

**PLEASE READ CAREFULLY**

- ❖ Participating bidders are required to submit bids according to instructions mentioned in bidding documents. These bids should meet the requirements / criteria illustrated in bidding documents along with fulfillment of other terms and conditions of tenders.
  
- ❖ According to PPRA rule 31 no bidder is allowed to alter or modify his bids after the bids have been opened. Moreover, as per rule 36 (vi) no amendment in the technical proposal is permitted during technical evaluation. Therefore in the light of prevailing Govt procedures, requests for amendments in quotations and clarifications leading to change of substance of bid after opening of bids cannot be accepted and bids not conforming to tender requirements are liable to be rejected.
  
- ❖ Participating bidders are therefore requested to read the bidding documents thoroughly and submit their quotes accordingly without any condition in conformance to all tender requirements including DP, Bid validity, provisioning, 10% BG confirmation etc for consideration of bid. Bid found non-conforming to tender requirements is liable to be rejected on tender opening date.



**GOVERNMENT OF PAKISTAN  
MINISTRY OF DEFENCE PRODUCTION  
PAKISTAN AERONAUTICAL COMPLEX BOARD KAMRA**

**INVITATION TO TENDER AND GENERAL INSTRUCTIONS TO BIDDERS**  
**(SINGLE STAGE TWO ENVELOPE BASIS)**

**(FOR)**

**Tender No PACB/721/100418120/0446/P-3**  
Directorate of Central Procurement  
Pakistan Aeronautical Complex Board  
Kamra Distt. Attock  
Tel: +92-051-90990-2543, 2244  
Fax: +92 (057) 9317491  
Email: [adcp@pac.org.pk](mailto:adcp@pac.org.pk)  
13 April, 2018

**PAC & PPRA Websites**

**Dear Sir,**

1. I invite you to tender for supply of store / services details in the attached **Schedule to Tender** (Form PACB -002A)

2. **CONDITION GOVERNING CONTRACTS.** The “Contract” made as a result of this Tender Inquiry shall mean the agreement entered into between the parties i.e. the “Purchaser” and the “Seller” on PACB Contract Form (PACB – 003) in accordance with the law of contract Act, 1872 and those contained in PAC purchase procedures and other special conditions that may be added to given contract for the supply of PAC stores specified therein.

3. **DELIVERY OF TENDER.**

(a) **Technical Offer:** It shall contain all relevant specifications along with essential literature / brochure in duplicate in a separate envelope and clearly marked “**Technical Offer without prices**”, tender number and date of opening.

(b) **Commercial Offer:** It shall indicate prices quoted in figures as well as in words and clearly marked on face of a separate envelope “**Commercial Offer with prices**”, tender number and date of opening.

(c) Both the “**Envelops**” of Technical and Commercial offers should be enclosed in one cover, properly sealed and bear the address of Directorate of Central Procurement (DCP) PACB Kamra with tender number and opening date. **Bid Security shall be sealed in an envelope separate from technical and financial bids.**

4. **FORM PACB - 02A & PACB - 02B:** Form **PACB - 02A & PACB - 02B** duly filled-in are to be returned with the offer duly signed by the authorized signatory person.

5. **SINGLE/MULTIPLE OFFERS:** Only one offer can be made in relevant currency for same item. Multiple rates, if quoted, will be rejected. Multiple quotation against the tender will also be rejected.

6. **DATE & TIME FOR RECEIPT OF TENDER:** The tender must reach DCP PACB Kamra by the date and time specified in the Schedule to Tender (PACB – 002A attached). Tenders received after the prescribed date and time will, NOT be entertained. The appointed time will, however fall on next working day in case of closed/forced holiday. Telegraphed / Faxed / Telexed bids will be rejected unless specifically asked for. Tender can also be sent through courier however you are required to intimate this office (DCP) regarding dispatch of quotation through courier giving details of the courier through fax so that courier service may be tracked to ensure your participation in the Tender. In case tender is despatched by courier then same should reach DCP, PAC Board at least 01 working day prior to tender opening date. You or your representative may also attend the proceeding (Name / Designation of attendees' along with copy of CNIC will be required 03 working days prior to tender opening date for arranging their entry).

7. **DELIVERY PERIOD:** Stores are required within minimum possible delivery period **01 to 03 Months but not later than 30 June, 2018**. Offers with minimum delivery period are likely to be preferred. However delivery period is to be factual as no extension will be subsequently granted except under unavoidable circumstances beyond control of SELLER or under Force Majeure for which intimation with full justification / evidences is to be dispatched well in advance for consideration.

8. **RIGHTS RESERVED:** PAC Board Kamra reserves the right to accept or reject any tender and to annul the tendering process and reject all tenders at any time prior to contract award as per rule 33 of PPRA rules 2004 without thereby incurring any liability to the affected Bidder. Moreover, past performance of the firms may also be considered.

9. **ADDITION AND DELETION OF STORE:** The purchaser has the right to increase or decrease the quantity of any item and cancellation of the contract partially or fully without any financial repercussion on either side without assigning any reason within 30 days of signing the contract. Such information will be passed on to the supplier / seller through the fastest means e.g. telephone, telegram or fax etc.

10. **VALIDITY OF QUOTATION:** The quotation be valid till **30 June, 2018**.

11. **TECHNICAL LITERATURE, SPECIFICATIONS AND INTERCHANGEABILITY:**

Offers are to be submitted in duplicate supported by brochures and technical literature in original. Offers must conform to tender specifications. A certificate of complete interchangeability must be endorsed on the quotation for all substitute or in-lieu items, otherwise the same are likely to be rejected. A copy of relevant page of publication must be attached to prove correctness of offered / interchangeable / in-lieu item. Prices of master, substitute and in-lieu items must be quoted separately. **Firms may contact**

Tel Ext 051-90990-2260, E-mail arflog@pac.org.pk or Directorate of Log, ARF PAC Karma District Attock.

12. **DEVIATION FROM SPECIFICATIONS:** Stores received at consignee, if found not conforming to the contract specifications will be rejected and replacement in accordance with contractual specifications against rejected stores would be provided to consignee as per delivery schedule laid down in the contract. The replacement will be provided without any additional cost. In case stores are rejected after delivery schedule of the contract, replacement is to be provided at the earliest or by the date advised by Directorate of Central Procurement PAC Board.

13. **PACKING:** Stores must be dispatched in standard trade packing unless otherwise specified to protect them against any damage. Any loss/damage caused due to poor packing will be recovered from the Supplier. In case items are shipped through sea, packing shall be sea worthy.

14. **RESTRICTION OF EXPORT / IMPORT LICENSE:** Offer subject to restriction of Import/Export License will not be entertained.

15. **APPLICATION OF OFFICIAL SECRET ACT 1923:** All matters connected with this inquiry and subsequent actions arising thereafter fall within the scope of the Pakistan Official Secret Act 1923 which forbid providing contractual information to un-authorized / un-concerned person / organization. It is therefore, requested to ensure complete secrecy regarding documents and stores concerned with the inquiry to limit the number of employees having accesses to this information.

16. **EXAMINATION OF SPECIFICATION / SAMPLES:** When sealed pattern of stores are mentioned in the "Schedule to Tender" these may be seen at the place stated in the schedule and should be examined by you, or competent person on your behalf before the submission of tender.

17. **QUOTING OF PRICES:** Prices are to be quoted as follows: -

(a) FOR price of the stores (Line Item Wise).

(b) The prices must be stated for each item separately both in figures and words. Additional information if any must be linked with entries on the Schedule to Tender (Form PACB – 002A).

(c) Shelf / installation life of each item (if applicable) is to be mentioned separately.

18. **PRICES:** The prices quoted must be per unit of issue / accounting unit as shown in the "Schedule to Tender" inclusive of sales tax/excise duty and surcharges. The breakdown of taxes/excise duty is to indicated separately. The prices must be stated for each item separately both in figures and words in Pak currency. Over writing / erasing in prices will be rejected. Mention GST separately.

**19. COUNTRY OF MANUFACTURE:** Country /place of manufacture of stores is to be provided alongwith offer.

**20. DISQUALIFICATION:** Offers are liable to be rejected if:-

- (a) There is deviation from any instruction described in this invitation to tender.
- (b) Offers are found conditional or incomplete in any respect.
- (c) Multiple quotations against the tender.
- (d) Multiple rates are quoted against one item.
- (e) Manufacturer relevant brochure is not attached (in case of equipment or major assemblies of equipment).
- (f) Form PACB-002A, PACB-002B & PACB-002C duly filled – in and signed by the Bidders are not received with the offer.
- (g) Offer received later than appointed date and time.
- (h) Tender specification if not conforming to the offer. In case of equipment/ major assemblies manufacturer's brochures shows specifications different from those given in tender.
- (j) Offer subject to restriction of Export License.
- (k) Over writing / erasing in prices.
- (l) Change in prices by the supplier after opening of commercial offers unless asked by Directorate of Central Procurement PAC Board.
- (m) Validity of offer is not quoted as required in IT or made subject to confirmation later.
- (n) Offers not accompanied with prescribed tender / Challan fee of Rs. 100/-
- (p) Bid Security not provided.
- (q) Offer with Prior sale condition.

**21. PAYMENT:**

100% on CRV's with 10% Performance Bank Guarantee.

**22. DOCUMENTS REQUIRED:** Following information's / copies of document must be provided with Tender: -

- (a) Photo copies of valid registration and indexation of foreign principal with PACB/DGDP applicable to the store / equipment offered.
- (b) A copy of letter showing firm's financial capability. Bank statement for last 01 year and other details to ascertain financial capability of firm.
- (c) Copies of audited accounts of the company for the last two accounting years that are prepared in accordance with the International Accounting Standards (IAS).
- (d) Photo copies of General Index number (GID), National Tax number (NTN), Sales Tax registration certificate. Foreign firms are required to provide copy of the company's valid Tax Compliance certificate issued by Revenue Authority of the domiciled country, valid as at the tender closing date.
- (e) Documentary evidence of the company's registration details / Certificate of Incorporation (Legal structure) by a recognized body in the domiciled country. Registration number issued by respective Department of Commerce or concerned department authorising to deal in subject store and export of store.
- (f) List and evidence of certification from recognized international bodies like ISO.
- (g) List of major clients and references (complete with names of contact persons, address and telephone numbers) of which the company has supplied similar items in the last 05 years. Number of years in the business or dealing in similar items may also be mentioned.
- (h) Firm/Supplier name, complete address, contact numbers, and email addresses.
- (j) Undertaking that their firm and their proprietors have not been in litigation/blacklisted by any Govt./Semi-Govt/Autonomous body.
- (k) Any other document if required during procurement proceedings according to Rule 17 of PPRA rules 2004.

**Note: Security clearance of firm is mandatory before participation in tender. Firms having applied for security clearance or those intend to apply for security clearance soon after tender date can also participate in tender after submission of following additional documents. However firm will be required to apply for security clearance immediately after tender submission:-**

- (a) In case of foreign supplier photocopy of resident card, passport or equivalent identification card of person signing the tender is to be provided along with 02 passport size photographs.
- (b) Local agents / firms have to submit the copy of CNIC and 02 passport size photographs of person signing tender.

(c) Letter of authorisation from the Manufacturer confirming that the bidder is authorized to deal with the item quoted.

**23. SECURITY DEPOSIT / BANK GUARANTEE:**

To ensure timely and correct supply of stores / services, the firm shall furnish an unconditional bank guarantee (BG) from a scheduled bank of Pakistan for an amount up to 10% of the contract value on a judicial stamp paper of the value of (Rs 100.00) as per prescribed format in the currency same as of contract. The bank guarantee shall be endorsed in favour of CMA (ISO) who is the accounts officer specified in the contract. CMA (ISO) have the like power of seeking encashment at site of the bank guarantee as if the same has been demanded by the purchaser himself. The bank guarantee shall be submitted by the supplier at the time of Contract signing and will remain valid for up to 60 days after completion of warranty period and remain in force till one year ahead of the date given in the contract. If period of contract is extended, the supplier shall arrange the extension of bank guarantee within 30 days after the original period to keep its validity always one year ahead of the extended period.

**24. INSPECTION / ACCEPTANCE OF STORES:**

(a) Stores will be accepted at firm's premises/consignee by the inspector / Inspection officer of the PAC Board.

(b) Warranty / Guarantee as per format for period of one year will be applicable for stores commencing from the acceptance of store / installation at consignee.

**25. CHECKING OF STORE:** Store will be checked at consignee in the presence of representative of Supplier if he arrives within 15 days after initiation of letter.

**26. TENDER OPENING:** Only authorized person of firm will be allowed to attend tender opening.

**27. WITHDRAWAL OF OFFER:** If the firm withdraws its offer or backs out from providing items won by the firm within validity period at any stage of contract finalization, the Competent Authority may place such firm under Embargo for a period of six months, which may extend upto one year / forfeit the earnest money.

**28. TREASURY CHALLAN:** Offer must be accompanied by Challan Form No. F-32A of Rs, 100/- obtained from State Bank of Pakistan/ Govt treasury under "**Departmental Receipt Major Head 1221000**" CMA (ISO's) Rawalpindi on behalf of "Director Central Procurement PAC Board Kamra". Only one offer can be made for same item on one Challan. Multiple offer / rates, if quoted will be rejected.

**29. SEQUENCE OF QUOTATION:** Quotation must be prepared according to the item serial no sequence of Schedule to Tender (Form **PACB-002A**).

**30. FAX QUOTATION:** Fax / Email quotations will not be accepted except when specifically called for under emergency / urgency, however, Fax / Email quotation, if received will only be considered subject to condition that original Performa invoice for each quotation is received within 7 days of Tender Inquiry opening or as advised by

procurement agency. In case original quotation is not received within specified time, the offer will be excluded from the competition without any notice to bidder.

**31. BID SECURITY:** The Bid Security@ 5% (not exceeding 0.500 M) will be deposited by all firms. Bid Security will be deposited in favour of CMA (ISO) in the form of CDR / Pay order / Demand draft only at the time of tenders opening (with technical quotation), in a separate envelope. Bid Security will be returned to all firms except three commercially lowest bidding firms on finalization of commercial quotes. Whereas Bid Security to the 2nd and 3rd commercially lowest bidders will be returned on signing of the contract. Bid Security of the contract concluding firm will be returned on submission of bank guarantee and on receipt of performance bank guarantee acceptance certificate from CMA. Quotations once submitted cannot be withdrawn (Partially/Fully) during validity of the quotation. Firms not complying with the said instructions would be liable for disciplinary action beside forfeiture of the earnest money.

**Note: - No Quote will be accepted without Bid Security which will be as per IT clause 31. However, Bid Security must be provided in shape of CDR / Pay order / Demand draft only otherwise your quotation will be rejected.**

**32. FORCE MAJEURE**

“Force Majeure” means any event, act / or other circumstances not being an event, act or circumstances, under the control of the Purchaser or of the Seller. The Seller will notify the Purchaser in writing of any such event within 15 days by Fax/Telex/Telegram of its commencement, which is relied upon by the Seller for its failure to comply with its obligation. The Purchaser have the right to conduct investigations to satisfy itself about the genuineness of the “Force Majeure” event Non-availability of raw material for the manufacture of stores, or of export permit for the export of the contracted stores from the country of its origin, not constitute “Force Majeure”.

**33. ARBITRATION**

All matters of dispute or difference, except regarding rejection of stores / Services by the inspector and or cancellation of the contract by the Purchaser arising out of this contract between the parties hereto, shall be settled by mutual agreement, failing which they shall refer for Arbitration to a final settlement by an Arbitration Tribunal, in Pakistan. The dispute shall be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree a judge of the Superior Court of Pakistan will be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistan Law & Arbitration Act, 1940. Arbitration award will be firm and final and unchallengeable in any court of law.

**34. LITIGATION**

In case of any dispute only Court of Jurisdiction at Attock Pakistan will have the Jurisdiction to decide the matter.



**35. RISK PURCHASE**

In the event of failure on the part of the Seller to comply with the contractual obligations, the contract is liable to be cancelled at his risk and expense in accordance with General Condition Governing Contracts.

**36. LATE DELIVERY**

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 take following actions:-

- (a) Cancel the contract, and/or.
- (b) To purchase from elsewhere stores not delivered, at the risk and expense of the Supplier and without notice to him, or
- (c) To recover liquidated damages when the Competent Purchase Officer is satisfied that the failure to supply the stores / services within the scheduled delivery period has been for reasons within the control of the Supplier, and/or if the Government has suffered loss for reasons of belated delivery. These liquidated damages, if imposed, will be recovered at the rate of up to 2% but not less than 1% (depending on the merit of the case as decided by Competent Purchase Officer) of the value of stores / service supplied late per month or a part of a month for the period exceeding the original delivery period, subject to the provision that the total liquidated damages thus imposed will not exceed 10% of the total value of the stores / services delivered late.
- (d) The purchaser's decision under this clause shall NOT be subjected to arbitration.

**37. AUTHORITY TO SIGN DOCUMENTS:** Tender must be accompanied by Letter of Authorization to sign the Tender on behalf of the Bidder. Bidder must prove that the person who signs this Tender is fully authorized to bind his establishment / company. Such proof shall be in the form of clear official documents fully legalized by designated authorities in respective countries.

**38. BIDDING CLARIFICATIONS TO TENDER:** In case any clarification is required regarding tender, firm may contact on following address however, queries in regards to the tender shall only be entertained till one week prior to the deadline for submission of tenders.

**Technical Clarification:** Directorate of Log ARF PAC Kamra Tel No 051-90990-2260 (Email: arflog@pac.org.pk).

**Bidding / Contracting Procedure:** Directorate of Central Procurement PAC Board Kamra Tel No 051-90990-2543 (Email: adcp@pac.org.pk).

**39. REGISTERED SUPPLIER WITH FBR:**

(a) Only registered supplier who are on Active Taxpayers List (ATL) of FBR eligible to supply goods / services Government Department.

(b) The payment to the registered persons will be linked with the active taxpayer status of the suppliers as per FBR database if any registered supplier is not in ATL his payment should be stopped till he files his mandatory returns and appears on ATL of FBR.

Yours sincerely,

**(IMRAN BIN IRFAN)**  
Squadron Leader  
Dy Dir Central Proc  
PAC Board Kamra  
Tel Ext: 2576

Enclosure:-

SCHEDULE TO TENDER	Form (PACB – 02A)
UNDERTAKEN	Form (PACB – 02B)
QUESTIONNAIRE	Form (PACB – 02C)
SCHEDULE OF STORE	Annex 'A'
DETAILS OF BANK GUARANTEE	Annex 'B'

**SCHEDULE OF STORES**Tender Inquiry No: - **PACB/721/100418120/0446/P-3**

TENDER SUBMISSION TIME: - Before 1030 Hrs on opening date

TIME & DATE OF OPENING **1100 Hrs on 30-04-2018**

**(Note:** Firms are requested to read carefully all the paras of IT. Moreover, unit price against same unit of issue as mentioned in IT is to be provided. However, if any change may be required in unit of issue the price must be converted as per IT's unit of issue in separate column. Furthermore, conversion of unit of issue and unit price must be mentioned in commercial quote.)

**PROC OF ITEMS  
(L/Items-361)**

**(AS PER FOLLOWING DETAIL)**

Bulkhead		MUFS-BH		
S.No	Part Number	Part Name	Technical Specification	Qty
1	MUFS-BH-01	Bulkhead 1	Length: 495 mm Width: 40 mm Height: 514 mm Material: 7050 T7451	1
2	MUFS-BH-02	Bulkhead 2	Length: 943 mm Width: 40 mm Height: 535 mm Material: 7050 T7451	1
3	MUFS-BH-03	Bulkhead 3	Length: 1025 mm Width: 40 mm Height: 610 mm Material: 7050 T7451	1
4	MUFS-BH-04	Bulkhead 4	Length: 940 mm Width: 40 mm Height: 584 mm Material: 7050 T7451	1
5	MUFS-BH-05	Bulkhead 5	Length: 870 mm Width: 40 Height: 770 mm Material: 7050 T7451	1
6	MUFS-BH-06	Bulkhead 6	Length: 820 mm Width: 40 Height: 605 mm Material: 7050 T7451	1

7	MUFS-BH-07	Bulkhead 7	Length: 940 mm Width: 40 mm Height: 723 mm Material: 7050 T7451	1
8	MUFS-BH-08	Bulkhead 8	Length: 904 mm Width: 40 mm Height: 728 mm Material: 7050 T7451	1
9	MUFS-BH-09	Bulkhead 9	Length: 855 mm Width: 40 mm Height: 740 mm Material: 7050 T7451	1
10	MUFS-BH-10	Bulkhead 10	Length: 870 mm Width: 40 mm Height: 635 mm Material: 7050 T7451	1
11	MUFS-BH-11	Bulkhead 11	Length: 940 mm Width: 40 mm Height: 740 mm Material: 7050 T7451	1
12	MUFS-BH-12	Bulkhead 12	Length: 935 mm Width: 40 mm Height: 740 mm Material: 7050 T7451	1
13	MUFS-BH-13	Bulkhead 13	Length: 869 mm Width: 40 mm Height: 770 mm Material: 7050 T7451	1
<b>Electronic Tray</b>				
14	MUFS-ET-01	Electronic Tray 1	Length: 620 mm Width: 870 mm Height: 2 mm Material: 2024 T4	1
15	MUFS-ET-02	Electronic Tray 2	Length: 470 mm Width: 870 mm Height: 2 mm Material: 2024 T4	1
16	MUFS-ET-03	Electronic Tray 3	Length: 750 mm Width: 900 mm Height: 2 mm Material: 2024 T4	1
17	MUFS-ET-04	Electronic Tray 4	Length: 715 mm Width: 780 mm Height: 2 mm Material: 2024 T4	1

18	MUFS-ET-05	Electronic Tray 5	Length: 620 mm Width: 770 mm Height: 2 mm Material: 2024 T4	1
<b>Electronic Tray Support</b>				
19	MUFS-ETS-01	Electronic Tray Support 1	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
20	MUFS-ETS-02	Electronic Tray Support 2	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
21	MUFS-ETS-03	Electronic Tray Support 3	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
22	MUFS-ETS-04	Electronic Tray Support 4	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
23	MUFS-ETS-05	Electronic Tray Support 5	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
24	MUFS-ETS-06	Electronic Tray Support 6	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
25	MUFS-ETS-07	Electronic Tray Support 7	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
26	MUFS-ETS-08	Electronic Tray Support 8	Length: 710 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
27	MUFS-ETS-09	Electronic Tray Support 9	Length: 785 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
28	MUFS-ETS-10	Electronic Tray Support 10	Length: 785 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1

29	MUFS-ETS-11	Electronic Tray Support 11	Length: 785 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
30	MUFS-ETS-12	Electronic Tray Support 12	Length: 785 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
31	MUFS-ETS-13	Electronic Tray Support 13	Length: 750 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
32	MUFS-ETS-14	Electronic Tray Support 14	Length: 750 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
33	MUFS-ETS-15	Electronic Tray Support 15	Length: 750 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
34	MUFS-ETS-16	Electronic Tray Support 16	Length: 750 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
35	MUFS-ETS-17	Electronic Tray Support 17	Length: 705 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
36	MUFS-ETS-18	Electronic Tray Support 18	Length: 705 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
37	MUFS-ETS-19	Electronic Tray Support 19	Length: 705 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
38	MUFS-ETS-20	Electronic Tray Support 20	Length: 705 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
39	MUFS-ETS-21	Electronic Tray Support 21	Length: 550 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1

40	MUFS-ETS-22	Electronic Tray Support 22	Length: 550 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
41	MUFS-ETS-23	Electronic Tray Support 23	Length: 1185 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
42	MUFS-ETS-24	Electronic Tray Support 24	Length: 1185 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
43	MUFS-ETS-25	Electronic Tray Support 25	Length: 730 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
44	MUFS-ETS-26	Electronic Tray Support 26	Length: 730 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
45	MUFS-ETS-27	Electronic Tray Support 27	Length: 730 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
46	MUFS-ETS-28	Electronic Tray Support 28	Length: 730 mm Width: 20 mm Height: 24 mm Material: 2024 T4	1
47	MUFS-ETS-29	Electronic Tray Support 29	Length: 680 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
48	MUFS-ETS-30	Electronic Tray Support 30	Length: 680 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
49	MUFS-ETS-31	Electronic Tray Support 31	Length: 680 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
50	MUFS-ETS-32	Electronic Tray Support 32	Length: 680 mm Width: 30 mm Height: 30 mm Material: 2024 T4	1
<b>Landing Gear</b>				

51	MUFS-NLG-01	Nose Landing Gear	Wheel Track: 2250 mm Wheel base: 3850 mm Height: 1000 mm	1
52	MUFS-MLG-02	Main Landing Gear Left	Wheel Track: 2250 mm Wheel base: 3850 mm Height: 1000 mm	1
53	MUFS-MLG-03	Main Landing Gear Right	Wheel Track: 2250 mm Wheel base: 3850 mm Height: 1000 mm	1
<b>Wing Spars</b>		<b>MUWS-SP</b>		
<b>S.No</b>	<b>Part Number</b>	<b>Part Name</b>	<b>Technical Specification</b>	<b>Qty</b>
54	MUWS-SP-01A	Left Wing 1st Spar Inboard	Length: 1612 mm Width: 81 mm Height: 165 mm Material: 7050 T7451	1
55	MUWS-SP-01B	Left Wing 1st Spar Middle	Length: 2800 mm Width: 80 mm Height: 162 mm Material: 7050 T7451	1
56	MUWS-SP-02A	Left Wing 2nd Spar Inboard	Length: 1550 mm Width: mm Height: 112 mm Material: 7050 T7451	1
57	MUWS-SP-02B	Left Wing 2nd Spar Middle	Length: 2800 mm Width: 55 mm Height: 77 mm Material: 7050 T7451	1
58	MUWS-SP-03A	Left Wing 3rd Spar Flap Inboard	Length: 1620 mm Width: 15 mm Height: 73 mm Material: 7050 T7451	1
59	MUWS-SP-03B	Left Wing 3rd Spar Flap Outboard	Length: 1620 mm Width: 15 mm Height: 73 mm Material: 7050 T7451	1
60	MUWS-SP-03C	Left Wing 3rd Spar Aileron Inboard	Length: 1100 mm Width: 15 mm Height: 40 mm Material: 7050 T7451	1
61	MUWS-SP-03D	Left Wing 3rd Spar Aileron Outboard	Length: 1100 mm Width: 15 mm Height: 40 mm Material: 7050 T7451	1



62	MUWS-SP-04A	Right Wing 4th Spar Inboard	Length: 1612 mm Width: 81 mm Height: 165 mm Material: 7050 T7451	1
63	MUWS-SP-04B	Right Wing 4th Spar Middle	Length: 2800 mm Width: 80 mm Height: 162 mm Material: 7050 T7451	1
64	MUWS-SP-05A	Right Wing 5th Spar Inboard	Length: 1550 mm Width: mm Height: 112 mm Material: 7050 T7451	1
65	MUWS-SP-05B	Right Wing 5th Spar Middle	Length: 2800 mm Width: 55 mm Height: 77 mm Material: 7050 T7451	1
66	MUWS-SP-06A	Right Wing 6th Spar Flap Inboard	Length: 1620 mm Width: 15 mm Height: 73 mm Material: 7050 T7451	1
67	MUWS-SP-06B	Right Wing 6th Spar Flap Outboard	Length: 1620 mm Width: 15 mm Height: 73 mm Material: 7050 T7451	1
68	MUWS-SP-06C	Right Wing 6th Spar Aileron Inboard	Length: 1100 mm Width: 15 mm Height: 40 mm Material: 7050 T7451	1
69	MUWS-SP-06D	Right Wing 6th Spar Aileron Outboard	Length: 1100 mm Width: 15 mm Height: 40 mm Material: 7050 T7451	1
<b>Left Wing Ribs</b>				
70	MUWS-RB-01A	Left Wing Rib 1 Front	Length: 100 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
71	MUWS-RB-01B	Left Wing Rib 1 Middle	Length: 230 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
72	MUWS-RB-01C	Left Wing Rib 1 Rear	Length: 130 mm Width: 15 mm Height: 40 mm Material: 2024 T4	1

73	MUWS-RB-02A	Left Wing Rib 2 Front	Length: 100 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
74	MUWS-RB-02B	Left Wing Rib 2 Middle	Length: 250 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
75	MUWS-RB-02C	Left Wing Rib 2 Rear	Length: 100 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
76	MUWS-RB-03C	Left Wing Rib 3 Rear	Length: 70 mm Width: 15 mm Height: 25 mm Material: 2024 T4	1
77	MUWS-RB-04A	Left Wing Rib 4 Front	Length: 105 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
78	MUWS-RB-04B	Left Wing Rib 4 Middle	Length: 250 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
79	MUWS-RB-04C	Left Wing Rib 4 Rear	Length: 40 mm Width: 15 mm Height: 45 mm Material: 2024 T4	1
80	MUWS-RB-05C	Left Wing Rib 5 Rear	Length: 80 mm Width: 15 mm Height: 30 mm Material: 2024 T4	1
81	MUWS-RB-06A	Left Wing Rib 6 Front	Length: 110 mm Width: 20 mm Height: 75 mm Material: 2024 T4	1
82	MUWS-RB-06B	Left Wing Rib 6 Middle	Length: 265 mm Width: 20 mm Height: 75 mm Material: 2024 T4	1
83	MUWS-RB-06C	Left Wing Rib 6 Rear	Length: 45 mm Width: 20 mm Height: 50 mm Material: 2024 T4	1

84	MUWS-RB-07C	Left Wing Rib 7 Rear	Length: 95 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
85	MUWS-RB-08A	Left Wing Rib 8 Front	Length: 120 mm Width: 30 mm Height: 80 mm Material: 2024 T4	1
86	MUWS-RB-08B	Left Wing Rib 8 Middle	Length: 285 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
87	MUWS-RB-08C	Left Wing Rib 8 Rear	Length: 45 mm Width: 30 mm Height: 50 mm Material: 2024 T4	1
88	MUWS-RB-09C	Left Wing Rib 9 Rear	Length: 105 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
89	MUWS-RB-10C	Left Wing Rib 10 Rear	Length: 105 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
90	MUWS-RB-11A	Left Wing Rib 11 Front	Length: 125 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
91	MUWS-RB-11B	Left Wing Rib 11 Middle	Length: 300 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
92	MUWS-RB-11C	Left Wing Rib 11 Rear	Length: 50 mm Width: 30 mm Height: 55 mm Material: 2024 T4	1
93	MUWS-RB-12C	Left Wing Rib 12 Rear	Length: 110 mm Width: 15 mm Height: 38 mm Material: 2024 T4	1
94	MUWS-RB-13A	Left Wing Rib 13 Front	Length: 135 mm Width: 30 mm Height: 92 mm Material: 2024 T4	1

95	MUWS-RB-13B	Left Wing Rib 13 Middle	Length: 322 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
96	MUWS-RB-13C	Left Wing Rib 13 Rear	Length: 50 mm Width: 30 mm Height: 60 mm Material: 2024 T4	1
97	MUWS-RB-14A	Left Wing Rib 14 Front	Length: 140 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
98	MUWS-RB-14B	Left Wing Rib 14 Middle	Length: 335 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
99	MUWS-RB-14C	Left Wing Rib 14 Rear	Length: 55 mm Width: 30 mm Height: 59 mm Material: 2024 T4	1
100	MUWS-RB-15C	Left Wing Rib 15 Rear	Length: 123 mm Width: 15 mm Height: 43 mm Material: 2024 T4	1
101	MUWS-RB-16C	Left Wing Rib 16 Rear	Length: 133 mm Width: 15 mm Height: 45 mm Material: 2024 T4	1
102	MUWS-RB-17A	Left Wing Rib 17 Front	Length: 147 mm Width: 30 mm Height: 102 mm Material: 2024 T4	1
103	MUWS-RB-17B	Left Wing Rib 17 Middle	Length: 335 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
104	MUWS-RB-17C	Left Wing Rib 17 Rear	Length: 216 mm Width: 30 mm Height: 65 mm Material: 2024 T4	1
105	MUWS-RB-18A	Left Wing Rib 18 Front	Length: 157 mm Width: 30 mm Height: 110 mm Material: 2024 T4	1

106	MUWS-RB-18B	Left Wing Rib 18 Middle	Length: 378 mm Width: 30 mm Height: 110 mm Material: 2024 T4	1
107	MUWS-RB-18C	Left Wing Rib 18 Rear	Length: 230 mm Width: 30 mm Height: 70 mm Material: 2024 T4	1
108	MUWS-RB-19A	Left Wing Rib 19 Front	Length: 167 mm Width: 30 mm Height: 115 mm Material: 2024 T4	1
109	MUWS-RB-19B	Left Wing Rib 19 Middle	Length: 400 mm Width: 30 mm Height: 115 mm Material: 2024 T4	1
110	MUWS-RB-19C	Left Wing Rib 19 Rear	Length: 247 mm Width: 30 mm Height: 75 mm Material: 2024 T4	1
111	MUWS-RB-20A	Left Wing Rib 20 Front	Length: 75 mm Width: 30 mm Height: 117 mm Material: 2024 T4	1
112	MUWS-RB-20B	Left Wing Rib 20 Middle	Length: 420 mm Width: 30 mm Height: 117 mm Material: 2024 T4	1
113	MUWS-RB-20C	Left Wing Rib 20 Rear	Length: 260 mm Width: 30 mm Height: 77 mm Material: 2024 T4	1
114	MUWS-RB-21A	Left Wing Rib 21 Front	Length: 185 mm Width: 30 mm Height: 125 mm Material: 2024 T4	1
115	MUWS-RB-21B	Left Wing Rib 21 Middle	Length: 440 mm Width: 30 mm Height: 125 mm Material: 2024 T4	1
116	MUWS-RB-21C	Left Wing Rib 21 Rear	Length: 277 mm Width: 30 mm Height: 80 mm Material: 2024 T4	1

117	MUWS-RB-22C	Left Wing Rib 22 Rear	Length: 180 mm Width: 15 mm Height: 57 mm Material: 2024 T4	1
118	MUWS-RB-23C	Left Wing Rib 23 Rear	Length: 187 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
119	MUWS-RB-24A	Left Wing Rib 24 Front	Length: 195 mm Width: 35 mm Height: 130 mm Material: 2024 T4	1
120	MUWS-RB-24B	Left Wing Rib 24 Middle	Length: 462 mm Width: 35 mm Height: 128 mm Material: 2024 T4	1
121	MUWS-RB-24C	Left Wing Rib 24 Rear	Length: 65 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1
122	MUWS-RB-25A	Left Wing Rib 25 Front	Length: 205 mm Width: 40 mm Height: 135 mm Material: 2024 T4	1
123	MUWS-RB-25B	Left Wing Rib 25 Middle	Length: 485 mm Width: 40 mm Height: 132 mm Material: 2024 T4	1
124	MUWS-RB-25C	Left Wing Rib 25 Rear	Length: 70 mm Width: 40 mm Height: 88 mm Material: 2024 T4	1
125	MUWS-RB-26C	Left Wing Rib 26 Rear	Length: 215 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
126	MUWS-RB-27A	Left Wing Rib 27 Front	Length: 215 mm Width: 45 mm Height: 140 mm Material: 2024 T4	1
127	MUWS-RB-27B	Left Wing Rib 27 Middle	Length: 510 mm Width: 45 mm Height: 140 mm Material: 2024 T4	1

128	MUWS-RB-27C	Left Wing Rib 27 Rear	Length: 71 mm Width: 45 mm Height: 92 mm Material: 2024 T4	1
129	MUWS-RB-28C	Left Wing Rib 28 Rear	Length: 225 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
130	MUWS-RB-29C	Left Wing Rib 29 Rear	Length: 225 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
131	MUWS-RB-30A	Left Wing Rib 30 Front	Length: 225 mm Width: 40 mm Height: 150 mm Material: 2024 T4	1
132	MUWS-RB-30B	Left Wing Rib 30 Middle	Length: 415 mm Width: 40 mm Height: 148 mm Material: 2024 T4	1
133	MUWS-RB-30C	Left Wing Rib 30 Rear	Length: 75 mm Width: 40 mm Height: 95 mm Material: 2024 T4	1
134	MUWS-RB-31C	Left Wing Rib 31 Rear	Length: 235 mm Width: 15 mm Height: 75 mm Material: 2024 T4	1
135	MUWS-RB-32A	Left Wing Rib 32 Front	Length: 235 mm Width: 65 mm Height: 157 mm Material: 2024 T4	1
136	MUWS-RB-32B	Left Wing Rib 32 Middle	Length: 550 mm Width: 65 mm Height: 152mm Material: 7050 T7452	1
137	MUWS-RB-32C	Left Wing Rib 32 Rear	Length: 77 mm Width: 65 mm Height: 100 mm Material: 7050 T7453	1
138	MUWS-RB-33A	Left Wing Rib 33 Front	Length: 255 mm Width: 40 mm Height: 165 mm Material: 7050 T7453	1

139	MUWS-RB-33B	Left Wing Rib 33 Middle	Length: 535 mm Width: 40 mm Height: 160 mm Material: 7050 T7453	1
140	MUWS-RB-33C	Left Wing Rib 33 Rear	Length: 90 mm Width: 40 mm Height: 105 mm Material: 7050 T7453	1
141	MUWS-RB-34C	Left Wing Rib 34 Rear	Length: 260 mm Width: 15 mm Height: 82 mm Material: 7050 T7453	1
142	MUWS-RB-35A	Left Wing Rib 35 Front	Length: 290 mm Width: 40 mm Height: 172 mm Material: 7050 T7453	1
143	MUWS-RB-35B	Left Wing Rib 35 Middle	Length: 535 mm Width: 40 mm Height: 165 mm Material: 7050 T7453	1
144	MUWS-RB-35C	Left Wing Rib 35 Rear	Length: 107 mm Width: 40 mm Height: 112 mm Material: 7050 T7453	1
145	MUWS-RB-36C	Left Wing Rib 36 Rear	Length: 272 mm Width: 15 mm Height: 87 mm Material: 7050 T7453	1
146	MUWS-RB-37A	Left Wing Rib 37 Front	Length: 297 mm Width: 65 mm Height: 180 mm Material: 7050 T7453	1
147	MUWS-RB-37B	Left Wing Rib 37 Middle	Length: 548 mm Width: 65 mm Height: 177 mm Material: 7050 T7453	1
148	MUWS-RB-37C	Left Wing Rib 37 Rear	Length: 425 mm Width: 65 mm Height: 117 mm Material: 7050 T7453	1
<b>Right Wing Ribs</b>				
149	MUWS-RB-38A	Right Wing Rib 38 Front	Length: 297 mm Width: 65 mm Height: 180 mm Material: 7050 T7453	1



150	MUWS-RB-38B	Right Wing Rib 38 Middle	Length: 548 mm Width: 65 mm Height: 177 mm Material: 7050 T7453	1
151	MUWS-RB-38C	Right Wing Rib 38 Rear	Length: 425 mm Width: 65 mm Height: 117 mm Material: 7050 T7453	1
152	MUWS-RB-39C	Right Wing Rib 39 Rear	Length: 272 mm Width: 15 mm Height: 87 mm Material: 7050 T7453	1
153	MUWS-RB-40A	Right Wing Rib 40 Front	Length: 290 mm Width: 40 mm Height: 172 mm Material: 7050 T7453	1
154	MUWS-RB-40B	Right Wing Rib 40 Middle	Length: 535 mm Width: 40 mm Height: 165 mm Material: 7050 T7453	1
155	MUWS-RB-40C	Right Wing Rib 40 Rear	Length: 107 mm Width: 40 mm Height: 112 mm Material: 7050 T7453	1
156	MUWS-RB-41C	Right Wing Rib 41 Rear	Length: 260 mm Width: 15 mm Height: 82 mm Material: 7050 T7453	1
157	MUWS-RB-42A	Right Wing Rib 42 Front	Length: 255 mm Width: 40 mm Height: 165 mm Material: 7050 T7453	1
158	MUWS-RB-42B	Right Wing Rib 42 Middle	Length: 535 mm Width: 40 mm Height: 160 mm Material: 7050 T7453	1
159	MUWS-RB-42C	Right Wing Rib 42 Rear	Length: 90 mm Width: 40 mm Height: 105 mm Material: 7050 T7453	1
160	MUWS-RB-43A	Right Wing Rib 43 Front	Length: 235 mm Width: 65 mm Height: 157 mm Material: 2024 T4	1

161	MUWS-RB-43B	Right Wing Rib 43 Middle	Length: 550 mm Width: 65 mm Height: 152mm Material: 7050 T7452	1
162	MUWS-RB-43C	Right Wing Rib 43 Rear	Length: 77 mm Width: 65 mm Height: 100 mm Material: 7050 T7453	1
163	MUWS-RB-44C	Right Wing Rib 44 Rear	Length: 235 mm Width: 15 mm Height: 75 mm Material: 2024 T4	1
164	MUWS-RB-45A	Right Wing Rib 45 Front	Length: 225 mm Width: 40 mm Height: 150 mm Material: 2024 T4	1
165	MUWS-RB-45B	Right Wing Rib 45 Middle	Length: 415 mm Width: 40 mm Height: 148 mm Material: 2024 T4	1
166	MUWS-RB-45C	Right Wing Rib 45 Rear	Length: 75 mm Width: 40 mm Height: 95 mm Material: 2024 T4	1
167	MUWS-RB-46C	Right Wing Rib 46 Rear	Length: 225 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
168	MUWS-RB-47C	Right Wing Rib 47 Rear	Length: 225 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
169	MUWS-RB-48A	Right Wing Rib 48 Front	Length: 215 mm Width: 45 mm Height: 140 mm Material: 2024 T4	1
170	MUWS-RB-48B	Right Wing Rib 49 Middle	Length: 510 mm Width: 45 mm Height: 140 mm Material: 2024 T4	1
171	MUWS-RB-48C	Right Wing Rib 49 Rear	Length: 71 mm Width: 45 mm Height: 92 mm Material: 2024 T4	1

172	MUWS-RB-49C	Right Wing Rib 49 Rear	Length: 215 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
173	MUWS-RB-50A	Right Wing Rib 50 Front	Length: 205 mm Width: 40 mm Height: 135 mm Material: 2024 T4	1
174	MUWS-RB-50B	Right Wing Rib 50 Middle	Length: 485 mm Width: 40 mm Height: 132 mm Material: 2024 T4	1
175	MUWS-RB-50C	Right Wing Rib 50 Rear	Length: 70 mm Width: 40 mm Height: 88 mm Material: 2024 T4	1
176	MUWS-RB-51A	Right Wing Rib 51 Front	Length: 195 mm Width: 35 mm Height: 130 mm Material: 2024 T4	1
177	MUWS-RB-51B	Right Wing Rib 51 Middle	Length: 462 mm Width: 35 mm Height: 128 mm Material: 2024 T4	1
178	MUWS-RB-51C	Right Wing Rib 51 Rear	Length: 65 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1
179	MUWS-RB-52C	Right Wing Rib 52 Rear	Length: 187 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
180	MUWS-RB-53C	Right Wing Rib 53 Rear	Length: 180 mm Width: 15 mm Height: 57 mm Material: 2024 T4	1
181	MUWS-RB-54A	Right Wing Rib 54 Front	Length: 185 mm Width: 30 mm Height: 125 mm Material: 2024 T4	1
182	MUWS-RB-54B	Right Wing Rib 54 Middle	Length: 440 mm Width: 30 mm Height: 125 mm Material: 2024 T4	1

183	MUWS-RB-54C	Right Wing Rib 54 Rear	Length: 277 mm Width: 30 mm Height: 80 mm Material: 2024 T4	1
184	MUWS-RB-55A	Right Wing Rib 55 Front	Length: 75 mm Width: 30 mm Height: 117 mm Material: 2024 T4	1
185	MUWS-RB-55B	Right Wing Rib 55 Middle	Length: 420 mm Width: 30 mm Height: 117 mm Material: 2024 T4	1
186	MUWS-RB-55C	Right Wing Rib 55 Rear	Length: 260 mm Width: 30 mm Height: 77 mm Material: 2024 T4	1
187	MUWS-RB-56A	Right Wing Rib 56 Front	Length: 167 mm Width: 30 mm Height: 115 mm Material: 2024 T4	1
188	MUWS-RB-56B	Right Wing Rib 56 Middle	Length: 400 mm Width: 30 mm Height: 115 mm Material: 2024 T4	1
189	MUWS-RB-56C	Right Wing Rib 56 Rear	Length: 247 mm Width: 30 mm Height: 75 mm Material: 2024 T4	1
190	MUWS-RB-57A	Right Wing Rib 57 Front	Length: 157 mm Width: 30 mm Height: 110 mm Material: 2024 T4	1
191	MUWS-RB-57B	Right Wing Rib 57 Middle	Length: 378 mm Width: 30 mm Height: 110 mm Material: 2024 T4	1
192	MUWS-RB-57C	Right Wing Rib 57 Rear	Length: 230 mm Width: 30 mm Height: 70 mm Material: 2024 T4	1
193	MUWS-RB-58A	Right Wing Rib 58 Front	Length: 147 mm Width: 30 mm Height: 102 mm Material: 2024 T4	1

194	MUWS-RB-58B	Right Wing Rib 58 Middle	Length: 335 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
195	MUWS-RB-58C	Right Wing Rib 58 Rear	Length: 216 mm Width: 30 mm Height: 65 mm Material: 2024 T4	1
196	MUWS-RB-59C	Right Wing Rib 59 Rear	Length: 133 mm Width: 15 mm Height: 45 mm Material: 2024 T4	1
197	MUWS-RB-60C	Right Wing Rib 60 Rear	Length: 123 mm Width: 15 mm Height: 43 mm Material: 2024 T4	1
198	MUWS-RB-61A	Right Wing Rib 61 Front	Length: 140 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
199	MUWS-RB-61B	Right Wing Rib 61 Middle	Length: 335 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
200	MUWS-RB-61C	Right Wing Rib 61 Rear	Length: 55 mm Width: 30 mm Height: 59 mm Material: 2024 T4	1
201	MUWS-RB-62A	Right Wing Rib 62 Front	Length: 135 mm Width: 30 mm Height: 92 mm Material: 2024 T4	1
202	MUWS-RB-62B	Right Wing Rib 62 Middle	Length: 322 mm Width: 30 mm Height: 95 mm Material: 2024 T4	1
203	MUWS-RB-62C	Right Wing Rib 62 Rear	Length: 50 mm Width: 30 mm Height: 60 mm Material: 2024 T4	1
204	MUWS-RB-63C	Right Wing Rib 63 Rear	Length: 110 mm Width: 15 mm Height: 38 mm Material: 2024 T4	1

205	MUWS-RB-64A	Right Wing Rib 64 Front	Length: 125 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
206	MUWS-RB-64B	Right Wing Rib 64 Middle	Length: 300 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
207	MUWS-RB-64C	Right Wing Rib 64 Rear	Length: 50 mm Width: 30 mm Height: 55 mm Material: 2024 T4	1
208	MUWS-RB-65C	Right Wing Rib 65 Rear	Length: 105 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
209	MUWS-RB-66C	Right Wing Rib 66 Rear	Length: 105 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
210	MUWS-RB-67A	Right Wing Rib 67 Front	Length: 120 mm Width: 30 mm Height: 80 mm Material: 2024 T4	1
211	MUWS-RB-67B	Right Wing Rib 67 Middle	Length: 285 mm Width: 30 mm Height: 85 mm Material: 2024 T4	1
212	MUWS-RB-67C	Right Wing Rib 67 Rear	Length: 45 mm Width: 30 mm Height: 50 mm Material: 2024 T4	1
213	MUWS-RB-68C	Right Wing Rib 68 Rear	Length: 95 mm Width: 15 mm Height: 35 mm Material: 2024 T4	1
214	MUWS-RB-69A	Right Wing Rib 69 Front	Length: 110 mm Width: 20 mm Height: 75 mm Material: 2024 T4	1
215	MUWS-RB-69B	Right Wing Rib 69 Middle	Length: 265 mm Width: 20 mm Height: 75 mm Material: 2024 T4	1

216	MUWS-RB-69C	Right Wing Rib 69 Rear	Length: 45 mm Width: 20 mm Height: 50 mm Material: 2024 T4	1
217	MUWS-RB-70C	Right Wing Rib 70 Rear	Length: 80 mm Width: 15 mm Height: 30 mm Material: 2024 T4	1
218	MUWS-RB-71A	Right Wing Rib 71 Front	Length: 105 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
219	MUWS-RB-71B	Right Wing Rib 71 Middle	Length: 250 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
220	MUWS-RB-71C	Right Wing Rib 71 Rear	Length: 40 mm Width: 15 mm Height: 45 mm Material: 2024 T4	1
221	MUWS-RB-72C	Right Wing Rib 72 Rear	Length: 70 mm Width: 15 mm Height: 25 mm Material: 2024 T4	1
222	MUWS-RB-73A	Right Wing Rib 73 Front	Length: 100 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
223	MUWS-RB-73B	Right Wing Rib 73 Middle	Length: 250 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
224	MUWS-RB-73C	Right Wing Rib73 Rear	Length: 100 mm Width: 15 mm Height: 70 mm Material: 2024 T4	1
225	MUWS-RB-74A	Right Wing Rib 74 Front	Length: 100 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1
226	MUWS-RB-74B	Right Wing Rib 74 Middle	Length: 230 mm Width: 15 mm Height: 65 mm Material: 2024 T4	1

227	MUWS-RB-74C	Right Wing Rib 74 Rear	Length: 130 mm Width: 15 mm Height: 40 mm Material: 2024 T4	1
<b>Wings Metal Skin</b>				
228	MUWS-MSKN-01	Left Wing Metal Skin Panel 1	Length: 1150 mm Width: 570 mm Height: 3.5 mm Material: 2024 T4	1
229	MUWS-MSKN-02	Left Wing Metal Skin Panel 2	Length: 1150 mm Width: 570 mm Height: 3.5 mm Material: 2024 T4	1
230	MUWS-MSKN-03	Right Wing Metal Skin Panel 1	Length: 1150 mm Width: 570 mm Height: 3.5 mm Material: 2024 T4	1
231	MUWS-MSKN-04	Right Wing Metal Skin Panel 2	Length: 1150 mm Width: 570 mm Height: 3.5 mm Material: 2024 T4	1
<b>Hard Points</b>				
232	MUWS-HP-1A	Hard Point 1 Front	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
233	MUWS-HP-1B	Hard Point 1 Rear	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
234	MUWS-HP-2A	Hard Point 2 Front	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
235	MUWS-HP-2B	Hard Point 2 Rear	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
236	MUWS-HP-3A	Hard Point 3 Front	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
237	MUWS-HP-3B	Hard Point 3 Rear	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1



238	MUWS-HP-4A	Hard Point 4 Front	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
239	MUWS-HP-4B	Hard Point 4 Rear	Length: 140 mm Width: 60 mm Height: 130 mm Material: 2024 T4	1
<b>Tail Station</b>				
<b>S.No</b>	<b>Part Number</b>	<b>Part Name</b>	<b>Technical Specification</b>	<b>Qty</b>
240	MUTS-RB-01A	Left Tail Rib 1 Front	Length: 70 mm Width: 20 mm Height: 42 mm Material: 2024 T4	1
241	MUTS-RB-01B	Left Tail Rib 1 Middle	Length: 120 mm Width: 20 mm Height: 47 mm Material: 2024 T4	1
242	MUTS-RB-01C	Left Tail Rib 1 Rear	Length: 220 mm Width: 20 mm Height: 45 mm Material: 2024 T4	1
243	MUTS-RB-02C	Left Tail Rib 2 Rear	Length: 230 mm Width: 20 mm Height: 47 mm Material: 2024 T4	1
244	MUTS-RB-03C	Left Tail Rib 3 Rear	Length: 190 mm Width: 15 mm Height: 40 mm Material: 2024 T4	1
245	MUTS-RB-04A	Left Tail Rib 4 Front	Length: 82 mm Width: 30 mm Height: 50 mm Material: 2024 T4	1
246	MUTS-RB-04B	Left Tail Rib 4 Middle	Length: 157 mm Width: 30 mm Height: 57 mm Material: 2024 T4	1
247	MUTS-RB-04C	Left Tail Rib 4 Rear	Length: 210 mm Width: 15 mm Height: 47 mm Material: 2024 T4	1
248	MUTS-RB-05A	Left Tail Rib 5 Front	Length: 92 mm Width: 30 mm Height: 57 mm Material: 2024 T4	1

249	MUTS-RB-05B	Left Tail Rib 5 Middle	Length: 183 mm Width: 30 mm Height: 64 mm Material: 2024 T4	1
250	MUTS-RB-05C	Left Tail Rib 5 Rear	Length: 233 mm Width: 15 mm Height: 52 mm Material: 2024 T4	1
251	MUTS-RB-06A	Left Tail Rib 6 Front	Length: 100 mm Width: 30 mm Height: 63 mm Material: 2024 T4	1
252	MUTS-RB-06B	Left Tail Rib 6 Middle	Length: 207 mm Width: 30 mm Height: 70 mm Material: 2024 T4	1
253	MUTS-RB-06C	Left Tail Rib 6 Rear	Length: 255 mm Width: 15 mm Height: 57 mm Material: 2024 T4	1
254	MUTS-RB-07C	Left Tail Rib 7 Rear	Length: 270 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
255	MUTS-RB-08C	Left Tail Rib 8 Rear	Length: 270 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
256	MUTS-RB-09A	Left Tail Rib 9 Front	Length: 113 mm Width: 35 mm Height: 70 mm Material: 2024 T4	1
257	MUTS-RB-09B	Left Tail Rib 9 Middle	Length: 243 mm Width: 35 mm Height: 80 mm Material: 2024 T4	1
258	MUTS-RB-09C	Left Tail Rib 9 Rear	Length: 288 mm Width: 15 mm Height: 63 mm Material: 2024 T4	1
259	MUTS-RB-10A	Left Tail Rib 10 Front	Length: 120 mm Width: 35 mm Height: 75 mm Material: 2024 T4	1

260	MUTS-RB-10B	Left Tail Rib 10 Middle	Length: 267 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1
261	MUTS-RB-10C	Left Tail Rib 10 Rear	Length: 310 mm Width: 15 mm Height: 67 mm Material: 2024 T4	1
262	MUTS-RB-11A	Left Tail Rib 11 Front	Length: 132 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1
263	MUTS-RB-11B	Left Tail Rib 11 Middle	Length: 285 mm Width: 35 mm Height: 93 mm Material: 2024 T4	1
264	MUTS-RB-11C	Left Tail Rib 11 Rear	Length: 333 mm Width: 15 mm Height: 73 mm Material: 2024 T4	1
265	MUTS-RB-12C	Left Tail Rib 12 Rear	Length: 353 mm Width: 15 mm Height: 78 mm Material: 2024 T4	1
266	MUTS-RB-13C	Left Tail Rib 13 Rear	Length: 405 mm Width: 25 mm Height: 83 mm Material: 2024 T4	1
267	MUTS-RB-14A	Left Tail Rib 14 Front	Length: 165 mm Width: 40 mm Height: 94 mm Material: 2024 T4	1
268	MUTS-RB-14B	Left Tail Rib 14 Middle	Length: 302 mm Width: 40 mm Height: 104 mm Material: 2024 T4	1
269	MUTS-RB-14C	Left Tail Rib 14 Rear	Length: 440 mm Width: 40 mm Height: 87 mm Material: 2024 T4	1
270	MUTS-RB-15A	Vertical Tail Rib 15 Top Front	Length: 55 mm Width: 40 mm Height: 43 mm Material: 2024 T4	1

271	MUTS-RB-15B	Vertical Tail Rib 15 Top Middle	Length: 340 mm Width: 40 mm Height: 30 mm Material: 2024 T4	1
272	MUTS-RB-15C	Vertical Tail Rib 15 Top Rear	Length: 117 mm Width: 40 mm Height: 30 mm Material: 2024 T4	1
273	MUTS-RB-16A	Vertical Tail Rib 16 Bottom Front	Length: 92 mm Width: 25 mm Height: 30 mm Material: 2024 T4	1
274	MUTS-RB-16A	Vertical Tail Rib 16 Bottom Middle	Length: 210 mm Width: 20 mm Height: 32 mm Material: 2024 T4	1
275	MUTS-RB-16C	Vertical Tail Rib 16 Bottom Rear	Length: 65 mm Width: 20 mm Height: 32 mm Material: 2024 T4	1
276	MUTS-RB-17A	Right Tail Rib 17 Front	Length: 165 mm Width: 40 mm Height: 94 mm Material: 2024 T4	1
277	MUTS-RB-17B	Right Tail Rib 17 Middle	Length: 302 mm Width: 40 mm Height: 104 mm Material: 2024 T4	1
278	MUTS-RB-17C	Right Tail Rib 17 Rear	Length: 440 mm Width: 40 mm Height: 87 mm Material: 2024 T4	1
279	MUTS-RB-18C	Right Tail Rib 18 Rear	Length: 405 mm Width: 25 mm Height: 83 mm Material: 2024 T4	1
280	MUTS-RB-19C	Right Tail Rib 19 Rear	Length: 353 mm Width: 15 mm Height: 78 mm Material: 2024 T4	1
281	MUTS-RB-20A	Right Tail Rib 20 Front	Length: 132 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1

282	MUTS-RB-20B	Right Tail Rib 20 Middle	Length: 285 mm Width: 35 mm Height: 93 mm Material: 2024 T4	1
283	MUTS-RB-20C	Right Tail Rib 20 Rear	Length: 333 mm Width: 15 mm Height: 73 mm Material: 2024 T4	1
284	MUTS-RB-21A	Right Tail Rib 21 Front	Length: 120 mm Width: 35 mm Height: 75 mm Material: 2024 T4	1
285	MUTS-RB-21B	Right Tail Rib 21 Middle	Length: 267 mm Width: 35 mm Height: 83 mm Material: 2024 T4	1
286	MUTS-RB-21C	Right Tail Rib 21 Rear	Length: 310 mm Width: 15 mm Height: 67 mm Material: 2024 T4	1
287	MUTS-RB-22A	Right Tail Rib 22 Front	Length: 113 mm Width: 35 mm Height: 70 mm Material: 2024 T4	1
288	MUTS-RB-22B	Right Tail Rib 22 Middle	Length: 243 mm Width: 35 mm Height: 80 mm Material: 2024 T4	1
289	MUTS-RB-22C	Right Tail Rib 22 Rear	Length: 288 mm Width: 15 mm Height: 63 mm Material: 2024 T4	1
290	MUTS-RB-23C	Right Tail Rib 23 Rear	Length: 270 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
291	MUTS-RB-24C	Right Tail Rib 24 Rear	Length: 270 mm Width: 15 mm Height: 60 mm Material: 2024 T4	1
292	MUTS-RB-25A	Right Tail Rib 25 Front	Length: 100 mm Width: 30 mm Height: 63 mm Material: 2024 T4	1

293	MUTS-RB-25B	Right Tail Rib 25 Middle	Length: 207 mm Width: 30 mm Height: 70 mm Material: 2024 T4	1
294	MUTS-RB-25C	Right Tail Rib 25 Rear	Length: 255 mm Width: 15 mm Height: 57 mm Material: 2024 T4	1
295	MUTS-RB-26A	Right Tail Rib 26 Front	Length: 92 mm Width: 30 mm Height: 57 mm Material: 2024 T4	1
296	MUTS-RB-26B	Right Tail Rib 26 Middle	Length: 183 mm Width: 30 mm Height: 64 mm Material: 2024 T4	1
297	MUTS-RB-26C	Right Tail Rib 26 Rear	Length: 233 mm Width: 15 mm Height: 52 mm Material: 2024 T4	1
298	MUTS-RB-27A	Right Tail Rib 27 Front	Length: 82 mm Width: 30 mm Height: 50 mm Material: 2024 T4	1
299	MUTS-RB-27B	Right Tail Rib 27 Middle	Length: 157 mm Width: 30 mm Height: 57 mm Material: 2024 T4	1
300	MUTS-RB-27C	Right Tail Rib 27 Rear	Length: 210 mm Width: 15 mm Height: 47 mm Material: 2024 T4	1
301	MUTS-RB-28C	Right Tail Rib 28 Rear	Length: 190 mm Width: 15 mm Height: 40 mm Material: 2024 T4	1
302	MUTS-RB-29C	Right Tail Rib 29 Rear	Length: 230 mm Width: 20 mm Height: 47 mm Material: 2024 T4	1
303	MUTS-RB-30A	Right Tail Rib 30 Front	Length: 70 mm Width: 20 mm Height: 42 mm Material: 2024 T4	1

304	MUTS-RB-30B	Right Tail Rib 30 Middle	Length: 120 mm Width: 20 mm Height: 47 mm Material: 2024 T4	1
305	MUTS-RB-30C	Right Tail Rib 30 Rear	Length: 220 mm Width: 20 mm Height: 45 mm Material: 2024 T4	1
<b>Longeron</b>				
<b>S.No</b>	<b>Part Number</b>	<b>Part Name</b>	<b>Technical Specification</b>	<b>Qty</b>
306	MUFS-CLR-01A	Left Top Longeron Front	Length: 3000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
307	MUFS-CLR-01B	Left Top Longeron Middle	Length: 2700 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
308	MUFS-CLR-01C	Left Top Longeron Rear	Length: 2000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
309	MUFS-CLR-02A	Right Top Longeron Front	Length: 3000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
310	MUFS-CLR-02B	Right Top Longeron Middle	Length: 2700 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
311	MUFS-CLR-02C	Right Top Longeron Rear	Length: 2000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
312	MUFS-CLR-03A	Left Bottom Longeron Front	Length: 3000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1

313	MUFS-CLR-03B	Left Bottom Longeron Middle	Length: 2700 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
314	MUFS-CLR-03C	Left Bottom Longeron Rear	Length: 2000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
315	MUFS-CLR-04A	Right Bottom Longeron Front	Length: 3000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
316	MUFS-CLR-04B	Right Bottom Longeron Middle	Length: 2700 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
317	MUFS-CLR-04C	Right Bottom Longeron Rear	Length: 2000 mm Width: 4 mm Height: 80 mm Material: Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
<b>Fuselage Skin</b>				
318	MUFS-CSKN-01	Fuselage Skin	Length: 9000 mm Width: 9.4 mm Height: 830 mm Material: Nomax Honeycom, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
<b>Wings Spar</b>				
319	MUWS-CSP-01C	Left Wing 1st Spar Outboard	Length: 3500 mm Width: 58 mm Height: 120 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
320	MUWS-CSP-02C	Left Wing 2nd Spar Outboard	Length: 3500 mm Width: 45 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1



321	MUWS-CSP-04C	Right Wing 4th Spar Outboard	Length: 3500 mm Width: 58 mm Height: 120 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
322	MUWS-CSP-05C	Right Wing 5th Spar Outboard	Length: 3500 mm Width: 45 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
<b>Wings Composite Skin</b>				
323	MUWS-CSKN-01	Left Wing Skin Panel 1	Length: 7344 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
324	MUWS-CSKN-02	Left Wing Skin Panel 2	Length: 2215 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
325	MUWS-CSKN-03	Left Wing Skin Panel 3	Length: 1120 mm Width: 9.4 mm Height: 430 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
326	MUWS-CSKN-04	Left Wing Skin Panel 4	Length: 2630 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
327	MUWS-CSKN-05	Left Wing Skin Panel 5	Length: 2630 mm Width: 9.4 mm Height: 430 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1

328	MUWS-CSKN-06	Left Wing Skin Panel 6	Length: 1400 mm Width: 9.4 mm Height: 250 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
329	MUWS-CSKN-07	Left Wing Skin Panel 7	Length: 1400 mm Width: 9.4 mm Height: 230 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
330	MUWS-CSKN-08	Right Wing Skin Panel 1	Length: 7344 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
331	MUWS-CSKN-09	Right Wing Skin Panel 2	Length: 2215 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
332	MUWS-CSKN-10	Right Wing Skin Panel 3	Length: 1120 mm Width: 9.4 mm Height: 430 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
333	MUWS-CSKN-11	Right Wing Skin Panel 4	Length: 2630 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
334	MUWS-CSKN-12	Right Wing Skin Panel 5	Length: 2630 mm Width: 9.4 mm Height: 430 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1

335	MUWS-CSKN-13	Right Wing Skin Panel 6	Length: 1400 mm Width: 9.4 mm Height: 250 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
336	MUWS-CSKN-14	Right Wing Skin Panel 7	Length: 1400 mm Width: 9.4 mm Height: 230 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
<b>Tail Composite Skin</b>				
337	MUTS-CSKN-01	Left Tail Skin Panel 1	Length: 980 mm Width: 9.4 mm Height: 1100 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
338	MUTS-CSKN-02	Left Tail Skin Panel 2	Length: 980 mm Width: 9.4 mm Height: 1100 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
339	MUTS-CSKN-03	Left Tail Skin Panel 3	Length: 900 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
340	MUTS-CSKN-04	Left Tail Skin Panel 4	Length: 900 mm Width: 9.4 mm Height: 300 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
341	MUTS-CSKN-05	Vertical Tail Skin Panel 1	Length: 420 mm Width: 9.4 mm Height: 550 mm Material: Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1

342	MUTS-CSKN-06	Vertical Tail Skin Panel 2	Length: 150 mm Width: 9.4 mm Height: 530 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
343	MUTS-CSKN-07	Vertical Tail Skin Panel 3	Length: 420 mm Width: 9.4 mm Height: 550 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
344	MUTS-CSKN-08	Vertical Tail Skin Panel 4	Length: 150 mm Width: 9.4 mm Height: 530 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
345	MUTS-CSKN-09	Right Tail Skin Panel 1	Length: 980 mm Width: 9.4 mm Height: 1100 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
346	MUTS-CSKN-10	Right Tail Skin Panel 2	Length: 980 mm Width: 9 mm Height: 1100 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
347	MUTS-CSKN-11	Right Tail Skin Panel 3	Length: 900 mm Width: 9 mm Height: 300 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
348	MUTS-CSKN-12	Right Tail Skin Panel 4	Length: 900 mm Width: 9 mm Height: 300 mm Material:Nomax Honeycomb, Carbon Fiber (T300/K) & Glass Fiber (SW100A)	1
<b>Tail Spars</b>				

349	MUTS-CSP-01A	Left Tail Spar Front Inboard	Length: 480 mm Width: 50 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
350	MUTS-CSP-01B	Left Tail Spar Front Outboard	Length: 1800 mm Width: 50 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
351	MUTS-CSP-02A	Left Tail Spar Middle Inboard	Length: 600 mm Width: 50 mm Height: 83 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
352	MUTS-CSP-02B	Left Tail Spar Middle Outboard	Length: 1800 mm Width: 50 mm Height: 83 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
353	MUTS-CSP-03A	Left Tail Spar Rear Inboard	Length: 900 mm Width: 15 mm Height: 65 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
354	MUTS-CSP-03B	Left Tail Spar Rear Outboard	Length: 900 mm Width: 15 mm Height: 65 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
355	MUTS-CSP-04	Vertical Tail Spar	Length: 1150 mm Width: 15 mm Height: 40 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1

356	MUTS-CSP-05A	Right Tail Spar Front Inboard	Length: 480 mm Width: 50 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
357	MUTS-CSP-05B	Right Tail Spar Front Outboard	Length: 1800 mm Width: 50 mm Height: 90 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
358	MUTS-CSP-06A	Right Tail Spar Middle Inboard	Length: 600 mm Width: 50 mm Height: 83 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
359	MUTS-CSP-06B	Right Tail Spar Middle Outboard	Length: 1800 mm Width: 50 mm Height: 83 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
360	MUTS-CSP-07A	Right Tail Spar Rear Inboard	Length: 900 mm Width: 15 mm Height: 65 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1
361	MUTS-CSP-07B	Right Tail Spar Rear Outboard	Length: 900 mm Width: 15 mm Height: 65 mm Material: Carbon Fiber (T300/125) & Glass Fiber (SW100A)	1

**\*\*For compatibility equipment & for any other Technical query Vendors are encouraged to contact: MD AvDI 051-90992132 & Project Director Mobile # 0321-9583187 Office # 051-90992138 and Email: mdavdi@pac.org.pk**

### **Notes**

1. Quotation may please be submitted on '**FOR** **Kamra** basis only.
2. Payment will be made as per PAC Board procedure.

**Form PACB – 02A**

**PAKISTAN AERONAUTICAL COMPLEX BOARD  
KAMRA**

**SCHEDULE TO TENDER**

1. Tender Inquiry No **PACB/721/100418120/0446/P-3**
2. Time and Date of opening Tender at **1100 Hrs on 30-04-2018**

(1)	(2)	(3)	(4)	(5)	(6)
Item No	Description of stores and specifications	Unit of issue	Qty	Price per unit	Total price

**Grand Total** \_\_\_\_\_

**Signature of Tenderer**  
(Capacity in which signing)

**Form PACB - 02B****UNDER TAKING**  
**(Fill in and Return)****To,****Member Commercial**  
Pakistan Aeronautical Complex Board  
Kamra Distt Attock

Dear Sir,

I/We hereby offer to supply to PAC Board the stores detailed in the Schedule to Tender or such portion thereof as you may specify in the contract at the prices given in Form **PACB – 02A** and further agree that this offer will remain valid upto \_\_\_\_\_ and will not be withdrawn or altered in terms of rates quoted and the condition stated therein on or before this date. I/We shall be bound by your communication of acceptance to be despatched within the prescribed time.

I/We understood the instructions to Tenders and condition of contract as laid down in Form **PACB – 10** titled “**General Conditions Governing Contract**” and thoroughly examine specification / drawing and / or patterns quoted in the Schedule to Tender and am/are fully aware to the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.

Yours faithfully

**Witness’s Signature:**

Name:

N.I.C No.

Address:

Signing:

Date:

**Signature of Tenderers:**

Name:

N.I.C No.

Capacity in which

Address:

Date:

Tele:

Telex/Fax:



**Form PACB – 02C****QUESTIONNAIRE TO BE FILLED IN BY BIDDER**

Firm is required to provide confirmation of following points and in case of any

S No	Description	Yes / No	Remarks
1.	Whether stores offered conform to the specification and confirmation to this effect has been made in the quotation given in Form <b>PACB – 002A</b> .		
2.	Whether deviation from the demanded specification is attached with Form <b>PACB – 002A</b> .		
3.	Whether complete quotation has been submitted in duplicate.		
4.	Whether the prices are exclusive of taxes/duties if so whether taxes/duties have been shown separately.		
5.	Whether Form <b>PACB–002A &amp; 002B</b> duly filled in and signed by the Bidder have been returned in herewith.		
6.	Whether copy of valid registration / business authorization of firm have been enclosed herewith.		
7.	Whether tender fee challan amounting to Rs 100/- has been enclosed herewith.		
8.	Whether details of financial capability (Bank Statement etc.) and financial load of contracts outstanding against your firm have been provided.		
9.	It is confirmed that no Taxes / Duties & Dues payable to Pakistan Govt are outstanding at the part of vendor / firm.		
10.	Copy of NTN <b>OR</b> Equivalent Tax compliance Certificate (for foreign firms) has been attached.		
11.	It is confirmed that firm and their proprietors have not been in litigation / blacklisted by any Govt./Semi-Govt / Autonomous body		
12.	Unit Price has been provided against same unit of issue as mentioned in IT. In case of change in unit of issue, price has been converted as per ITs unit of issue in a separate column along with conversion formula		
13.	All requisite documents as per <b>Para 22</b> of Invitation to tender have been attached.		
14.	10% PBG will be provided at the time of signing of contract		
15.	Warranty / Guarantee will be provided for required period		
16.	Letter of Authorization to sign Tender Documents on behalf of firm has been attached.		
17.	Offer is without any condition		

change, same is to be highlighted in remarks column.

**Dated:** \_\_\_\_\_**(Signature of Bidder & Stamp)**

**GENERAL CONDITIONS FOR BG**

- (a) To ensure timely and correct supply of stores, the firm will furnish an unconditional Bank Guarantee within 30 days of the signing of the contract from a schedule Bank for an amount of Rs \_\_\_\_\_ i.e. \_\_\_\_\_% of the total value of the contract (on a judicial Stamp paper of the value of Rs 100/-). The Bank Guarantee shall be endorsed in favour of CMA who is the Account Officer specified in the contract. The CMA concerned shall have the like power of seeking encashment of the Bank Guarantee as if the same has been demanded by the purchase officer himself.
- (b) The Bank Guarantees will be of following types with validity and amount has mentioned in each type
- (i) Bank Guarantee against contract performance. It will be 10% of total value of contract excluding taxes/duties and freight/handling charges etc. It shall remain enforce till 60 days beyond the Delivery Period stipulated in the contract.
  - (ii) Bank Guarantee against Advance/ Down Payment. It will be equal to amount paid in advance /down payment shall remain valid till 60-days beyond the Delivery Period stipulated in the contract.
  - (iii) Bank Guarantee against Warranty Period. It will be for amount 10% of contract value excluding taxes/duties and freight /handling charges, etc. Duration of BG against Warranty Clause is variable. Normally under DPL –15, it is for one year for the general type of equipment / spares. For consumable goods, the warrantee period should also expire after 6 months or when the goods are fully consumed whichever is earlier or as per terms of contract.
- (c) If the supply of store is on warranty, the supplier shall be bound to extend the validity of Bank guarantee for such further reasonable period if so required by the purchase officer to cover the warranty period.
- (d) If the supplier fail to provide the Bank guarantee within 30 days after signing a contract, such failure shall constitute a breach of contract and the Director purchase shall be entitled to make other arrangements at the risk and expense of the supplier if no other BG / Bid Security of the same supplier for an equal amount is held up for final release, with the purchaser against any other completed contract(s). In the event of unsatisfactory performance or of any breach of terms of the contract, Bank guarantee shall be forfeited to the Govt. at the discretion of the purchaser. On satisfactory performance of the contract, the Bank Guarantee will be returned to the supplier by CMA (ISO) on receipt of instruction from the purchaser i.e. Directorates of Procurements etc.
- (e) In case of FOR tenders / contract it is imperative that BGs are obtained from firms/suppliers/agents through scheduled Banks of State Bank of Pakistan so as to safeguard the interest of the state.
- (f) In case of FOB tenders/contracts, Bank Guarantee is to be obtained preferably from LC opening Bank of Pakistan and through supplier, LC opening Bank abroad. In case the firm does not agree to the aforesaid condition, then BG should at least, be obtained from supplier's country Bank located in Pakistan or any enlisted scheduled Bank of Pakistan in favour of LC opening Bank in Pakistan or any scheduled Bank of Pakistan, and the same will be a Bank to Bank Guarantee in favour of CMA (ISO) Rawalpindi.