



**Continuing Airworthiness Management Department
Nepal Airlines Corporation
Request for Sealed Quotation for Repair of V2527E-A5 Engine Serial Number V17585 installed in A320-200
aircraft Reg. No. 9N-AKW**

Date of Publication: 3rd September 2022

Nepal Airlines Corporation (NAC) Continuing Airworthiness Management (CAM) Department would like to invite OEM/ MROs to submit sealed quotation for the repair/refurbishment of the NAC's unserviceable V2527E-A5 Engine Serial Number V17585. We encourage the prospective OEM/ MROs to submit their sealed quotation based on the General Terms and Conditions as mentioned below.

This document can be downloaded from the first date of publication of this notice in the page Notice/ Announcement of NAC website: www.nepalairlines.com.np

General Terms and Conditions (GT&C):

- 1. Submission Period :** The sealed quotation must be submitted to following address within twelve (12) calendar days 17:00 Hrs KTM local time from the above date of publication of the notice.

**Nepal Airlines Corporation
Continuing Airworthiness Management Department
Tribhuvan International Airport
Kathmandu Nepal
Tel: +977 14470670**

- 2. Validity of Quotation:** The bidder should quote firm prices/rates/offers that shall remain valid for acceptance for the period commencing from the date of entering into subsequent agreement/contract till completion of the jobs specified in the agreement/contract throughout the terms of the contract. The sealed quotation document should be valid for 120 days after the last date of the quotation submission.
- 3. Quotation Opening:** All received quotations shall be opened at 14:00 Hrs local time on the next day of the closing date for submission of the sealed quotation at the venue mentioned below with/without presence of prospective bidder/his representative/nominee

**Office of the Director
Continuing Airworthiness Management Department
Nepal Airlines Corporation
Tribhuvan International Airport
Kathmandu Nepal
Tel: +977 14470670**

In case, the last date of submission and opening of Sealed Quotation as prescribed above fall on a holiday, the same will automatically take place on the successive office working day/s at the same hours.

4. Information to the bidder

a) **Mode of quotation: The quotation can be sent through any of the below modes within the stipulated date of submission:**

1. Hand delivered:
 - i. Shall be with proper wax-sealed on the envelope
 - ii. Shall mention below details on the outer cover of the envelope
“Sealed Quotation for Repair/Refurbishment of V2527E-A5 Engine Serial Number V17585”
 - iii. Shall be submitted at address mentioned in GT&C (3) above in this document within the stipulated date of submission.
2. Email:
 - i. All PDF attachments must be **password protected**. The email quotation must reach within stipulated date and time on following email addresses: dir.camd@nac.com.np; dydir.epd@nac.com.np; bmahato@nac.com.np.
 - ii. Please note that email attachment should exclusively in PDF format. If email attachment size is greater than 5 MB please send multiple emails with each attachment less than 5 MB.
 - iii. After the deadline of submission of sealed quotation, NAC shall request / email the bidders to submit the password. The password shall be provided **via separate email** at dir.camd@nac.com.np; dydir.epd@nac.com.np; bmahato@nac.com.np after request from NAC within prescribed date and time.
 - iv. Any email quotation without password protected and password submitted beyond duration mentioned in (iii) above shall not be considered.
 - v. It is the responsibility of bidder to ensure that quotation sent through email(s) shall reach within stipulated date and time.
3. Air freighted / couriered:
 - i. Please note it is responsibility of bidder to make sure that the air freighted/couriered quotation shall reach mailing address mentioned in GT&C (1) above in this document. The sealed quotation, if air freighted/couriered from abroad, would be accepted even without wax sealed on the envelope.
4. Please note that other electronic means of communication (telex, fax) shall not be considered.

b) **Bid Bond:**

- i. The sealed quotation should be accompanied by a Bid Bond in favor of NAC in the form of bank guarantee issued by a reputed international bank and counter guaranteed by a Nepalese commercial bank for an amount of US\$ 3,500.00 (Three Thousands Five Hundreds US Dollars).
- ii. The Bid Bond must be valid for a period at least of 210 (two hundred ten) days after the last date of the quotation submission.
- iii. Bidders can deposit the bid amount to the following account and evidence of deposit should be enclosed. Any bank charges incurred in furnishing the Bid Bond shall be borne by the bidder.

Beneficiary Account Name	: Nepal Airlines Corporation
Bank Account Number	: 00300406330048 (USD)
Bank Name	: Himalayan Bank Limited
Bank Branch& Address	: New Road Branch, Bishal Bazar Complex, New Road, Kathmandu, Nepal
Swift Code	: HIMANPKA

Through : Himalayan Bank Limited's USD Account No.
3582020761001 with
Standard Chartered Bank, All USA
Swift Code : SCBLUS33

- c) Preparedness of the quotation (CHECKLIST to be submitted the sealed quotation):** The bidder must provide following documents along with the quotation:
- a) Company Profile along with MOE and capability list
 - b) Scanned copy of declaration as per the format in Appendix-D in company letter head.
 - c) The company's EASA/FAA approval certificates
 - d) Civil Aviation Authority of Nepal's AMO Approval/ Validation Certificate (if available)
 - e) Financial Statement and Audit report of previous 3 years of the prospective supplier
 - f) Bid Bond letter/document (Refer to 4(b) above)
 - g) Local Representative nomination letter (if available)
 - h) Authorized signature and stamp (if available) of organization on all pages of submitted quotation documents (along with this RFQ document)

- d) Payment terms:** The payment terms will be the Letter of Credit at sight.

- e) Interpretation of the Sealed Quotation Document:** Inquiries regarding clarification/interpretation in connection with this sealed quotation document should be addressed to :

The CAM Director
CAM Department, Nepal Airlines Corporation
Tel : +977 1 4470670 / 4493 781
Email : dir.camd@nac.com.np; dydir.epd@nac.com.np; bmahato@nac.com.np

Such inquiries and official replies may be circulated to other bidders by NAC if deemed appropriate.

Any inquiries regarding clarification/interpretation mentioned as above must be sent to reach at least 5 (five) days prior to the date fixed for submission of the sealed quotation in the following email. NAC will not be held responsible for any oral instructions, explanations and interpretations made by any of the NAC employees other than the Director of CAM Department.

- f) Disclaimer:** NAC reserves the right to reject any or all of the quotations submitted at any stage before executing contract without assigning any reasons whatsoever and without any obligation and liability whatsoever. NAC also reserves the right to hold or withdraw or cancel the process at any stage under intimation to the prospective bidder who submits the quotation.
- g) Evaluation of the quotation:** NAC can communicate/ ask further clarifications on the received quotation to the bidder if required. Quotations will be evaluated on the basis of financial and technical aspects as per Appendix-C.

- h) **Signature and Stamp:** All pages of submitted quotation documents shall have authorized signature and stamp (if available) of organization.

5. Engine Information as of 20-Aug-2022:

- a) **Engine Type/Model:** V2527E-A5 Select-Two configuration (27k lbs. thrust),
b) **Installed on Aircraft:** 9N-AKW (MSN 06445) Position- RH
c) **Aircraft Model:** A320-233
d) **Aircraft Total Hrs:** 19,090
e) **Aircraft Cycles:** 6,474
f) **Current Flight Sectors:** BKK, DEL, BLR, BOM, KUL, DXB, DOH , HKG
g) **Operating Base:** KTM
h) **Information of the defect Engine (S/N:V17585)**

- i. TTSN: 19,094
ii. TCSN: 6,474
iii. TSR: N/A
iv. CSR: N/A

i) Reason for removal of the engine:

- i. During scheduled Borescope Inspection of HPT Stage 1 Trailing Edge blades, one of the HPT Blade Trailing Edge area within 25% inner span found material loss axial depth of 5.80 mm and radial length of 6.63 mm.
ii. Other blade found above 25% area of span axial length 2.79 mm and radial length 10.37 mm material loss along with another blade minor burn at Trailing Edge 50% span area.
iii. Damaged blades are not subsequent blades
iv. Please refer Appendix E for Borescope Inspection Photos

6. Price/Rates/Offer Quote Forms: Please provide your price/ rates/offers as per attached Table in Appendix A and B.

7. Authority of NAC:

NAC or any of its' authorized representative(s)/entity shall, at all-time have free access to the contractors' facility. The contractor shall, at all times co-operate with and give all possible facilities in order to have proper inspection of the engines, its components, contractors' workmanship and methods, quality of service, acceptability of materials/equipment/products.

8. Validity of Contract: The contract shall come into force from the date of signing of the contract and shall remain valid for the repair/refurbishment period for ESN V17585. Upon expiry of the stipulated term, the contract shall continue to remain in force till warranty period of the repaired engine.

9. Warranty: Warranty shall cover the specified Hours/Cycles/Months for the workmanship and all materials: rotables, repairables, expendables, consumables, etc. supplied by the contractor. The liability of the contractor shall remain even after expiry of the contract till the specified period or Cycles/Hours. Warranty will be detailed in the final agreement/ contract document. Sealed quotation without warranty will be disqualified for evaluation.

10. Performance Bond:

- a. After acceptance of the Sealed Quotation, the successful contractor should provide NAC a Performance Bond issued by an internationally reputed bank and counter guaranteed by a

Nepalese commercial on the same day or prior to entering into the agreement/contract. Amount of the Performance Bond should be equivalent to/more than US\$ 175,000.00 (One hundred Seventy Five thousands US dollars).

- b. The Performance Bond should remain valid until the agreement/contract remains in force between the two parties. Any charges incurred in furnishing the Performance Bond shall be borne by the contractor. The Performance Bond of the contractor will be released soon after expiry/termination of the agreement/contract unless and until the disputes/pending issues, if any, are left unresolved. The contractor must ensure validity of the Performance Bond if the contract period is extended.
- c. Bid Bond of all parties including the successful SUPPLIER OR BIDDER, will be released as soon as the contract with the successful SUPPLIER OR BIDDER is made. Any bank charges incurred in furnishing the sealed quotation; Bid Bond or Performance Bond shall be borne by the SUPPLIER OR BIDDER.

11. Taxes: Each party shall be responsible for taxes, duties, penalties or other similar taxes imposed by its local authorities or government.

12. Indemnities and Insurance: Indemnities, insurance and loss or damages of engine/engine components within the contractors' custody will be determined upon mutual consent and the same will be incorporated in the final agreement/contract document.

13. Documentation Requirement for Repaired engine: Immediately following a shop visit a comprehensive record of work performed shall be provided to Nepal Airlines which is to include the following, at a minimum:

- FAA 8130 and/or EASA Form1 or Dual Release Certificate
- AD compliance statement
- SB Status
- Shop Visit Findings Report
- Shop Visit Dirty Finger Prints
- LLP back to birth traceability and life statement
- Fan Blade Distribution listing
- Modular History Card
- Module Status of Engine Build
- Checking in/Checking out/Missing parts list
- Test bed Performance Report
- Post Test Borescope report, images & video
- In-coming inspection report
- Certification of any serialized or time-controlled parts installed
- DER Repairs can be accepted with prior permission from Nepal Airlines
- Where work is covered by an hourly rate the commercial value of material used should also be detailed in final invoice.
- Status of V2500-A5 "C"-check equalization work.

The SUPPLIER OR BIDDER is to provide a list of standard documentation that they will provide for each engine shop visit.

Appendix A: Financial Criteria - Price/Rates/Offer Quote Form for Fixed Price Labor Schedule

S/N	Item Description	Quote in Figures (USD)							
		Build Group	Level 1	Level 2					Level 3
			Level 2.1	Level 2.2	Level 2.3	Level 2.4	Level 2.5	Level 2.9	
1	Fixed Flat labor charge for strip, clean, routine inspection, routine rework and rebuild of each module/ MMA for Level 1, Level 2 (2.1, 2.2, 2.3, 2.4, 2.5, 2.9) and Level 3								
	Engine General								
	Fan								
	Low Pressure Compressor								
	Front Bearing Compartment								
	Fan Case/ Intermediate								
	High Pressure Compressor								
	Diffuser								
	Combustor								
	No. 4 Bearing								
	1 st Stage Turbine Nozzle								
	High Pressure Turbine								
	Low Pressure Turbine								
	Turbine Exhaust Case								
	External Gearbox								

S/N	Item Description	Offer	
		Quote in Figure(s) (USD)	Quote in Words(USD)
2	Fixed Flat rate labor charge for stripping an engine to modules or MMA, routine inspection and rebuild of engine along with all modules for the complete Engine.		
3	Labor rate per man-hour for non-routine work arising out of inspection such as salvage work, repair of the defect, specialist processes, SB/AD incorporation, etc.		
4	Fixed flat cost for minor value parts and bulk materials usage during refurbishment/ overhaul which must include all expendables and consumables whose unit price is less than US\$ 65.00	X	X
	Engine Basic Non-Modular		
	Fan Rotor Module		
	Low Pressure Compressor		
	Internal G/Box-FBC		
	Fan Case and Fan Frame		
	High Pressure Compressor		
	Diffuser Case Assembly		
	Combustor Assembly		
	No. 4 Bearing Compartment		
	1st Nozzle Guide Vane Group		
	High Pressure Turbine		
	LP Turbine Module		
	Turbine Exhaust Case		
External Gear Box			

S/N	Item Description	Offer	
		Quote in Figure(s) (USD)	Quote in Words(USD)
5	Engine Test cell run including slave unit if required and packing for shipment charges including fuel, oil, preservatives, etc.		
6	Mark-up (Handling Charges) on New Replacement Parts based on the Manufacturer list price (% of CLP), which must cover all the charges such as freight and all applicable taxes outside Nepal.		
7	Upper capping in US\$ on the Mark-up of the new list price per line item.		
8	Mark-up on Life Limited Parts based on the Manufactures' list price (% of CLP), which must cover all the charges such as freight and all applicable taxes outside Nepal.		
9	Discount on CLP for new replacement parts.		
10	Upper capping in US\$ on mark-up of the replacement parts price per line item.		
11	Mark-up (Handling Charges) on sub-contractor's invoice charges for sub-contracted work that shall cover all applicable charges such as freight and all applicable taxes outside Nepal.		
12	Discount on CLP for Life-Limited Part, if any.		
13	Buyback Policy for the Life Limited Parts (LLP) having the life cycles remaining, the Buy-back policy must be on straight line Pro-rata basis for remaining life minus any applicable certification charges.		
14	Upper Capping (in US\$) on the Mark-up of sub-contract per invoice per line item.		
15	Exchange Fees for LLPs. Notes: The exchange LLP price shall be straight Pro-rata price for the Party's and NAC's parts. For exchange of parts, prior approval should be obtained from NAC. If NAC's LLP is better in terms of remaining life, the difference in prorated price value must be rebated to NAC.		
16	Flat Exchange charges for Material (any OHC parts) in terms of the percentage of the manufacturer list price (CLP).		

S/N	Item Description	Offer	
		Quote in Figure(s) (USD)	Quote in Words(USD)
17	Exchange Fees for OHC parts. Notes: Additional charges (Credit or Debit) shall be separate depending on mod status & residual life remaining on the exchanged unit and NAC's removed unit. For exchange of parts, prior approval should be obtained from NAC.		
18	Price of Serviceable Overhauled Parts (OHC) in terms of percentage of the manufacturer's list price.		
19	Handling charges (if any) on spare parts supplied by NAC for both; LLPs and non-life limited parts.		
20	Upper Capping (in US\$) on this handling charges on spare parts supplied per line item by NAC.		
21	Approximate Average percentage cost of New Replacement Parts (without markup) based on estimated total final cost (without mark-up) and without LLPs.		
22	Approximate percentage cost of sub-contract works for non-routine repair/ rework jobs (without markup) arising out of routine inspection based on estimated total final cost (without mark-up) and without LLPs.		
23	23.a) Engine Transportation Charges: From Singapore to your facility (Including Engine Stand Charges)		
	23.b) Engine Transportation Charges: From Doha to your facility (Including Engine Stand Charges)		
	23.c) Engine Transportation Charges: From Tel Aviv, Israel to your facility (Including Engine Stand Charges)		
24	Engine Transportation Charges: From your facility to Singapore		
25	Long term storage charge of Engine at your facility:		
26	Please specify Local Representative in Nepal with complete address and contact number with appropriate tax clearance certificate (Please provide evidence)		

Note: Please note that Bidder who could not provide substantial evidence on the supplied offer may lead to subsequent disqualification of their sealed quotation document.

Appendix B: Technical Criteria - Price/Rate/Offer Quote Form

S/N	Item Description	Offer	
		Quote in Figure(s)	Quote in Words
1	Number of available V2500 Repair facilities		
2	Number of V2500 repaired / refurbished / overhauled till July 2022 (should exceed 500) (Please provide the evidence)		
3	OEM approved shop facility (Yes/No) (Please provide the evidence)		
4	Mention percentage of sub-contract work (should be below 30%)		
5	Engine Condition Trend Monitoring (Yes/No)		
6	Mention Part No of available ultrasonic test equipment in your facility		
7	On-wing In-Service support in case of AOG or for unscheduled repair (Please mention the level of work that can be done on-wing)		
8	Accessory / LRU in-house repairs (Please provide Lists)		
9	EGT Margin Guarantee for CPR or HSR (Please mention in degree centigrade)		
10	Nearest engine induction slot/date available for NAC's engine ESN V17585		
11	Turnaround time(TAT) for Shop Visit of NAC's engine ESN V17585 inclusive of sub-contract work.		
12	Warranty (Cycles / Hours/ Months) after repair of ESN V17585 (This is mandatory, please refer GT&C (9))		
13	Please mention YES or NO if you have Design Approval (FAA Part-21/EASA Part-21). Please provide the proper evidence.		

Note: Please note that Bidder who could not provide substantial evidence on the supplied offer may lead to subsequent disqualification of their sealed quotation document.

Appendix C: Evaluation Criteria (not to be filled by the Bidder)

S/N	Item Description	Weightage (W)	Normalized Price Score (R)	Score Obtained (W x R)
	Appendix A – Item 1 to 26			A
	Appendix B – Item 1 to 13			B
Total Score Obtained = 70% of A + 30% of B				

Appendix D: Declaration

To: **Director**
Continuing Airworthiness Management Department
Nepal Airlines Corporation
Tribhuvan International Airport
Kathmandu Nepal

I, the undersigned, declare that

1. The offer to Repair/Refurbishment of V2527E-A5 Engine S/N V17585 installed on A320-233 aircraft Reg. No. 9N-AKW against NAC's RFQ.
2. My quotation is binding upon me and subject to the modifications resulting from contract negotiations.
3. I understand you are not bound to accept any quotation that you receive and also not bound to give any reasons whatsoever.
4. No person, firm or entity other than the bidder has any interest in this or in the proposal.
5. This offer is made by the bidder without any connection, knowledge, comparison of figures or arrangements with any other person/s or person/s making the offer for the same work and is in all respects fair and without collusion or fraud.
6. No person/s of Nepal Airlines Corporation is, has become or will be interested directly or indirectly as contracting party, partner, stockholder, surety or otherwise howsoever in or in the performance of the said contract or in the supplies work or business in connection with the said contract or in the supplies to be used there in or in any of the money to be derived therefrom.
7. I have complied fully with the Instruction to the bidder and accept all the terms thereof without any reservation
8. I commit to obtain current valid Civil Aviation Authority of Nepal's AMO Approval/ Validation Certificate, if contract is awarded.

Yours Sincerely,

Authorized Signature and Stamp:

Name and title of Signatory:

Name of Bidder:

Address:

Email:

Appendix E: Borescope Pictures of ESN V17585

