

**Council of Scientific & Industrial Research
NATIONAL AEROSPACE LABORATORIES
KODIHALLI, BENGALURU-560 017**

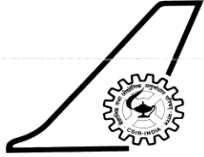
**TENDER DOCUMENT
No.CSIR-NAL/WPC-ACD&MSD/2021-23/S-VI**

**Work Package Contract for Development of speedy forming technology for aircraft parts at
MSD and QA activities of ACD at CSIR-NAL, Bengaluru**

1. Cost of Tender Document : ₹1,000/- (Non-Refundable)
(Rupees One thousand only)
2. Contract Number : CSIR-NAL/WPC-ACD&MSD/2021-23/S-VI
3. Period of Contract : Two years from 1/10/2021 to 30/09/2023
(The contract is for a period of two years.
However, initially the contract shall be
for a period of one year with a provision
to extend for subsequent year subject to
satisfactory performance)
4. In lieu of EMD : Bid Security Declaration
5. Period open for downloading of
tender documents : 04.09.2021 from 9.00 AM to
14.09.2021 till 4.00 PM
6. Last Date for receipt of Sealed Tender : 15.09.2021 till 10.00 AM
7. Date & Place of Tender Opening : 15.09.2021 at 11.00 AM at
CSIR- NAL Meeting Complex

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**Council of Scientific & Industrial Research
NATIONAL AEROSPACE LABORATORIES
KODIHALLI, BENGALURU-560 017**

NOTICE INVITING TENDER

No.CSIR-NAL/WPC-ACD&MSD/2021-23/S-VI

September 04, 2021

Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru

Sealed tenders are invited on behalf of Director, CSIR-National Aerospace Laboratories, Bengaluru from Bengaluru based, renowned, experienced, well established and registered agencies/organizations for Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru. The details of the services to be provided are as follows:-

Description of work	Validity of the contract	Cost of the tender	EMD
Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru	The contract is for a period of two years. However, initially the contract shall be for a period of one year with a provision to extend for subsequent year subject to satisfactory performance	₹1,000/- (non-refundable)	Bid Security Declaration

Eligibility criteria required for short listing of Agency apart from Service charges:

1. Agency having more than three years' experience in executing Work Package Contract to Government establishments/Public Sector Undertakings/R&D Institutions/established Private Sectors/other similar organizations
2. Based on the Clientele list provided by the agency with the performance certificates.
3. Financial status of the agency.
4. Infrastructure of the agency.

The Agencies have to meet the following statutory requirements at the time of submitting their applications.

1. Self -attested Establishment Registration Certificate.
2. Self -attested License issued by ALC, if any.
3. Self -attested Registration certificate with ESIC & EPF Authorities.
4. Self -attested Relevant experience certificate for 3-5 years with value of the contract.
5. Self -attested Copies of Income Tax Returns for last three years.
6. Self -attested GST Registration Certificate.
7. Self -attested Copy of PAN card.
8. Self-attested Professional Tax Certificate
9. Self -attested Agency's official address at Bengaluru with full details.
10. The existing clientele list
11. Bid Security Declaration
12. Any other statutory obligations as are required to be complied with from time to time.

How to apply:

The Agency fulfilling the eligibility criteria may download the tender forms from CSIR-NAL website between 04.09.2021 from 9.00 AM to 14.09.2021 till 4.00 PM. The completed tender documents in all respects along with “**Bid Security Declaration**” as per enclosed format and Cost of Tender Document for ₹1,000/- by Demand Draft/Banker’s Cheque drawn in favour of “**The Director, NAL**” payable at **Bengaluru** super-scribing the Name of the work and due date on the envelope, if sent by post, should reach the following address:

The Director
CSIR-National Aerospace Laboratories
PB No.1779, Kodihalli
HAL Airport Road
BENGALURU – 560 017

or

to be dropped in the quotation box kept at the Reception Complex/Main Gate, CSIR-NAL, Bengaluru, latest by **10.00 AM on 15.09.2021** and will be opened on the same day at **11.00 AM** at CSIR-NAL Meeting Complex, Bengaluru. If any relative of the Tenderer is an employee of CSIR-NAL, the name, designation and relationship of such employee shall be intimated in writing, while submitting the tender.

The dates to remember are indicated below:

- | | |
|--|---------------------------------|
| 1. Opening date for downloading of Tender Forms | 04.09.2021 at 9.00 AM |
| 2. Last date of downloading of Tender Forms | 14.09.2021 till 4.00 PM |
| 3. Last date of receipt of completed application/quote by post or in person | 15.09.2021 till 10.00 AM |
| 4. Opening of the tender | 15.09.2021 at 11.00 AM |

Tenders received after the specified date and time, submitted without Bid Security Declaration, Cost of Tender Document and incomplete tenders are liable to be rejected. The tenders will be opened in the presence of Agency Representatives who choose to be present.

The Director, CSIR-NAL, reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever and his decision in the matter shall be final and binding.

Sd/-
Sr CONTROLLER OF ADMINISTRATION

General Terms & Conditions

1. The Prospective Tenderers shall acquaint themselves about the requirements before submitting their tender.
2. The Scope of the Work, estimated personnel requirement and their positions, minimum emoluments for them is also part of the Tender.
3. The Agency for execution of work package contract shall deploy qualified, trained, loyal and honest personnel for the work after fulfilling the formalities of Police Verification. The number of personnel that may be required for execution of Work package is indicated under **“Personnel Requirement”**. The requirement of number of personnel to be deployed may vary if any changes are made to the Work Package by the Division at any time during the period of Contract. This is binding on the Agency. The services to be provided under Work package have to be performed with utmost care, diligently and without causing any damages to the properties of the Laboratory.
4. The Tender, Bid Security Declaration and Cost of Tender Document shall be submitted in sealed envelope marked **“Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru due on 15.09.2021 at 10.00 a.m.”**. The Tenderers may note that the envelope containing the Tender Document of those Tenderers shall be considered who have enclosed the cost of Tender Document and Bid Security Declaration.
5. The successful Tenderer should submit a Bank Guarantee issued by any Nationalised Bank in favour of Director, NAL, Bengaluru towards security deposit for an amount of ₹30,000/- (*Rupees Thirty thousand only*) which should be valid during the currency of the contract period with a grace period of 3 (three) months. The Bank Guarantee shall be returned only on satisfactory completion of the contract.
6. Tenderers should quote for the Work package exclusive of GST both in figures and words as in Annexure - III. The applicable GST is payable from time to time on the bill amount should be clearly indicated while presenting the bill of claim. The agency quoting the lowest work package rate will be considered for award of the Contract subject to fulfilling other tender criteria. No enhancement in the Work package rate will be allowed during the period of contract except on account of changes in the Work Package and that result in the changes in the deployment of personnel by the Agency. The Agency shall provide working sheet of arriving the Work package along with the quote. This will be the basis for payment either for increase or decrease in the manpower requirement as part of Work package during the period of execution.
7. The Tenderer shall quote the rates both in figures and in words. The Agency shall work out the total amount for the Work package and write both in figures and in words. On checking, if there are any differences between the rate quoted by the Tenderer in figures and in words, the amount indicated in the words will be considered as correct.
8. The tenderer who after providing ‘Bid Security Declaration’ withdraws/modify subsequently during validity period of tender shall be debarred from participating in any Tender of CSIR-NAL for a period of two years.
9. Tenderer should enclose the following documents along with the quotation ensuring that the check list as in Annexure – IV is properly completed:
 - a. Self-attested Establishment Registration Certificate.
 - b. Self-attested License issued by ALC if any.
 - c. Self-attested Registration certificate with ESIC & EPF Authorities.
 - d. Self-attested Relevant experience certificate for 3-5 years with value of the contract.

- e. Self-attested Copies of Income Tax Returns for last three years.
 - f. Self-attested GST Registration Certificate.
 - g. Self-attested Copy of PAN card.
 - h. Self-attested Professional Tax Certificate
 - i. Self-attested Agency's official address at Bengaluru with full details.
 - j. The existing clientele list
 - k. Bid Security Declaration
 - l. Any other statutory obligations as are required to be complied with from time to time.
10. The personnel engaged and deployed by the Agency are the employees of the Agency and as such they have no right to claim any compensation or regular appointment in CSIR-NAL whatsoever. The agency while deploying their manpower has to obtain an undertaking from their personnel in the prescribed format which will be provided to successful Tenderer and submit the same to the Laboratory before their deployment.
 11. Income tax will be recovered from the bills of the Agency/Contract as per applicable Government of India's orders and necessary TDS certificate will be issued.
 12. GST or any modified tax structure as applicable from time to time shall be paid to tax authorities or reimbursed, against documentary evidence of remittance as per rules on subject.
 13. The Agency shall execute an agreement on a non-judicial stamp paper of ₹200/- before taking up the Work package contract agreeing to abide by all the terms and conditions mentioned therein as per the format of the agreement.
 14. The Tenderers while quoting the rates on the printed format of the tenders obtained, should refrain from making any changes, additions, alterations and modifications to the tender. However, the Tenderers who are desirous to offer rebate, may mention the rate of rebate in their offer.
 15. In case any Tenderer gives any rebate or discount after opening of the tender, the same will not be considered and liable to be rejected. Further, such Tenderer will be blacklisted and they will not be allowed to take part in any further tendering processes for next five years.
 16. Agency shall indemnify the laboratory against all claims arising out of any action in violation of any statutory laws or regulations as per any Acts applicable to this tender.
 17. The Work Package Contract is for a period of two years. However, initially the Work Package contract shall be for a period of one year with a provision to extend for subsequent year subject to satisfactory performance and on the same terms and conditions. In case of any additional requirement of personnel due to changes in the Work package, the Agency should be able to deploy the additional personnel on similar terms and conditions. The agency shall provide the revised work package rates in the event of reduction/increase in the personnel is requested in writing on the basis of the work sheet provided by them along with the quote as indicated at point No.(6) during the period of execution on the same terms & conditions.
 18. The Agency will deploy their personnel who meet the requirements of qualification, experience specified under "*Personnel Requirement*" & "*Scope of Work*".
 19. The Director, CSIR-NAL or any other person authorized by the Director shall be at liberty to carry out surprise check to ensure that the personnel deployed by the Agency are carrying out their assigned duties. The security checks and restrictions of CSIR-NAL are applicable to the personnel deployed by the Agency.

20. Bonus to be paid to the personnel deployed by the Agency once in a year as per Government Act wherever it is applicable.
21. The Agency is responsible to maintain the Statutory Book of Accounts, Registers, Records and Files of Returns such as (1) Form A – Format of Employee Register, (2) Form B – Format for Wage Register, (3) Form C- Format of Register of Loan/Recoveries and (4) Form D- Format of Attendance Register as prescribed in the Gazette Notification dated 21.02.2017 from Ministry of Labour, GoI under the Rule 2(1) of Labour Laws, 2017 and shall produce the same on demand to the official authorized by the Director, CSIR-NAL and for the inspection by statutory authorities like EPF Commissioner, ESI Commissioner, Labour Commissioner and GST authorities etc.
22. During the period of contract, either party can terminate the contract by giving one-month notice.
23. All conditional offers will be summarily rejected.
24. The Director, CSIR-NAL, reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever and his decision in the matter shall be final and binding.
25. Except where otherwise provided, any dispute arising out of this agreement shall be referred to the sole arbitration of a person nominated by the Director, CSIR-NAL, Bengaluru, whose decision shall be final and binding on both the parties. The venue of the arbitration shall be Bengaluru and shall be under the Indian Arbitration and Conciliation Act 1996.
26. The general terms & conditions of the tender, as above, shall form part of the agreement.

Responsibilities of the Agency

I General :

1. The Agency authorized Supervisor /Contractor (himself or his supervisor) shall present himself at the site for supervision and execution of the work during working hours at no cost to CSIR-NAL. The name, age, qualification etc., of the supervisor so deployed should be intimated to Sr CoA in writing.
2. Payment will be made for the services rendered by the successful Tenderer for which the Agency has to submit a pre-receipted bill in duplicate with due certification by the Head, ACD and MS Division on monthly basis considering the accepted Work package rate.
3. The necessary documentary evidence for payment of wages and proof of statutory remittances like ESI/EPF contributions etc., wherever applicable as per Government Acts/rules to the appropriate authorities of the previous month/s in respect of personnel deployed by Agency have to be produced along with the next bill, failing which the claim of the Agency for payment of bill for succeeding month will not be entertained.
4. In case of any damage caused to the property / equipment of the Lab. by the deployed personnel of the Agency, the value of the damage, as assessed by the Officer deputed by the Director, CSIR-NAL for the purpose, shall be recovered from the Agency claim bill after due notice.
5. The Agency should ensure safety of personnel deployed by them/him during the execution of the work at the Laboratory. If any of their/his personnel happens to meet with any accident, injury or loss of life etc., the responsibility for payment of compensation under applicable Acts rests with the Agency and this Laboratory will be free from all such encumbrances.

6. The Agency to whom the Work package contract has been awarded should obtain necessary license from the Assistant Labour Commissioner (Central) within one month from the date of award of the Work package contract and submit a copy of the same to the Lab. failing which, no payment will be released until submission of license copy.
7. The Agency's personnel should strictly follow the security rules of this Laboratory, when they are at work in the Laboratories' premises.
8. The personnel engaged and deployed by the Agency for the purpose, shall work as per the working norms of the Division as required for completion of Work packages entrusted. The Agency should ensure the compliance of entitlements as per applicable Acts/rules in respect of personnel deployed by them to work in Laboratory.
9. The Agency shall ensure that their personnel employed for the work shall maintain decency and decorum while carrying out the work in the Division of the Laboratory.
10. All the personnel deployed by the Agency for the work in the Division shall be issued the necessary identity cards by the Agency and their personnel should wear the ID card and strictly comply with the security regulations during their work within the laboratory premises.
11. The personnel of the Agency shall automatically stands withdrawn on expiry/termination/cancellation of the Work Package contract. The Agency shall ensure that their personnel engaged and deployed in the Division do not create any dispute/problems to the Laboratory on expiry/termination/ cancellation of the work package contract.
12. In case any of the personnel deployed by the Agency fails to carry out the specified job or the performance of any of the deployed personnel is found to be not satisfactory, the Agency shall take immediate action to replace such personnel for timely completion of the awarded Work Package.
13. In case any of the personnel of the Agency is leaving in the middle of the month, sufficient advance intimation to be provided to the Division and replacement deployment should be ensured.
14. In case any of the personnel deployed by the Agency is required to perform duty outside Bengaluru, the Agency shall provide advance of Travelling Allowance to such deployed personnel and submit the claim bill later by enclosing the details of travel such as rail/bus ticket to laboratory for reimbursement. The reimbursable payment to the Agency shall be restricted to second class Rail / Bus fare as per applicable Rules & Regulation of the Laboratory from time to time.
15. The Agency shall ensure that their personnel deployed in CSIR-NAL are paid only through their Bank Accounts and their payment shall be made by 7th of every month and if 7th happens to be a holiday; it should be paid on the previous day.

II Other Requirements:

- a. The Agency personnel will have to work for six-days a week.
- b. The Agency deployed personnel based on project requirement may have to work extra hours.
- c. The Agency personnel must support under this Work Package Contract from 8:30 am to 5:00 pm for the Divisions or based on project requirement indicated by the Divisions.

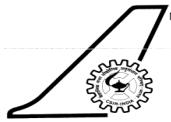
- d. Keeping in view six-day week and the longer hours of work, Agency may permit one-day leave per month to their personnel.
- e. No separate overtime allowance is payable to the Agency deployed manpower.

DECLARATION

I/We..... (Name of the Tenderer) fully agree to the above terms and conditions of the tender document.

Date:

SIGNATURE OF THE TENDERER WITH SEAL



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KODIHALLI, BENGALURU-560 017**

Scope of Work

The Scope of the Work Package contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru is as follows:

Scope of Work for Project Staff at MSD:

The candidate will be working on development of rapid and precise forming procedures for quick replacement of damaged aircraft parts. This includes the design and modelling of sheet metal forming, understanding the beam material interaction. Knowledge in beam assisted manufacturing processes like laser forming, laser welding or electron beam welding etc., is required. The candidate should have an ability of implementing his knowledge in intelligent manufacturing processes such as powder based additive manufacturing, wire arc based additive manufacturing or numerically controlled laser forming, beam enabled machining and electron beam welding.

In addition to this knowledge in area defined below are desirable:

- a) Drawing and design in CATIA, FREECAD or Solid works
- b) Simulation of thermal phenomena using FEA
- c) Understanding of microstructural evaluation associated with high energy assisted manufacturing procedures in aerospace alloys i.e. Al alloys and Ni based super alloys.

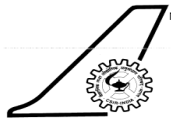
Scope of Work for Specialist Engineer at ACD:

1. Should have minimum of 5 years of experience in the activities related to Quality control and assurance in the fabrication of CFC monolithic and cocured components, metallic and composite moulds, structural assembly involving metallic and composite components of major primary aircraft structures.
2. Good practical knowledge to carry out in process inspection during composite component manufacturing in clean room. Should have thorough knowledge about clean room layup practices.
3. Knowledge in dimensional and contour inspection of CFC & metallic moulds, metallic & composite parts using Laser tracker and CMM.
4. Practical knowledge in calibration of moulds, jigs and assembly fixtures. Capability to provide in process inspection support during structural assemblies of major primary aircraft structures.
5. Experience in inspection of sheet metal parts.
6. Experience in verification of process documents to ensure compliance of quality as per the requirements of DGAQA.

Personnel Requirement

The personnel to be deployed should possess the educational qualification and experience as indicated against each category. The minimum number of personnel to be deployed for each category type for execution of work package contract is detailed below. The minimum emoluments payable to them is also indicated for each category type and this does not include employer's contribution of ESI, EPF, Bonus etc., wherever it is applicable:

Expertise Required	Qualification	No. of Person	Net Salary/ Month
Project Staff	M.E/M.Tech or equivalent in Mechanical / Manufacturing/ Industrial engineering	1	35,000
Specialist Engineer	Minimum-Diploma in Mechanical Engineering	1	45,000
	Total	2	



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1. Name of the Agency :
2. Address: (a) Permanent :
- (b) Present :
3. Approximate Annual Turnover :
4. No. of personnel employed and facilities :
5. Labour licence No. as per the Contract Labour (R&A) Act 1970. Indicate Licence No., date & other Particulars & Registration as per labour contract Act :
6. Name & Address of the Bankers for Agency :
7. Details of similar major contracts completed earlier (Experience certificate to be enclosed) :
8. Agency is in the approved list of any Govt./ Public Sector Organisation? If so, furnish particulars :
9. Income Tax finalized and paid up to latest assessment year with PAN Code (copies of last 3 years to be enclosed) :
10. GST Registration No. (copy to be enclosed) :
11. ESI & EPF Registration Certificate Nos. (Copies to be enclosed) :
12. Professional Tax code No. :
13. Any other relevant information :

I/We certify that the above information is true to the best of my/our knowledge and I /We do not have any relative of the rank of Under Secretary or equivalent working in CSIR-NAL.

SIGNATURE OF THE TENDERER

Place :

Date :

BID SECURITY DECLARATION

I/We hereby declare that I/We accept if I/We withdraw or modify bids during the period of validity of bid as per clause (8) of General Terms & Conditions of NIT, I/We will be suspended for the time specified as per clause (8) of General Terms & Conditions of NIT.

Signature of Tenderer (s) with Seal

Address: _____

QUOTE FORM

From:

To: The Director
CSIR-National Aerospace Laboratories
PB No.1779, Kodihalli, HAL Airport Road
BENGALURU – 560 017

Sub: Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru
Ref : Tender No.CSIR-NAL/WPC-ACD&MSD/2021-23/S-VI dated 04.09.2021

In response to the above and in full agreement of the terms and conditions as stipulated in the tender documents provided for the purpose, I/we hereby offer my/our services for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru under Work Package Contract inclusive of all statutory payments like ESI, EPF, Bonus etc., as applicable as per Government Acts/Rules on the subject in consideration of the indicated minimum personnel that may have to be deployed and the rate of emoluments payable to them excluding the GST at the following rate.

Description	Rate per Month	Remarks if any
Work Package Contract for Development of speedy forming technology for aircraft parts at MSD and QA activities of ACD at CSIR-NAL, Bengaluru	₹ _____ (Rupees _____) _____)	

Rebate if any : _____

Further, if Work Package contract is awarded to me/us, I/we undertake to furnish the Bank Guarantee for ₹30,000/- (Rupees Thirty thousand only) towards Security Deposit.

The Working (Calculation)sheet as indicated at point No.6 of NIT is enclosed

Date :

SIGNATURE OF THE TENDERER WITH SEAL

ANNEXURE- IV

CHECK LIST

Tenderer should enclose the following documents along with the quotation.

1	Self-attested Establishment Registration Certificate	Yes / No
2	Self-attested Licence issued by ALC	Yes / No
3	Self-attested Registration certificate with ESIC & EPF Authorities	Yes / No
4	Self-attested Relevant experience certificate for 3-5 years with value of the contract	Yes / No
5	Self-attested Copies of Income Tax Returns for last three years	Yes / No
6	Self-attested GST Registration Certificate.	Yes / No
7	Self-attested Copy of PAN card	Yes / No
8	Self-attested Professional Tax Certificate	Yes / No
9	Self-attested Agency's official address at Bengaluru with full details.	Yes / No
10	The existing and past clientele list	Yes / No
11	Bid Security Declaration	Yes / No
12	Any other statutory obligations as are required to be complied with from time to time	Yes / No

Date :

SIGNATURE OF THE TENDERER WITH SEAL
