifying contents of each package; (iii) one original of the manufacturers and Supplier's Warranty certificate covering all items supplied (if different); (iv) one original of the Supplier's Certificate of Origin covering all items supplied; (v) original copy of the Factory Acceptance Test report



	(vi) Final as-built drawings (vii) other procurement-specific documents required for delivery/payment purposes.
GCC 15.1	The Contract is not subject to price adjustment.
GCC 16.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: (a) Payment for Goods and Services supplied (goods to be imported) on the basis of DDP: Payment for Goods and Services supplied shall be made in Namibia dollars, as follows: (i) On Acceptance: The Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of an invoice (showing Purchaser's name; the Procurement Reference number, description of payment and total amount, signed in original, stamped or sealed with the company stamp/seal) supported by the Acceptance Certificate issued by the Purchaser. (b) In addition to (a) above, payments will be made thirty days (30) after correct invoice based on the following milestones: i) Manufacturing & Assembly Stage – Amount as per Price Schedule. ii) FAT Completed – 30% of the Manufacturing & Testing Cost.



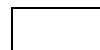
	iii) Delivery & Offloaded - 70% of the Manufacturing & Testing Cost + Transportation, import clearance and insurance as per Price Schedule. iv) Take-over – Delivery and Offloading + Installation, Testing & Commissioning cost as per the Price Schedule
GCC 16.4	Suppliers shall be paid in Namibia dollars only. The prices shall not be adjustable to fluctuation in the rate of exchange.
GCC 16.5	Interest shall be payable immediately after the due date for payment. The interest rate shall be the prevailing prime rate as prescribed by Bank of Namibia.
GCC 18.1	A Performance Security shall be required and the amount of the Performance Security shall be: 10% of the Contract Amount.
GCC 18.4	Discharge of the Performance Security shall take place: <i>Upon issuance of the acceptance certificate.</i>
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: Supply, Delivery, Installation and Commissioning of the New Very High Frequency (VHF) Omnidirectional Range (VOR)& Distance Measuring Equipment (DME) at Keetmanshoop Airport & Hosea Kutako International Airport.



GCC 24.1	The insurance coverage shall be as specified in the Incoterms. In addition to the specified incoterms, the risk of loss and damage to the Equipment's, shall pass to the Purchaser at takeover or switching on at various sites. The Supplier in its submission, is required to show proof of insurance cover and submit a letter of intent from a reputable insurance company on its letterhead, stipulating that it will cover the full value of the equipment's till delivery and commissioning of the equipment's to site. The insurance shall also cover public liability insurance which shall be applicable while equipment's are in transit up until commissioning. Public Liability Insurance of up to 5 million Namibia dollars shall be included.
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms. In addition to the specified Incoterms, responsibility for transportations shall be as follows: The Supplier is required under the Contract to transport the Goods to a specified place of final destination within Namibia, defined as the Project Site. Transport to such place of destination in Namibia, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price"; or any other agreed upon trade terms (specify the respective responsibilities of the Purchaser and the Supplier), until the equipment's have been taken over by NCAA.



GCC 26.1	The inspections and tests shall be as following: Pre-Test Preparation & Documentation Review (Verification of manufacturing tags, nameplates, software configuration and hardware design). Visual & Mechanical Inspection. Functional Testing (Power Supplies & Transmitters, Monitoring S RF Performance Testing (Bearing Error Testing & Course Deviation Indicators). As per the Terms of References.
GCC 26.2	The Inspections and tests shall be conducted at the factory (Factory Acceptance Tests), as well as on Site during Testing and Commissioning. The Purchaser shall reserve the right to select any of the equipment's at random for tests at an independent qualified lab, which shall be outside of the country of the OEM. In addition, such a lab should be certified and compliant to all standards. If the equipment passes the test, the Purchaser shall be obliged to pay for the tests. However, if it fails, then the Supplier shall be liable for the tests.



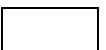
GCC 26.7 (modify clause in its entirety)	The Purchaser may reject any Goods or call upon the Performance Security for any part thereof that fail to pass any test and/or inspection or does not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications or guaranteed values at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
GCC 27.1	The liquidated damages shall be 3.33% of the contract price per week
GCC 27.1	The maximum amount of liquidated damages shall be 10 % of the contract price.
GCC 28.3	The period of validity of the Warranty shall be: 24 months from date of completion of commissioning for any equipment. However, if there is corrective work performed on the equipment, the warranty period shall be extended for a minimum of an additional twelve (12) months, for any part of the works which is subject to the corrective works. For purposes of the Warranty, the place(s) of final destination(s) shall be as indicated in clause GCC 1.1 (m).
GCC 28.5	The period for repair or replacement shall be: a maximum of 6 months (excluding transport) or as otherwise agreed between the parties, depending of the magnitude of repair.



Section VIII. Contract Forms**Table of Forms**

Contract Agreement	139
Performance Security (Bank Guarantee)	143
Invitation for Bids (IFB)	145

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Contract Agreement

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the *[insert: **number**]* day of *[insert: **month**]*, *[insert: **year**]*.

BETWEEN

(1) **NAMIBIA CIVIL AVIATION AUTHORITY (PROPRIETARY) LIMITED**, , a limited liability company (Registration Number: _____) incorporated under the laws of Republic of Namibia and having its principal place of business at NCAA Head Office, No.4 Rudolph Hertzog street, Windhoek, Namibia (hereinafter referred to as the "**NCAA**") and herein represented by TOSKA SEM in her capacity as Executive Director.

(2) *[insert name of Supplier]*, a company (Registration Number:*[insert Supplier registration number]*) incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at *[insert: address of Supplier]* (hereinafter called "the Supplier").

Whereas NCAA desires that certain Works should be performed by the Supplier, namely:

Supply, Delivery, Installation and Commissioning of the New Very High Frequency (VHF) Omnidirectional Range (VOR)& Distance Measuring Equipment (DME) at Keetmanshoop Airport & Hosea Kutako International Airport.

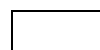


Item No.	Goods Description or related service	Qty	Final Destination (Site)
1	Safely decommission and removal of the current VOR/DME systems.	2	Hosea Kutako International Airport & Keetmanshoop Airport.
2	Supply, Delivery, Install, and Commissioning of new terminal and enroute VOR/DME systems at with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Hosea Kutako international Airport
3	Supply, Delivery, Install, and Commissioning of new enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.	1	Keetmanshoop Airport
4	Hosea Kutako International Airport & Keetmanshoop Airport.	1	Hosea Kutako International Airport & Keetmanshoop Airport.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The Supplier has examined the documents listed in the Appendix which forms part of of this Agreement and offers to Supply, Deliver and Offload in conformity with the Contract for the sum of [insert Contract Price in words and figures, expressed in the Namibia Dollars] (hereinafter called "the Contract Price").

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



3. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract, in the order of priority as indicated :

- (a) This Contract Agreement
- (b) Minutes of Meetings
- (c) The Purchaser's Notification of Award/ Letter of Acceptance
- (d) Approved Drawings
- (e) Addenda and Bid Clarifications
- (f) Special Conditions of Contract
- (g) General Conditions of Contract
- (h) Technical Requirements (including Schedule of Requirements and Terms of Reference)
- (i) The Supplier's Bid and original Price Schedules

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.



IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of Namibia on the day, month and year indicated above.

THUS DONE AND SIGNED for and on behalf of the Purchaser at Windhoek on the day of _____ 202x in the presence of the undersigned witnesses:

For and on behalf of the Purchaser

Signed: *[insert signature]*

in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*

in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert identification of official witness]*



APPENDIX TO CONTRACT**Performance Security (Bank Guarantee)**

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*

Procurement Reference No. and title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of goods and related services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

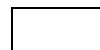
At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)¹⁰ in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

¹⁰ *The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, in the currency of the Contract.*



This Guarantee shall expire no later than the [insert number] day of [insert month] [insert year],¹¹ and any demand for payment under it must be received by us at this office on or before that date.....**Bank's seal and authorized signature(s)**

¹¹ *Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."*



Annexure 8**NATIONAL PREFERENCE**

PROCUREMENT	MARGIN OF PREFERENCE
GOODS	
Namibian Shareholding	3%
Any part of Goods (Manufactured, grown, mined, extracted) in Namibia	4%
Namibian Employees	3%
Total	10%
CONSULTANCY SERVICES	
Namibian Shareholding	3%
Service rendered by Namibian team leader	4%
Service rendered by Namibian employees	3%
Total	10%
NON-CONSULTANCY SERVICES	
Namibian Shareholding	3%
Service rendered by Namibian (key employees)	2%
Service rendered by Namibian employees	3%
Materials	2%
Total	10%
CONSULTANCY SERVICES (INDIVIDUAL)	
Namibian	5%
WORKS	

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



Namibian Shareholder	3%
Materials 50-60%	2%
Services rendered by Namibian key personnel including of Management	2%
Services rendered by Namibian Semi-skilled employees	3%
Total	10%

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



ANNEXURE 9: TOR

**TERMS OF REFERENCE (TOR) FOR THE SUPPLY,
DELIVERY, INSTALLATION AND COMMISSIONING OF
THE NEW VERY HIGH FREQUENCY (VHF)
OMNIDIRECTIONAL RANGE(VOR)/ DISTANCE
MEASURING EQUIPMENT (DME) AT KEETMANSHOOP
& HOSEA KUTAKO INTERNATIONAL AIRPORT**

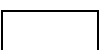


1. Background

The Namibia Civil Aviation Authority (NCAA) was established under the **Civil Aviation Act of 2016**, which provides its legal framework and mandates it as Namibia's primary authority responsible for civil aviation oversight. In alignment with this mandate, the NCAA ensures the safety, security, efficiency, and sustainability of civil aviation within Namibia. The NCAA is also a signatory to the **Convention on International Civil Aviation (Chicago Convention)**, obligating it to adhere to global standards and ensure safe, efficient, and effective air traffic services within Namibian airspace. Specifically, Article 28 of the Chicago Convention requires member states to provide adequate facilities for air navigation services, including communications, meteorology, and surveillance systems, to ensure the safety and regularity of air traffic.

The **Namibian Civil Aviation Regulations (NAMCARs)**, promulgated under the Civil Aviation Act, provide detailed operational and technical requirements to which the NCAA and air traffic management services must comply. Furthermore, the NCAA operates in full alignment with the **International Civil Aviation Organization (ICAO) Standards and Recommended Practices (SARPs)**, ensuring that Namibia's aviation sector meets international benchmarks. According to ICAO, Air traffic services (ATS) surveillance systems are major elements of modern air navigation infrastructure required to safely manage increasing levels and complexity of air traffic. With ATS surveillance systems, aircraft positions are updated frequently, and the airspace can be used more efficiently by safely accommodating a higher density of aircraft through reduced separation minima.

Namibia's strategic goals, as outlined in **Vision 2030** and the **Harambee Prosperity Plan**, emphasize the development of infrastructure to support sustainable economic growth and enhance Namibia's global competitiveness. A modernized air traffic management and surveillance system is essential for fulfilling these national aspirations, supporting Namibia's strategic priorities, and fostering international connectivity and safety.



2. Purpose of the New VOR/DME at FYKT and FYWH

The Namibia Civil Aviation Authority (NCAA) aims to enhance the country's air navigation infrastructure, by replacing the old VOR/DME system at Keetmanshoop airport and Hosea Kutako International Airport. The VOR/DME as abovementioned have gone beyond operational lifespan and no longer meets reliability standards for either terminal or enroute navigation. This initiative forms part of NCAA's broader commitment to upgrading national air navigation systems in line with ICAO standards.

To ensure continued safe, reliable, and compliant operations, two (2) new fifty (50) Watt VOR/DME system with one (1) kilowatt will be procured, installed, tested, and commissioned. The project will include full decommissioning of the existing system and upgrading of associated infrastructure.

Below, are the expected benefits of implementing the new system:

- 2.1 Replace obsolete equipment with ICAO-compliant infrastructure
- 2.2 Enhance operational reliability and navigation accuracy
- 2.3 Strengthen airspace safety for terminal and enroute air navigation
- 2.4 Improve system monitoring, control, and automation.
- 2.5 Reduce the risk of service interruptions/ Improve availability
- 2.6 Enable efficient integration with modern and existing air traffic systems
- 2.7 Supply, install, and commission two (2) new terminal and enroute VOR/DME systems with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.
- 2.8 Implementation of Radio Navigation Aids form part of the ASBU Basic Building Blocks (BBB) framework as enablers in Communication, Navigation and Surveillance (CNS).

3. Strategic Context

3.1. Alignment with Strategic Objectives

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



This procurement aligns with the following national and organizational strategic objectives:

- a) Strengthening infrastructure to support Namibia's economic growth and integration into the global economy.
- b) Promoting economic advancement through efficient and reliable transport services, including aviation.
- c) Enhancing aviation safety, ensuring efficient air traffic services, and fostering compliance with ICAO SARPs.

3.2. Regulatory and Policy Framework

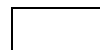
The Radio Navigation systems will be aligned with:

- 3.2.1 **Civil Aviation Act of 2016:** The legal foundation for the NCAA's authority and mandate.
- 3.2.2 **Namibian Civil Aviation Regulations (NAMCARs): Technical and operational standards for aviation safety and air navigation services.**
- 3.2.3 **ICAO Standards and Recommended Practices (SARPs): International benchmarks for aviation safety, efficiency, and interoperability.** The following are, but not limited to, the ICAO SARPs and guidance manuals:
 - a) Annex 10, Volume I – Radio Navigation Aids.
 - b) Annex 14, Volume I - Aerodrome Design and Operations
 - c) Doc 8071 – Manual on Testing of Radio Navigation Aids, Volume I
 - d) Doc 4444 – Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM)
- 3.2.4 **Chicago Convention (Article 28): Requirements to provide safe and efficient air navigation services.**
- 3.2.5 **National Development Plans: Supporting national aspirations for economic transformation and sustainable development.**
- 3.2.6 **Namibia Civil Aviation Authority ISBP:** Supporting the integrated strategic business plan of the NCAA.

4. Objectives of the Project

The replacement of the CVOR/DME seeks to achieve the following objectives:

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



- 4.1 Safely decommission and removal of the current VOR/DME systems at Hosea Kutako International Airport and Keetmanshoop airport.
- 4.2 Supply, Delivery, Install, and Commissioning of new terminal and enroute VOR/DME systems at **Hosea Kutako international Airport** with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.
- 4.3 Supply, Delivery, Install, and Commissioning of new enroute VOR/DME systems at **Keetmanshoop Airport** with all required supporting infrastructure, ensuring full operational capability and compliance with international aviation standards.

5. Scope of Work

The full delivery, installation and commissioning of the two (2) CVOR/DME systems at Hosea Kutako International Airport and Keetmanshoop Airport, decommissioning and removal of the existing systems to make way of the new systems.

5.1. General Requirements

5.1.1 The Project consists of CVOR/DME systems as following:

5.1.1.1 One (1) CVOR/DME system co-located shall be installed at Hosea Kutako International Airport.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.1.2 One (1) CVOR/DME system co-located shall be installed at Keetmanshoop Airport.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



- 5.1.2 CVOR/DME antenna and Counterpoise edge monitor antenna shall be installed by contractor/OEM that follow the installation manual. (OEM manufacturer manual).

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.3 Cable ladders shall be provided or installed by contractor

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4 CVOR/DME Systems shall be designed based on dual transmitters and dual monitors configuration which consists of the following:

- 5.1.4.1 Dual CVOR Equipment;

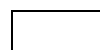
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4.2 Dual DME/N Equipment.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4.3 Antenna Systems for the above equipment;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



- 5.1.4.4 Local Control Unit (LCU) of CVOR and DME include its local computer at CVOR/DME station.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4.5 Remote Control and Status Unit (RCSU) for the above equipment specified in 5.1.4, which shall be equipped at Technical Control Rooms.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4.6 Remote Status Unit (RSU) for the above equipment specified in 5.4.4 which shall be equipped at ATC Tower.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.4.7 Remote Maintenance and Monitoring (RMM) Equipment (Computer) for the above equipment specified in 5.4.5 which shall be equipped at Technical Control Equipment Room below ATC Tower.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.1.5 The CVOR/DME systems shall have SNMP management capability.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

- 5.1.6 The system performance and its signal-in-space quality shall comply with the ICAO Annex 10 Vol. I.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.1.7 All RF Generators shall be synthesizers.

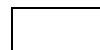
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.1.8 The equipment shall be the modular design, or an easy plug-in card or modules for quick replacement with the purpose for easy maintenance and repair.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.1.9 The dual independent transmitters shall be housed in the cabinet (s) and operated as main and standby facilities. Maintenance on one equipment shall be accomplished without disruption of the operation of the others.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	



5.1.10 The equipment shall be designed in common of modules and printed circuit boards.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.11 The MTBO of each system shall be greater than 10,000 hours. The Tenderers shall submit reliability analysis (MTBF, MTBO) in the Proposal.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.12 The DME equipment shall be installed in co-location with the CVOR equipment.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.13 Each Line Replaceable Units (LRU) of CVOR/DME Equipment shall be easily exchangeable.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.14 Indoor equipment shall be designed for continuous operation at least under the ambient temperature range of 0 °C to +50 °C with a relative humidity of up to 95%.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

- 5.1.15 Outdoor equipment shall be designed for continuous operation at least under the temperature range of -40 °C to +60 °C with a relative humidity of up to 100%, up to 100 mph (160 Km/h) wind velocity.

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

- 5.1.16 All outdoor materials shall be suitably weather protected by appropriate coat or high-grade paint in order to withstand severe ambient conditions of outdoor installation due to temperature, humidity, rainfalls, as specified in ICAO Annex 14 Vol. I.

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

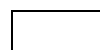
- 5.1.17 The Hosea Kutako International Airport CVOR/DME system shall be installed in an existing VOR/DME building.

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

- 5.1.18 The Keetmanshoop airport CVOR/DME system shall be installed in an existing VOR/DME facility. However, the facility shall be repainted white and red. The inside of the facility shall be refurbished.

COMPLIANCE (C/PC/NC/NOTED)



<i>[INSERT FULL RESPONSE HERE]</i>

5.1.19 Power supply

5.1.19.1 The CVOR/DME System shall be operated with 230 VAC $\pm$ ($\geq 10\%$), 50 Hz $\pm$ ($\geq 2\%$).

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.19.2 Power supply module for CVOR and DME equipment shall be individually supplied.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.20 Lightning protection, surge protection system shall be as follows.

5.1.20.1 All above system must be complied with IEC-62305 international standard or other international standards.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.20.2 The tenderer shall submit brand, model and the related document of lightning protection system in the proposal

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

- 5.1.21 The lightning protection system shall adequately protect all of the CVOR/DME and peripheral equipment in the event of a lightning strike.

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

- 5.1.22 The surge protection for all Telecom line shall be provided were applicable.

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

- 5.1.23 The Contractor shall supply RF Coaxial cable surge protection for VOR band and DME band complied with IEC-62305 or other international standards.

COMPLIANCE (C/PC/NC/NOTED)

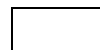
[INSERT FULL RESPONSE HERE]

- 5.1.24 The total resistance of the grounding system shall not exceed 5 Ω

COMPLIANCE (C/PC/NC/NOTED)

[INSERT FULL RESPONSE HERE]

- 5.1.25 The backup battery with charger unit for CVOR/DME equipment shall also be included in the power supply system.



COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.26 The backup battery shall have sufficient capacity to enable to operate at least Three (3) hour in the event of an AC mains failure.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.1.27 Equipment Warranty

5.1.27.1 Minimum two (2) years warranty as follows.

5.1.27.2 CVOR/DME Equipment and spare parts.

5.1.27.3 Portable Navigation Receiver (PNR) and Tools for installation and maintenance.

5.1.27.4 Computer and its Accessories.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2. VHF OMNI RANGE (CVOR) EQUIPMENT

5.2.1. System Accuracy

5.2.1.1. Azimuth accuracy shall be better than ± 1 degree on ground measurement.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



5.2.1.2. Azimuth stability shall be better than ± 0.5 degree measured at a monitor.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.2. The dual CVOR equipment shall comprise, but not limited to:

- 5.2.2.1. Dual carrier transmitters;
- 5.2.2.2. Dual sideband transmitters;
- 5.2.2.3. Dual monitors;
- 5.2.2.4. CVOR test generator;
- 5.2.2.5. Antenna Switching Unit
- 5.2.2.6. Antenna System.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3. CARRIER TRANSMITTER

5.2.3.1. Frequency band- 108 MHz to 117.975 MHz

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.2. Operating frequency, 114.5 MHz for Hosea Kutako International Airport

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.3. Operating frequency, 112.9 MHz for Keetmanshoop Airport

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:

--

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.4. Frequency stability, $\pm 0.002\%$ from the operating frequency

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.5. Output power, at least 50 watts (Standard), 100W (Optional)

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.6. **CARRIER MODULATION:**

5.2.3.6.1. Reference frequency: 30 Hz $\pm 0.2\%$

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.6.2. Modulation depth: 30% (adjustable)

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.6.3. Identification frequency: 1020 Hz ± 50 Hz

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



<i>[INSERT FULL RESPONSE HERE]</i>

5.2.3.6.4. Identification modulation Depth: 10% (adjustable)

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.6.5. Speech channel filter: Band pass at the range of 300 to 3000 Hz within 3 dB relative to the level at 1000 Hz

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.6.6. Speech modulation depth: Up to 30% (the transmission of speech shall not interfere in any way with basic navigation function (adjustable)

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.7. The Identification unit shall be able to generate any three letters International Morse Code for both CVOR and DME equipment (FYWH – WHV and FYKT - KTV).

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.3.8. The setting up of CVOR Identification code shall be computerized.

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.3.9. Protection shall be provided for the RF amplifier from damage caused by open
or short circuit of the output.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.4. SIDEBAND TRANSMITTER

- 5.2.4.1. A double-sideband CVOR equipment shall be provided.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.4.2. The Sub-carrier modulation mid-frequency shall be 9960 Hz $\pm$ 1%.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.4.3. Phase control circuit shall maintain phase stability between the sidebands and carrier signals.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



5.2.5. MONITOR

5.2.5.1. The CVOR Monitor system shall be capable continuous monitoring fault (s) detection and producing alarm signal (s) for the following conditions occurs:

5.2.5.1.1. A change more than one (1) degree of the bearing information transmitted
by the CVOR equipment;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.1.2. Reference signal 30 Hz modulation depth exceeds $\pm 2\%$ from the nominal value;

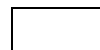
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.1.3. Sub-carrier 9960 Hz modulation depth exceeds $\pm 2\%$ from the nominal value;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.1.4. Sub-carrier 9960 Hz deviation ratio exceeds 16 ± 1 .

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



- 5.2.5.2. The bearing alarm limit shall be adjustable with the step of not more than 0.1 degree.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.5.3. The carrier RF level alarm limit shall be adjustable when the carrier level decreases at least 20 - 50% from the nominal value.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.5.4. The identification alarm shall be provided for the following conditions:

- 5.2.5.4.1. Continuous keyed;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.5.4.2. Loss of identification.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.2.5.5. The Monitors shall be configurable such that both monitors are monitoring the operating (on-antenna) or standby (on-dummy) transmitter simultaneously.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



[INSERT FULL RESPONSE HERE]

- 5.2.5.6. When two (2) Monitors are monitoring the operating transmitter, the Monitors can be configured either in 'AND' mode or 'OR' mode for a changeover or shutdown in the event of failure.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

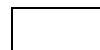
- 5.2.5.7. The Monitor shall provide a maintenance warning alarm to permit corrective action before an out-of-tolerance condition occurs. The warning indication shall be displayed at the designated control points and Remote Control and Status Unit (RCSU).

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.2.5.8. The parameters of CVOR Transmitter and Monitor shall be provided and show
on display. Control and Selection for display of those parameters shall be done by computerization which is permanently located at site. The following
parameters, including but not limited to, shall be available:

- 5.2.5.8.1. The bearing information;

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	



5.2.5.8.2. Reference signal 30 Hz modulation depth;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.8.3. Sub-carrier 9960 Hz modulation depth;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.8.4. Sub-carrier 9960 Hz deviation ratio;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.8.5. Identification;

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.8.6. Forward and reflected power or standing wave ratio.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.2.5.9. Alarm delay shall be adjustable.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



[INSERT FULL RESPONSE HERE]

5.2.5.10. Alarm history shall be provided to identify the parameter that has deviated beyond the alarm limit and caused the alarm.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.2.6. TEST GENERATOR

5.2.6.1. The Test Generator for CVOR equipment shall be able to check and calibrate the monitor to conform with ICAO Annex 10 Vol. I.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.2.6.2. Built-in-Test (BIT) or Fault Diagnostics shall be provided for all Lowest Replaceable Units (LRU) and capable of being initiated locally and remotely.

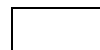
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.2.7. ANTENNA SWITCHING

5.2.7.1. The RF Power Distributor in the Antenna Switching unit shall be broadband for operation in the range of 108 MHz to 117.975 MHz.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



[INSERT FULL RESPONSE HERE]

- 5.2.7.2. Surge and Lightning Arrestors shall be provided for all output ports of the distributor.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.2.8. Antenna System

- 5.2.8.1. Main cardioid VOR antenna, external monitor dipole. Include 7 additional monitor dipoles arranged evenly around counterpoise edge at ~800 mm height, forming eight points spaced 45° apart relative to centre dipole.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.2.8.2. The Antenna VSWR shall not exceed 1.2 : 1 for carrier and 1.2 : 1 for sideband.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.2.8.3. The Antenna System shall provide sufficient coverage as required in ICAO Annex 10, Vol. I Paragraph 3.3.4 except where topographical features are dictated.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



<i>[INSERT FULL RESPONSE HERE]</i>

5.2.8.4. Nearfield Monitor included in the 8PGC

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3. DISTANCE MEASURING EQUIPMENT (DME)

5.3.1. The DME equipment shall comprise:

5.3.1.1. Dual transponders;

5.3.1.2. Dual monitors;

5.3.1.3. Antenna system.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.2. TRANSPONDER

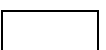
5.3.2.1. Frequency band: 960 MHz to 1,215 MHz

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.2.2. Operating channel: CH 92X for Hosea Kutako International Airport

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



5.3.2.3. Operating channel: CH 76X for Keetmanshoop Airport

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.3. TRANSMITTER CHARACTERISTICS

5.3.3.1. The radio frequency of operation shall not vary more than $\pm 0.002\%$ from the assigned frequency.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.3.1.1. Pulse shape and spectrum of pulse modulated signal shall meet the requirements for DME/N in ICAO Annex 10 Vol. I Paragraph 3.5.4.1.3. and 3.5.5.1.3

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.3.1.2. Pulse spacing shall meet the requirements specified in ICAO Annex 10 Vol. I Paragraph 3.5.4.1.4.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.3.1.3. The peak power of constituent pulses of any pair of pulses shall not differ by more than 1 dB.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



[INSERT FULL RESPONSE HERE]

- 5.3.3.1.4. The power amplifier of the transponder shall provide full peak output power of not less than 1000 watts (1kw) to the antenna

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.3.1.5. DME equipment shall provide/embed the coupling port for measuring peak output power (External tool) without shutdown/turn OFF the equipment.

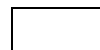
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.3.1.6. Dead time, short distance echo suppression and long-distance echo suppression shall be adequately adjustable for each DME station installed, in order to prevent any undesired signal degrading, the system performance.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.3.1.7. The transmitter shall operate at a transmission rate, including randomly distributed pulse pairs and distance reply pulse pairs, of not less than 700 pulse pairs per second except during identity.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

Note. — Operating DME transponders with quiescent transmission rates close to 700 pulse pairs per second will minimize the effects of pulse interference, particularly to other aviation services such as GNSS.

5.3.3.1.8. The maximum transmission rate shall be at least 4800 PPS.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.3.3.1.9. Identification shall meet the requirements specified in ICAO Annex 10 Vol.

I

Paragraph 3.5.3.6 for association with the CVOR identification.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.3.4. RECEIVER CHARACTERISTICS

5.3.4.1.1. The centre frequency of the receiver shall not vary more than $\pm 0.002\%$ from
the assigned frequency.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.3.4.1.2. Interrogation pulse pairs with correct spacing and nominal frequency shall trigger the transponder if the peak power density at the transponder antenna is at least -103 dBW/m² and this value cause the transponder to

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



reply with an efficiency of at least 70% complies with in ICAO Annex 10 Vol. I Paragraph 3.5.4.2.3.1, 3.5.4.2.3.2, 3.5.4.2.3.5 and 3.5.5.3.2.1.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.4.1.3. Bandwidth and selectivity shall meet the requirements specified in ICAO Annex 10 Vol. I Paragraph 3.5.4.2.6.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.4.1.4. CW and echo suppression shall be provided and meet the requirements specified in ICAO Annex 10 Vol. I Paragraph 3.5.4.2.9.

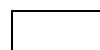
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.4.1.5. DME/N-Decoder rejection. An interrogation pulse pair with a spacing of $\pm 2 \mu\text{s}$ or more, from the nominal value, shall be rejected and meet the requirements specified in ICAO Annex 10 Vol. I Paragraph 3.5.4.3.3

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.4.1.6. Receiver dead time shall be adjustable for echo suppression as measured after main delay time.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



<i>[INSERT FULL RESPONSE HERE]</i>

5.3.4.2. Time Delay

5.3.4.2.1. The time delay shall meet the requirements specified for DME/N in ICAO Annex 10 Vol. I Paragraph 3.5.4.4.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.4.2.2. Reply delay, pulse spacing and pulse width shall be adjustable to the specified values without removing any module from the assembly.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5. DME Monitor

5.3.5.1. The Monitor shall serve two purposes.

5.3.5.1.1. To ensure that the transponder signal is within the tolerance as specified for

DME/N in ICAO Annex 10 Vol. I Paragraph 3.5.4.7.2

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.1.2. To be used as a Test signal generator in conjunction with a built-in test unit for calibration, testing and maintenance of the transponder.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right hand corner with black pen:



[INSERT FULL RESPONSE HERE]

- 5.3.5.2. To be used as ensuring the transponder signal within the tolerance [ANNEX 10/Vol. I / Paragraph 3.5.4.7.2]. The monitor system shall initiate an appropriate "WARNING" or "ALARM" indication & sound if any related abnormal condition occurs.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.2.1. Spacing error of transmitted pulse pair exceeds $\pm 1.0 \mu\text{s}$

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.2.2. Reply delay error exceeds $\pm 1.0 \mu\text{s}$ for high powered DME.

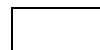
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.2.3. Transmitting pulse count (Pulse Repetition Frequency) falls below 700 pps.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.2.4. Continuous or loss of identification.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



<i>[INSERT FULL RESPONSE HERE]</i>

5.3.5.2.5. A fall of 3 dB or more in transmitted power output

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.2.6. A fall of 6 dB or more in the minimum transponder receiver sensitivity provided that this is not due to the action of the receiver automatic gain reduction circuits.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.3. The occurrence of primary alarm shall initiate a transfer action while the main transponder is operating (on-antenna) and a shutdown action while the standby transponder is operating (on-antenna). The primary alarms are generated by transmitting pulse spacing error (in 5.3.3.2.1) or reply delay error (in 5.3.3.2.2).

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.4. The Monitors shall be configurable such that both monitors are monitoring the Operating (on-antenna) and standby (on-dummy) transponder simultaneously.



COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.5. When two Monitors are monitoring the operating transponder, the monitors can be configured either in 'AND' mode or 'OR' mode for a changeover or shutdown in the event of failure.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.6. Alarm history shall be provided to identify the parameter that has deviated beyond the alarm limit and caused the alarm.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.7. Test signal generator output shall be selected, The channel frequency deviation of ± 100 kHz and ± 900 kHz of the transponder receiver can be tested.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.3.5.8. Test signal generator (interrogation) output level shall be adjustable at least from -91 dBm to -20 dBm at the transponder antenna connector.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

- 5.3.5.9. Test signal generator PRF shall be adjustable nearly 700 to at least 4800 PPS.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.10. At least the following Transponder and Monitor parameters shall be available for display at the designated control points:

- 5.3.5.10.1. Reply delay;
- 5.3.5.10.2. Reply pulse pair spacing;
- 5.3.5.10.3. Reply efficiency;
- 5.3.5.10.4. Transmit power;
- 5.3.5.10.5. Transmitter pulse count;
- 5.3.5.10.6. Identification.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.3.5.11. Settings and selection for display of the Transponder and Monitor parameters in 5.3.3.10 shall be done by a Desktop Computer (refer to 5.4.1.4 and 5.4.5.2.10)

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.3.6. DME ANTENNA SYSTEM

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



- 5.3.6.1. The radiation patterns of the Antenna System shall be submitted with the Tender. For the horizontal radiation pattern, the antenna shall be Omni-directional type. For the vertical radiation pattern, the antenna main lobe shall be maximum at three (3) degrees (see Figure C-20 of [ANNEX 10 / Vol. I / Attachment C / Paragraph 7.2.1]) in Appendix B.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.3.6.2. The Antenna shall be capable of radiating DME signal throughout the DME frequency band (960 MHz to 1,215 MHz) so that changing of the operating frequency needs no readjustment of the Antenna.

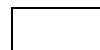
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.3.6.3. The antenna gain shall not be less than +9 dBi.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.3.6.4. One (1) set double LED obstruction lighting equipment with photo-switch shall be installed with the antenna. The LED obstruction lighting equipment shall conform to the ICAO Annex 14 Vol. I Chapter 6 – Visual Aids for Denoting Obstacles. Type and model shall be submitted in the Proposal.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



5.4. CONTROL AND MONITORING

5.4.1. CVOR LOCAL CONTROL UNIT (LCU)

5.4.1.1. The CVOR equipment shall be able to operate on local or remote control.

It shall have at least the following control and monitoring functions:

5.4.1.1.1. Selecting the main;

5.4.1.1.2. Turning on/off transmitter;

5.4.1.1.3. Turning on/off the standby transmitter into dummy loads for testing purposes;

5.4.1.1.4. Selecting Remote/Local Control;

5.4.1.1.5. Resetting the alarm;

5.4.1.1.6. Shutting down the station;

5.4.1.1.7. Displaying operating status of the equipment;

5.4.1.1.8. Bypassing the monitor.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.4.1.2. The CVOR Local Control Unit shall automatically transfer from the selected antenna to a standby antenna and/or shut down in the event of an alarm.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.4.1.3. Reset function shall be provided to clear fault condition (s) and restart normal operation.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



[INSERT FULL RESPONSE HERE]

- 5.4.1.4. One (1) set of Desktop Computer shall be provided as part of the Local Control Unit for CVOR/DME.

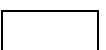
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 5.4.1.5. The software for monitoring and controlling the CVOR/DME equipment shall be installed in the Desktop Computer. The recovery CD/DVD/USB for the software shall be provided. The user's license for the software shall be provided for NCAA.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.4.2. DME LOCAL CONTROL UNIT (LCU)

- 5.4.2.1. The DME equipment shall be able to operate on local or remote control. It shall have at least the following control and monitoring functions:
- 5.4.2.1.1. Selecting the main equipment;
 - 5.4.2.1.2. Turning on/off transponder;
 - 5.4.2.1.3. Turning on/off the standby transponder into dummy loads for testing purposes;
 - 5.4.2.1.4. Selecting Remote/Local control;
 - 5.4.2.1.5. Resetting the alarm;
 - 5.4.2.1.6. Shutting down the station;
 - 5.4.2.1.7. Displaying the operating status of the equipment;
 - 5.4.2.1.8. Bypassing the monitor.



COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.2.2. The DME Local Control Unit shall automatically transfer from the selected transponder to a standby transponder and/or shut down in the event of an alarm.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.2.3. Reset function shall be provided to clear fault condition (s) and restart normal operation.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.2.4. The software for monitoring and controlling the DME equipment shall be installed in the same local Desktop Computer used for the CVOR. The recovery DVD/USB for the software shall be provided. The user's license for the software shall be provided for NCAA.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.4.3. REMOTE CONTROL AND STATUS UNIT (RCSU)

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



5.4.3.1. The CVOR/DME RCSU shall have at least the following control and monitoring functions:

5.4.3.1.1. Turn on/off the selected transmitter/transponder with indicator;

5.4.3.1.2. Transfer and shutdown with indicator;

5.4.3.1.3. NORMAL/ALARM indicator and audible alarm;

5.4.3.1.4. Alarm silence control with indicator;

5.4.3.1.5. Alarm reset.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.4.3.1.6. The CVOR/DME RCSU shall be housed in a cabinet suitable for installation on either desktop or rack in the Technical Control Room at ATC tower.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.4.3.1.7. The CVOR/DME RCSU shall be connected via optic fibre link (provided by the NCAA).

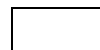
COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

5.4.4. REMOTE STATUS UNIT (RSU)

5.4.4.1. The status indicator shall be provided with audible alarm that is installed in the control room at the ATC tower.

5.4.4.2. The RSU shall have at least the following features:

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:



- 5.4.4.2.1. Display the operating status of the CVOR/DME systems;
- 5.4.4.2.2. Visual and audible alarm with an alarm silence control;
- 5.4.4.2.3. Turn on/off switch for the status indicator.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

5.4.5. REMOTE MONITORING AND MAINTENANCE EQUIPMENT (RMM)

- 5.4.5.1. The RMM Equipment shall monitor and control equipment by TCP/IP or better.
- 5.4.5.2. The RMM Equipment shall have at least the following functions for each equipment:
 - 5.4.5.2.1. Selecting the main transmitter/transponder;
 - 5.4.5.2.2. Turning on/off transmitters/transponders;
 - 5.4.5.2.3. Turning on the standby transmitter/transponder into dummy loads for testing purposes;
 - 5.4.5.2.4. Bypassing the monitor;
 - 5.4.5.2.5. Resetting the alarm;
 - 5.4.5.2.6. Shutting down the station;
 - 5.4.5.2.7. Adjusting and displaying transmitter/transponder and monitor parameters.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.5.2.8. The RMM Equipment shall be interfaced to CVOR/DME station via optic fibre TCP/IP network link (provided by NCAA).

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



- 5.4.5.2.9. The communication for the RMM must be separated from that for the RCSU for redundancy purposes.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.5.2.10. RMM Equipment shall be performed by Desktop Computer.

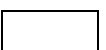
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.5.2.11. One (1) sets of Desktop Computer shall be provided as part of the CVOR/DME RMM.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.4.5.2.12. The RMM Equipment software for remote monitoring and controlling the CVOR/DME equipment from anywhere shall be installed in the Desktop Computer. The recovery CD/DVD/ or any portable data storage devices for the RMM software shall be provided. The user's license for the software shall be provided to NCAA.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



5.5. TRAINING REQUIREMENTS

- 5.5.1.** The supplier shall submit Factory Acceptance Test (FAT) and Site Acceptance Test (SAT) Procedures of the System to NCAA at least forty-five (45) days prior to commencement of the FAT for review and approval. The Training Plans (TP) for technical personnel in the factory and onsite shall outline the course contents, objectives, and outcomes of the training.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.5.2.** The Factory Training shall be performed at the Supplier's factory in accordance with the approved procedures and the supplier shall cover all the costs involved.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 5.5.3.** The supplier shall include in the cost for airfare travel, medical insurance, local transportation costs and Daily Subsistence Allowance (DSA), to all participants for the factory training or other project travel expenses as may be required under this specification. The DSA shall be paid out to the beneficiaries by the eventual supplier. The DSA shall be based on the prevailing NCAA standard rate and travelling policy.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

6. INTERSYSTEM CONNECTION

- 6.1.** The CVOR/DME system shall be connected with RCSU and RCMS (Provided by the OEM).

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

- 6.2.** The Contractor shall provide a list of all necessary standards documents and Interface Control Documents (ICDs) with regards to the CVOR/DME-RCMS information exchange.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

7. SUPPLEMENTS

7.1. PORTABLE NAVIGATIONAL RECEIVER (PNR)

- 7.1.1. ONE (1) SET OF PORTABLE NAVIGATIONAL RECEIVER SHALL BE PROVIDED. THEY SHALL BE USED FOR GROUND TEST OF THE ILS AND VOR BEACONS. EACH PNR SHALL COMPRISES:**

- 7.1.1.1. Receiver for Localizer, Glide Slope, VOR and Marker Beacon;
- 7.1.1.2. Built-in rechargeable battery;
- 7.1.1.3. Antennas for Localizer, Glide Slope and VOR;
- 7.1.1.4. Battery Charger;

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:

--

7.1.1.5. Antenna Pole;

7.1.1.6. Accessories.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

7.1.2. THE PNR SHALL BE DESIGNED FOR OUTDOOR PURPOSE WITH COMPACT AND WEATHERPROOF.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

7.1.3. ALL ILS AND VOR CHANNELS SHALL BE SELECTABLE.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

7.1.4. PERFORMANCE ANALYSER OF ILS LOCALIZER, GLIDE SLOPE, AND VOR SHALL BE PERFORMED IN ACCORDANCE WITH ICAO DOC 8071 VOL. I.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

7.1.5. ALL PARAMETERS SHALL BE PRINTED OUT DIRECTLY OR EXPORT TO THE EXTERNAL PORTABLE STORAGE MEDIA E.G. EXTERNAL HD/USB DRIVE OR OTHER DEVICES IN TEXT FORMAT.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



[INSERT FULL RESPONSE HERE]

7.1.6. PNR SHALL BE PROVIDED REAL TIME MEASUREMENT DATA DIRECTLY VIA RS 232 C OR USB PORT.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

7.1.7. PNR SHALL BE PROVIDED WITH THE INTERFACE CONTROL DOCUMENT (ICD) FOR EXTRACTING OR DECODING THE REAL TIME MEASUREMENT DATA.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

7.1.8. BATTERY CHARGER SHALL BE OPERATED ON 220 VAC, 50 HZ SINGLE PHASE.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

7.2. CVOR Spare Parts

7.2.1. ONE (1) SETS OF CVOR RECOMMEND SPARE PARTS SHALL BE PROVIDED.

COMPLIANCE (C/PC/NC/NOTED)	
[INSERT FULL RESPONSE HERE]	

7.3. DME Spare Parts

7.3.1. ONE (1) SETS OF DME RECOMMENDED SPARE PARTS SHALL BE PROVIDED.

Initial each page of the bid document and all attachments on the bottom right had corner with black pen:

--

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

7.4. RCSU and RSU Spare Parts

7.4.1. ONE (1) SETS OF RCSU AND RSU RECOMMENDED SPARE PARTS FOR CVOR/DME SYSTEMS SHALL BE PROVIDED.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

8. TOOLS FOR INSTALLATION AND MAINTENANCE

8.1. One (1) set shall provide. Each set comprises:

8.1.1. THE CONTRACTOR SHALL PROVIDE AT LEAST WAVEFORM ANALYSIS TOOLS, DIGITAL THRU LINE WATTMETER, DIGITAL MULTI-METER, PORTABLE RF POWER ANALYSIS, FREQUENCY COUNTER AND ADDITIONAL TOOLS THAT COMPLIES WITH MANUFACTURER STANDARD FOR CVOR/DME SYSTEM INSTALLATION, MAINTENANCE AND HARDWARE ADJUSTMENT.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

8.1.2. THE CONTRACTOR SHALL PROVIDE LIST OF RECOMMEND INSTALLATION AND MAINTENANCE TOOLS FROM MANUFACTURER.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

8.1.3. EXTENSION CARDS (IF ANY) AND CABLES AS REQUIRED FOR EACH MODULE/PCB OF THE CVOR AND DME SHALL BE PROVIDED FOR MAINTENANCE.



COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

8.1.4. TEST CABLES, DUMMY LOADS, RF ADAPTER KITS AND ATTENUATION KITS FOR TRANSMITTER CALIBRATION AND FLIGHT INSPECTION SHALL BE PROVIDED.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

8.1.5. INSTALLATION MATERIALS SUCH AS EXTERNAL AND INTERNAL CABLINGS, CABLE TRAYS, CABLE LADDER, CONNECTORS, CABLE TIES AND CONDUITS SHALL BE PROVIDED.

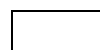
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

9. TECHNICAL DOCUMENTS AND TEST REPORTS

9.1. The Contractor shall provide the following documents:

9.1.1. ONE (1) SETS OF HARD COPY AND ONE (1) SETS OF SOFT COPY IN USB FOR MECHANICAL AND ELECTRICAL CVOR/DME DRAWINGS AND WHOLE NETWORK DIAGRAMS ESSENTIAL FOR INSTALLATION, MAINTENANCE AND TROUBLESHOOTING OF THE EQUIPMENT, INCLUDING SUCH DRAWINGS AS ARE NEEDED TO IDENTIFY THE COMPONENTS AND CABLE WITHIN THE EQUIPMENT OR ITS SUBUNITS PER STATION.

COMPLIANCE (C/PC/NC/NOTED)	
-----------------------------------	--



<i>[INSERT FULL RESPONSE HERE]</i>

- 9.1.2. TWO (2) SETS OF HARD COPIES AND ONE (1) SET FOR USB, OF CVOR/DME INSTALLATION AND EQUIPMENT INSTRUCTION MANUALS, SETTING OUT IN DETAIL THE PROCEDURES FOR OPERATION, ROUTINE MAINTENANCE, TROUBLESHOOTING OF THE EQUIPMENT, TEST AND ALIGNMENT PROCEDURES, INCLUDING SCHEMATICS AND INTER-CABLING DIAGRAMS PER STATION.**

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 9.1.3. ONE (1) ORIGINAL AND ONE (1) HARD COPY OF FACTORY ACCEPTANCE TEST (FAT) REPORT SHALL BE PROVIDED AT THE FACTORY AFTER THE COMPLETION OF FAT.**

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

- 9.1.4. ONE (1) ORIGINAL AND ONE (1) HARD COPY OF SITE ACCEPTANCE TEST (SAT) REPORT SHALL
BE PROVIDED AT THE SITE AFTER THE COMPLETION OF THE COMMISSIONING FLIGHT CHECK.**

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



9.1.5. ONE (1) ORIGINAL AND ONE (1) HARD COPY OF FUNCTION UNIT TEST (FUT) REPORT SHALL BE PROVIDED AT THE SITE BEFORE THE COMPLETION OF THE INSTALLATION.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

10. DESKTOP COMPUTER

10.1. The Tenderers shall provide the Desktop Computers one (1) per site including all attached devices that are installed for system operation and monitoring.

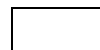
COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

10.2. The Tenderers shall provide the two (2) Desktop Computers for the function of RMM for Hosea Kutako International airport and Eros airport including all attached devices that are installed for system operation and monitoring.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	

10.3. The Tenderers shall propose the technical specifications of Desktop Computer suitable for function.

COMPLIANCE (C/PC/NC/NOTED)	
<i>[INSERT FULL RESPONSE HERE]</i>	



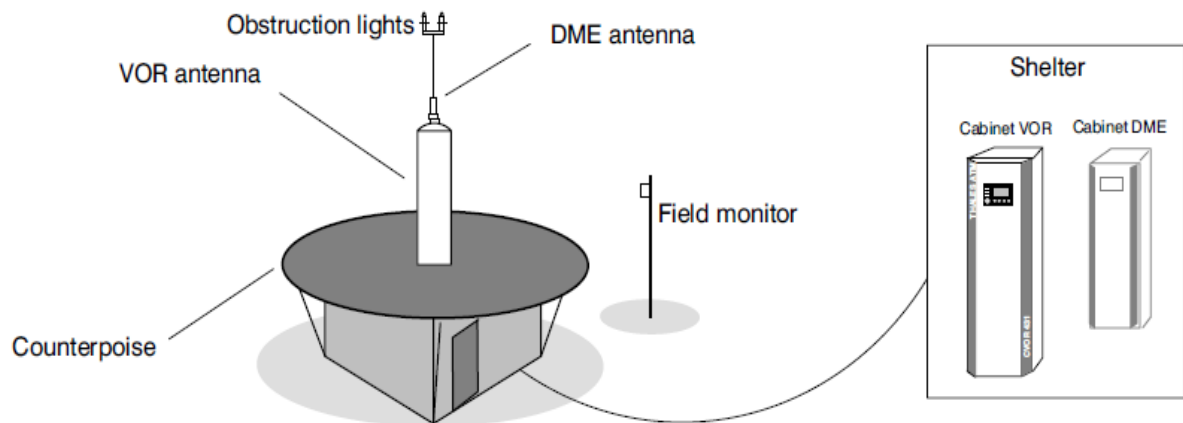


Fig 1. Illustrate the VOR/DME setup

//END//

