

HBL**HABIB BANK****Deposit Slip
Customer Copy**

Branch: PAC Kamra	Date: 15 12 2025
Account Title: PPRA	
IBAN: PK17 HABB 0004540013100701	
Currency: <input checked="" type="checkbox"/> PKR <input type="checkbox"/> USD <input type="checkbox"/> EURO <input type="checkbox"/> GBP <input type="checkbox"/> JPY <input type="checkbox"/> Others	<input type="checkbox"/> Intercity <input type="checkbox"/> Within city <input type="checkbox"/> Same Branch
Credit Card No. - - - -	
<input checked="" type="checkbox"/> CASH	AMOUNT
BANK / BRANCH: PAC Kamra	CHEQUE/INSTRUMENT NO. 15000/-
TOTAL AMOUNT 15000/-	
Total Amount in Words: Fifteen Thousand only	
Commission (if any) Online Cash Deposit	
Depositor's Name: Mukhammad Sajjad	Branch: 1790-PAK. AERONAUTICAL CO
Contact No.: 0301 8334661	Account: PUBLIC PROCUREMENT Date: 2025-12-15
Depositor's CNIC No.: 16202-0983800-3	IBAN: PK17HABB0004540013100701
Depositor's Account No.: 17907901712005	Amount: *****15,000.00 PKR
(For non-HBL/Walk-in Customers. Also attach CNIC Copy)	
(For HBL Customers / Account Holders)	
Received By: 15525218	Depositor's Signature: Muhammad Sajjad
(As per Terms & Conditions on reverse) (Not official unless validated)	



PAKISTAN AERONAUTICAL COMPLEX, KAMRA AIRCRAFT MANUFACTURING FACTORY

TENDER NOTICE : OPEN TENDER

AMF/751-A/4607/LOG DATED 16 December, 2025

TO BE OPENED ON : 30 December, 2025

TENDER INQUIRY : 03

1. Sealed tenders for purchase / repair of items as per enclosed list are invited from sales tax registered Suppliers who are on Active Taxpayers List (ATL) of FBR.

Pattern of Quotations

2. The quotation shall comprise a single package containing 02 separate envelopes. Tender reference along with due date of opening and Category Number must be clearly marked. Each envelope shall contain separately, the financial proposal and the Technical proposal. Each bid (financial / technical) will be on separate leaf against single line item, envelope cover must be marked with "Item name". **Quotations with multiple line items on single page will be dropped. Quotations should be on original letter head (colour printed).** The quotations shall be addressed to Managing Director AMF, PAC Kamra as per terms given below:-

(a) **Technical Offer:** It should be without prices and contain all relevant essential specifications along with literature / brochures. Tender number, date of opening and word **(Technical offer)** should be clearly marked. The tendered Part No should be mentioned against quoted item / offer. Any details of equivalent / variables being quoted should be clearly mentioned against Part No being tendered. **NSN / OEM Part No** should be mentioned on both technical and commercial quotations. All quoted products must have traceable local / foreign OEM. **Country / Place of Manufacture / OEM** of stores is to be provided along with Technical / Commercial offer. **Certificate of Conformance (CoC), Technical Data Sheet (TDS) and Material Safety Data Sheet (MSDS)** along with any other relevant literature by OEM are must for all Aviation Items, Chemicals, Material and Equipment. All precision measuring equipment must be quoted with provisioning of fresh **Calibration Certificate**. Spectrometric analysis report against raw material / hardware items may be required to establish conformity of delivered product. All Chemicals, lubricants and any item of shelf life range must be quoted with provisioning of **MSDS** along with fresh **Laboratory Test Reports** against corresponding LOT No, Batch No, Date of Production, Date of Expiry of delivered stores. **Part Catalogues, IPBs (Illustrated Part Breakdown), User Guides, Operating / Maintenance Manuals, Brochures, Prices** which ever available / applicable would be provided free of cost along with delivered stores. In case of **Unit of issue** being Quoted other than which has been tendered, conversion formula is to be mentioned, AMF will conclude all transaction formalities (vetting, approval, placement of order, receipt of stores and subsequent payment) as per tendered / published Unit of Issue. All cyber range products must be of **branded origin and without Pro technology, ivy / sandy bridge processors**. Confirmation to this effect is to be furnished by written certificate along with quotation. License keys, activation / access passwords and source codes are to be provided along with all software whether purchased individually or as a part of any system/equipment or machinery.

(b) **Financial Offer:** It should indicate price of quoted item (**to be delivered at AMF, Kamra premises with all liabilities on Suppliers**) and confirmation to the terms and condition of AMF tender inquiry. The words "**Financial offer**" should be clearly marked. The Quoted prices are to be exclusive of GST levied by the Government and these should be in accordance with the current Local market prices. GST must be mentioned separately. All other charges must be incorporated in offered price. Rates must be mentioned in both "words" and "figures". Following documents must accompany financial offer:-

- (i) Proof of being on **active taxpayers list**
- (ii) Sales tax registration certificate
- (iii) NTN certificate
- (iv) Professional Tax certificate of the province where the contract is being concluded as per MAG letter No 54/AT/S/1687-Vol-XXVII/P-29 dated 22 April, 2013 and Taxation department Punjab letter No SO (TAX) 1-33/77 (P-IV) date 28 August, 2003.
- (v) Any specific SRO / Tax exemptions if applicable must be notified along with commercial offer.

(c) **Bid Money / Earnest Money:** The **unregistered firms with PACB** (Pakistan Aeronautical Complex Board, Kamra) will have to furnish **earnest money @ 5%** of the quoted value through **Bank Draft / CDR** in favour of **Public Fund Account AMF PAC, Kamra**. The earnest money instrument should indicate Tender reference and firm/company name. In case where the exact Quantity has not been mentioned the earnest money should be calculated against MOQ / market available standard OEM packaging. The exact bid money in this scenario will have to be furnished within 01 week of intimation of being technically accepted, lowest financial bidder. The confirm purchase order will be furnished upon receipt of earnest money. Earnest money of bidders backing out of submitted quote or failing to provide in time delivery will be forfeited along with initiation of disciplinary actions.

Quantity

3. Quantity can be increased / decreased at the time of order as per AMF requirement without change of financial quotations. Bids once submitted will not be allowed to be changed and will be binding on suppliers for delivery of stores if purchase order is furnished, however, clarifications may be sought.

Offer requirement / validity

- 4. The quotation should be valid if it contain under mentioned information.
 - (a) Quote Validity should be minimum **90 days** and extendable on request.
 - (b) **EDD must be available on Commercial Quote. Quotation will not be accepted without delivery period.**
 - (c) Picture and TDS must be available with technical quote.
 - (d) Separate quote for every single line item.
 - (e) Mentioning of date on commercial / technical quotes is mandatory.
 - (f) Terms & Conditions should be mentioned on commercial / technical quotes.

Delivery Period

5. **Items are to be delivered at AMF, PAC KAMRA premises with all liabilities on Suppliers.** Stores are required within minimum possible delivery period. Offer with minimum delivery period are likely to be preferred. However, the delivery period should be factual as no subsequent extension will be granted except under extreme / un-avoidable circumstances. **Delivery period will invariably start from furnishing of written (provisional / firm) purchase order whichever is earlier.** Delivered stores must be in **standard packing** (free of any separate cost). Delivery of items shall be strictly made as per timeline mentioned in purchase order. In case of failure, AMF reserves the right to cancel any PO.

6. Acceptance of Stores / General Terms & Conditions

- (a) **Certificate of Conformance, TDS and MSDS** by OEM is must for all aviation items, Materials and Equipment.

(b) All precision measuring equipment must accompany fresh **Calibration Certificate either from OEM or any certified credible facility.**

(c) All Chemicals, lubricants and any item of shelf life range must accompany **MSDS** along with fresh **laboratory test reports against corresponding LOT number, Batch number, date of production, date of expiry of delivered stores.**

(d) In case of life items, the remaining shelf life must be at least 75 % at the time of delivery.

(e) Stores will be accepted after inspection by concerned user / Quality Control Directorate as per QMS of AMF.

(f) Supplier will be made responsible for **warranty / guarantee** of newly purchased items **at least one year or maximum possible**. In case of rejection of item on receipt or any defect / anomaly found within warranty period whether before use or while in use, the supplier will provide free of cost repair / replacement (which applicable) at AMF Kamra premises bearing all liabilities.

(g) All repair works / services will INVARIABLY be under at least **06 months warranty**, unless contracted otherwise and depends upon case to case basis.

(h) **Part Catalogues, IPBs (Illustrated Part Breakdown), User Guides, Operating / Maintenance Manuals, Brochures, Prices** which ever available / applicable would invariably be provided **free of cost** along with delivered stores.

(j) Items should be current year's production.

(k) Supplier will retain record of all products delivered to AMF karma, for at least 03 years.

(l) AMF reserves the right to visit / inspect any premises of supply chain against required / offered products.

(m) The supplier will be responsible for in time payment of all applicable taxes and duties to relevant agencies as per in vogue GOP regulations. The supplier must be able to furnish / produce such record as and when demanded by AMF.

(n) Any item being tendered if obsolete / discontinued by OEM may please be communicated along with said certification by OEM. Suitable replacements / substitutes / interchangeable may also be communicated along with complete technical / operational details.

(p) All quotations/ bids, correspondence and clarifications / queries must be on company letter head duly signed by authorized signatory authority. Active contact / correspondence details (phone no. mobile no. email & postal address must be mentioned).

(q) All quotations, bids, clarifications, queries, correspondence and product will be kept strictly confidential.

Release of Payment

7. Payment will be released by Dte of Budget and Accounts, AMF PAC, Kamra on submission of Sales Tax invoice along with copies of GST registration, NTN certificate and Professional Tax certificate. Sales Tax Return against previous transactions (if any) during current financial year and copy of relevant SRO (if applicable) will also be required. All payments are to be received after successful acceptance of delivered stores by user and upon furnishing of requisite documentation. After receipt of payment, supplier is to furnish monthly sales tax return declaration along with Annexure "C" (DOMESTIC SALES INVOICE DETAIL) duly depicting invoice number against which payment has been received from AMF, Kamra. Specified amount of GST and Income tax will be withheld/ deducted at source as per GOP instructions in vogue. Any exemption

in this regard will only be entertained upon furnishing of FBR issued EXEMPTION certificate in name of Firm / Company against specified item.

Terms and Conditions

8. The terms and conditions mentioned in this document will be integral part of any purchase order furnished against this tender, whether or not mentioned again.

Clarifications of Queries

9. Queries if any may be cleared by contacting **051-90995372**.

Rejection

10. Offers are liable to be rejected if:

- (a) There is a deviation from any instruction.
- (b) Offers are found conditional or incomplete in any respect.
- (c) Overwriting / erasing in prices.
- (d) Firm being **BLACKLISTED / UNDER EMBARGO / DE LISTED** by any **Government Organization**.
- (e) Any terms and conditions not in conformity with tendered terms and conditions.

Delivery of Tender

11. **Each quotation (financial / technical) shall be on separate leaf against single line item.** Both the envelopes of **Technical and Commercial** offers should be enclosed in one cover properly sealed, **envelope cover must be marked with "Item name"** and bear the following address of Local Purchase office, AMF with **tender Inquiry number and opening date**.

Assistant Director Local Purchase (JF-17)
Aircraft Manufacturing Factory,
Pakistan Aeronautical Complex, Kamra
District Attock

Opening of Tender

12. The quotations must be in original and are to reach at this factory by **1100 Hrs** on **30 December, 2025**. All quotations are to be dropped in the tender box placed at the Local Purchase Section, AMF. No quotation will be accepted in photocopy, through Fax and after due date and time. Tender will be opened on **same day at 1130 Hrs** in the presence of witnessing officers and available representatives of the firms in vendor's conference room / DD Log JF-17. AMF reserve the right to cancel or reject any or all bids / proposals against complete tender or any part thereof, at any time without any liability. In case of official holiday the Tender will be opened on next working day.

Yours Faithfully,


(QAZI M AHMAD JAN)
Flying Officer
for Managing Director
AMF, PAC Kamra

AMF QUALITY SYSTEM REQUIREMENTS

Following are the requirements to be satisfied by the Supplier (External Provider) / Sub-Contractor (Local Vendor) of AMF:-

1. The processes, products, and services to be provided including the identification of relevant technical data (e.g., specifications, drawings, process requirements, work instructions).
2. The approval of products and services, methods, processes, equipment, and the release of products and services.
3. Provide inspection and testing criteria for acceptance by AMF.
4. Notify AMF about non-conformance product or material supplied.
5. Obtain approval from AMF of changes in product / process.
6. Access by AMF, its customers and regulatory authorities be ensured to applicable areas of all facilities involved in the order and to all applicable records at any level of the supply chain.
7. Provide Objective evidence of the quality of product.
8. To ensure product conformance to specified requirements.
9. To provide manufacturing date and Lot number.
10. To provide shelf life and expiry date as applicable
11. Competence, including any required qualification of persons.
12. The external providers' interactions with the organization.
13. Control and monitoring of the external providers' performance to be applied by the organization.
14. Verification or validation activities that the organization, or its customer, intends to perform at the external providers' premises.
15. Supplier (External providers) apply appropriate controls to their direct and sub-tier Suppliers (external providers), to ensure that requirements are met.
16. Design and development control.
17. Special requirements, critical items, or key characteristics.
18. Test, inspection, and verification (including production process verification).
19. The use of statistical techniques for product acceptance and related instructions for acceptance by the organization.
20. To provide Material / Metallurgical test reports along with raw material for traceability through Lot / Batch No. External Provider will also provide date of manufacture of provided Lot / Batch No of raw material.
21. The need to:
 - (a) Implement a Quality Management System.
 - (b) Use customer-designated or approved external providers, including process sources (e.g., special processes).
 - (c) Notify the organization of nonconforming processes, products, or services and obtain approval for their disposition.
 - (d) Prevent the use of counterfeit parts.
 - (e) Notify the organization of changes to processes, products, or services, including changes of their external providers or location of manufacture, and obtain the organization's approval.
 - (f) Flow down to external providers applicable requirements including customer requirements.
 - (g) Provide test specimens for design approval, inspection/verification, investigation, or auditing.
 - (h) Retain records (documented information), including retention periods and disposition requirements.
22. Ensuring that persons are aware of:
 - a. Their contribution to product or service conformity.
 - b. Their contribution to product safety.
 - c. The importance of ethical behavior.
23. Any item marked with company name, origin and brand is for reference purpose only.

PLEASE SUBMIT RELEVANT DOCUMENTS, ALONG WITH TECHNICAL QUOTATION AS PER UNDERMENTIONED DETAILS OTHERWISE TECHNICAL QUOTATION WILL NOT BE ACCEPTED (PMI ITEMS)

1. The Stores must be factory new and free from damage, corrosion and other forms of deterioration.
2. Technical publication / brochure sufficing the genuineness of offered items should be enclosed with technical quotations.
3. Make / Models are mentioned only for identification of specifications and required standards.
4. Calibration Certificate (if applicable) will be provided with stores by seller.
5. The spares should be delivered in standard OEM packing on FOR Kamra basis.
6. The spare should clearly indicate name / code of product, name of manufacturer, date of manufacturing, and Production Lot No. / batch No.
7. The spares should be delivered with proper traceability record.
8. Source of purchase should be authorized by OEM. In this regard, proof in tangible form to be provided with technical quotation.
9. The supplier will provide OEM's / authorized dealer's Certificate of Conformance (CoC).
10. Item will be accepted on complete form, fitment and functionality checks.
11. Standard warranty of one year is required.

AMF/751-A/4607/LOG (PC-03) DATED 16 DECEMBER, 2025
(TOTAL LINE ITEMS ON SHEET 154 WITH DETAIL SPECIFICATIONS)

S NO	PART NO	NOUN	QTY	UI	SECTION	SPECIFICATIONS
1	HTS-602-1602-WP32MPA	HYD PRESSURE HOSE (32MP) WITH END FT30	1	EA	AGES JF-17	Outer Dia 27.33 MM, Inner Dia 23.3 MM, End Connector Outer Dia 32.4 MM, End Connector Inner Dia 25.5 MM, End Connector Material S.S, Types China, Fresh Stock 2025, Length 30 Feet, Mfg Date mentioned on Hoses.
2	HTS-602-1602-WP32MPA	HYD PRESSURE HOSE (32MP) WITH END FT30	1	EA		
3	HTS-901AT22112MPA	HYD PRESSURE HOSE (12.8MP) WITH END FT30	1	EA	AGES JF-17	Outer Dia 31.5 MM, Inner Dia 27.5 MM, End Connector Outer Dia 41.1 MM, End Connector Inner Dia 31 MM, Types China, End Connector Material S.S, Fresh Stock 2025, Length 30 Feet, Mfg Date mentioned on Hoses.
4	HTS-901AT22112MPA	HYD PRESSURE HOSE (12.8MP) WITH END FT30	1	EA		
5	103039-93	AMPERE METER	4	EA	Building 111 (ST Shop)	0~300AMP,AC/DC AM Meter, or Equivalent
6	FDC-L91-4110	HIGH LIMIT TEMPRATURE CONTROLLER	4	EA	Building 111 (ST Shop)	Shim-den SR93-8P-N-90-1000
7	15303825-12-041-2	TEMPERATURE RECORDER	2	EA	Building 111 (ST Shop)	TEMP RECORDER WITH GRAPH PAPER SHEET. RECORD TEMP WITH PT100 NSOR or Equivalent
8	GB/T2816-2002	DEEP WELL SUBMERSIBLE PUMP QJD	1	EA	Building 111 (ST Shop)	Seal Less Acid /Alkali Proof With SS Or Carbon Reinforce PP Body, Immersion Depth 7m, Flow Rate 16 M3/H, Single Phase 2~3 Kw, Max Head 30m, Head Dia 2inches With 15m Pipe.
9	DO111	DRY OVEN GRAPH PAPER	5	RL	Building 111 (ST Shop)	Model No 291E-207
10	1760C	HIGH TEMPERATURE CERAMIC GLASS WOOL	10	RL	Building 111 (ST Shop)	High Temperature Wool Stream Lines Required.
11	05-5067	CORDLESS DRILL	4	EA	FTS (112)	Company Dewalt 12 V Latest Version Made in Germany
12	88291006-993	INLET VALVE KIT	1	EA	PMI (JF-17)	As Per Sulair Part No OEM= Sulair.
13	88290011-200	ORIFICE VALVE	1	EA	PMI (JF-17)	As Per Sulair Part No OEM= Sulair..
14	02250112-031	CONTROL PIPE FILTER	1	EA	PMI (JF-17)	As Per Sulair Part No OEM= Sulair..
15	A27H-16	SAFETY VALVE DN65	2	EA	PMI (JF-17)	Safety Valve. DN-65 Dia 2 1/2" pressure 10 to 15 Bar.
16	88290008-036	HOSE	1	EA	PMI (JF-17)	L=33", 4" Dia Pressure: 15 Bar, Temp:- 200 c
17	SKUP2	BRASS PLUG 3/4 INCH	6	EA	PMI (JF-17)	3/4 Brass Deal Plug.
18	682604773537	PLASTIC HEXAGON GRILL MESH SHEET	100	FT2	PMI (JF-17)	Material PVC, Mesh Sheet, As Per Part No
19	750X750X300MM	PVC ROUND FILLS (HONEY COMB FILTER)	15	EA	PMI (JF-17)	As Per Sample, Size:750X750X300 MM
20	HH-001	BLACK SANDWICH AIR MESH FABRIC	100	FT2	PMI (JF-17)	2MM Thickness (As Per Sample)
21	RT14-20-1A	CARTRIDGE FUSE	2	EA	PMI (JF-17)	Fuse 1 AMP-220V, RT 14
22	003N4100	PRESSURE OPERATED WATER VALVE	1	EA	PMI (JF-17)	Make= Donfoss, Refrigerant, CFC, HCFC, HFC, Brass Material
23	SMR410	HIGH PRESSURE SWITCH FOR R22	1	EA	PMI (JF-17)	220VAC, 17.4 AMP, Pressure 1521 PSI with Switch.

24	AS935A	CORROSION INHIBITOR PASSIVATOR	150	KG	PMI (JF-17)	OEM Pat No MSDS, COA, COC Required, Chemical Type
25	AS-860	AQUA AS860(DESCALER)	150	KG	PMI (JF-17)	As Per Part No, Noun, MSDS, COA, COC Required, Chemical Type
26	SS-B-P	MALE SS PIPE PLUG 1/2 INCH	24	EA	PMI (JF-17)	1/2" SS Deal Plush
27	88290007-844	HOSE ASSEMBLY	1	EA	PMI (JF-17)	As Per Sullair Part No OEM= Sullair, L= 4.5 FT, Dia = 3/4" Pressure 15 Bar.
28	43406	RUBBER ELBOW	1	EA	PMI (JF-17)	8MM Thickness, 90° Angle.
29	G1/2DN15	AUTOMATIC ELECTRONIC TIME DRAIN VALVE	2	EA	PMI (JF-17)	Dia: 1/2", drain valve with magnetic coil 220vac.
30	KITZ15MM	GATE VALVE 15MM (CLASS 125)	5	EA	PMI (JF-17)	OEM KITZ Size 15mm
31	KLINGERC4324	KLINGER GASKET (3MM)	2	SHT	PMI (JF-17)	OEM Kilinger, Kilinger Sheet Thickness 3mm
32	70X5(JGS2)	SIGHT GLASS 70X5(QUARTZ GLASS)	10	EA	PMI (JF-17)	Sight Glass size 70X5 MM
33	S10	WIKA PRESSURE TRANSMITTER	1	EA	PMI (JF-17)	OEM WIKA Pressure Range 10~100 KPA, also attach publication
34	901-395	ANALOGUE TEMPERATURE GUAGE	1	EA	PMI (JF-17)	OEM China Dial Size 3 Inch Made Stainless Steel, Calibration and QC Certificate Required
35	400STZ	BALL VALVE 1/2 INCH KITZ	5	EA	PMI (JF-17)	OEM KITZ, 1/2 inch
36	CV-DN80	DUAL PLATE CHECK VALVE 3 INCH	2	EA	PMI (JF-17)	OEM KITZ Flange Type Size 3 Inch
37	KLINGERC4324	KLINGER GASKET (3MM)	1	SHT	PMI (JF-17)	OEM Kilinger (Kilinger Sheet Thickness 3 MM)
38	GG25-12046	STEAM STOP VALVE DN100	2	EA	PMI (JF-17)	OEM= KITZ Stop Valve Type DN100.
39	YDK-110W-8	4 TON BLOWER MOTOR 220V-50HZ	1	EA	PMI (JF-17)	AS per Part No OEM of AC: Haier (vertical 04 Ton Haier AC 04 Ton Blower Motor 220V AC, 50Hz
40	4VACPCB	PCB CARD VERTICAL AC 04 TON WITH SENSOR	1	EA	PMI (JF-17)	AS per Part No OEM of AC: Haier (vertical 04 Ton 04 Ton Electronic PCB Card with Sensors
41	AMF-124-AM-75A	AMPERE METER 75A	2	EA	PMI (JF-17)	AC Ampere Meter, Range: DN75A Voltage: AC~, Calibration and QC Certificate Required
42	SATA-TO-IDE	SATA TO IDE ADAPTER CONVERTER 2.5 SATA FEMALE TO 3.5 INCH IDE MALE	1	EA	PMI (JF-17)	2.5 SATA Female 3.5 Inch IDE Male
43	32A/AMF-2	LIFTING SLING OF NYLON	30	MTR	PMI (JF-17)	Nylon Sling, 30 Mtr, 25 TON, Load Test Certificate Required
44	1B/AMF-106	ROLLER SCATTERS	8	EA	PMI (JF-17)	For Easy Scating of New ~10ton ICS
45	10H/AMF-65	HYDRAULIC JACK	6	EA	PMI (JF-17)	For Instalation of New IC(10 Ton) Load Test Certificate Required
46	77IV	FLUKE DIGITAL MULTIMETER	1	EA	PMI (JF-17)	Range AC volt 0~1000v, DC 0~600 V Company: Fluke, Germany, Calibration and QC certificate, attach publication.
47	2819-0208	FRAME LEVEL	3	EA	PMI (JF-17)	AS per Part No (For CNC Machine Leveling) Calibration Certificate Required
48	AT-1400	TORQUE WRENCH 2801-1400NM	1	EA	PMI (JF-17)	0-1400~M, Calibration Certificate Required
49	9041500-000	SOLDERING STATION (JPN)	1	EA	PMI (JF-17)	OEM: Kada, i/p:220V, Soldering Power 100 watt
50	BK701	SOLDERING & DESOLDERING STATION	1	EA	PMI (JF-17)	OEM: Kada, i/p:220V, Soldering Power 100 watt, Air Gun: 100-480C
51	3A/AMF-319	PORTABLE BENCH GRINDING MACHINE	1	EA	PMI (JF-17)	Power = 701 W RPM = 10,0001 MM

52	87-473	ADJUSTABLE WRENCH 12 INCH	4	EA	PMI (JF-17)	Adjustable= 12"
53	HM121	TOSOKU HANDWHEEL (MPG FOR FANUC)	1	EA	PMI (JF-17)	OEM TOSOKU, MPG Manual Pulse Generator FANUC System
54	ERN1381.020-2048	ROTARY ENCODER	1	EA	PMI (JF-17)	ID No: 385 489-06 Make: Heidenhain Incremental Signals ~1Vpp Line Count 2048 Power Supply 5 Volt Attached Publication and highlight the required item
55	R407999222	HYDRAULIC CYLINDER 222	1	EA	PMI (JF-17)	Scope Of Work (LR) (Hydraulic Cylinder is U/S Due to Oil Leakage, Repair of Hydraulic Cylinder is required, Complete Serviceability of Hydraulic Cylinder with Minimum 06 Month operational warranty is required.
56	VIDEOJET-1520	VIDEO JET SMALL CHARACTER INK JET PRINTER (MODEL-1520)	1	EA	PMI (JF-17)	Scope Of Work(LR) (Installation of updated software as old software has crashed, Onsite troubleshooting of any other fault is required , Complete serviceability of video jet printer with minimum 06 month post repair warranty required.
57	10H/AMF-66	HYDRAULIC JACKS	1	EA	PMI (JF-17)	Scope Of Work (LR) (Hydraulic Jack is U/S Due to Oil Leakage from Cylinder, Repair of Hydraulic Jack with Minimum 06 Month operational warranty is required.
58	MH-50Y	HYDRAULIC JACK BOTTLE TYPE 50 TON	3	EA	PMI (JF-17)	Scope Of Work (LR) (Hydraulic Jack is U/S Due to Oil Leakage from Cylinder, Repair of Hydraulic Jack with Minimum 06 Month operational warranty is required
59	JT160BCBY1L	SCROLL COMPRESSOR	1	EA	PMI (JF-17)	OEM: DAIKIN, CHAINA Model No:- JT160BC-YE, 3Phase 380~420v Gas= R-22, Suniso4GS.(4 Ton Ac Compressor)
60	6140-68-900-0009	CHEMICAL CIRCULATING PUMP 220V & 5HP & 2850 RPM	1	EA	PMI (JF-17)	Input power - 220 volt RPM - 2850
61	DN2800MT	INTEL DESK TOP BOARD	1	EA	PMI (JF-17)	Dual core fanless processor DDR 3 Ram 2 GB Intel express chipest. Brand New required, 01 Years Warranty
62	AQUA-CARE-AC-935	SPECIAL DESCALER	250	KG	PMI (JF-17)	Ph= 1.18(25c) From = power/white orders. MSPS, coc, coa Required.
63	33D/AMF-2	NEUTRAL SOAP 500ML	2	EA	W/Shop 104(a)	Any Brand of Non Toxic & Non Corrosive Type, Gas and Air Leak Detector is required Prefabiliy SHERLOCK Company required for (CG oxygen & compressed Gases under packing of 500ML Bottle).
64	34D/AMF-12	SILICON OIL	10	LTR	W/Shop 104(a)	Any brand of nontoxic & non corrosive type, liquid, versatile lubricant clear Colour less liquid ordorless & inner dimethyl polysioame. Flash point = 55-200 c pour point = 320 c
65	34D/AMF-67	TRANSFORMER OIL	2	LTR	W/Shop 104(a)	Any brand of Non Toxic & Non Corrosive Type, Liquid Mineral Oil, Fire Proof Lubricating oil, Cooling Industrial Lubricant cutinized packing. Flash OINT =140 c Pour Point = -6 C Clear & Transparent Oil.
66	12630011-115	LUBRICANT GLEITMO 700	3	KG	W/Shop 106(PPG)	Geltimo 700 Brand FUCH, Physical State, Form, Colour, Flammability (solid gas), Vapor Density (air=1), Density: (1.53g/cm3 (20 c), NLGI: 01, Acute Toxicity Oral [Product:(ATEMIX:3,915.43 mg/kg), Flash point, Dermal product : (ATEMIX : 3.686.74 mg/kg).

67	D012-4MM	CHROME MILL CUTTER (HSS) 4MM	20	EA	W/Shop 106(PPG)	Length : 62mm, Shank : 40.8mm, Flude : 2F / 21.2mm
68	FLEX-PLPS-120-LG3	POLYURETHANE SUKING TUBE DIA 120MM	50	MTR	W/Shop 106(PPG)	Polyurethane Suking Tube Dia 120MM
69	HP712	REFILLING CASSETTE	2	EA	W/Shop 106(PPG)	Refilling Cassette HP-712
70	701101NF	COOLING FLUID-30 NF	60	LTR	W/Shop 106(PPG)	Cooling Fluid-30 NF
71	CASTROL-18	NIBLLER LUBRICANT LLOBROACH 18	5	KG	W/Shop 106(PPG)	Please, see Technical Data sheet attached as Appendix "A" at end of Sheet.
72	24300156	TIMING BELT	1	EA	W/Shop 106(PPG)	10x4000mm (pitch 2.5mm) open ended belt
73	K-TREL 60	HIGH PERFORMANCE POLYURETHANE RUBBER SHEET	1	EA	W/Shop 106(PPG)	Temperature 50 C thickness 25mm natural rubber hardness 50 off shore
74	10G/AMF-3226	TEMP RECORDER PAPER Z-TYPE B	10	BOX	W/Shop 106(PPG)	Folding chart UR1800 B9573AN
75	DR-210A	TEMPERATURE RECORDER WITH SENSOR -50°C TO 50°C 12V, 24VDC	1	EA	W/Shop 106(PPG)	DR-210A Printer Temperature, Sensor (3 in 1)
76	DIA700X6.5X80XT96	SPECIAL CUTTING BLADE	1	EA	W/Shop 107	Dia 700 MM Thickness 6.5 MM Fluit 96
77	TH-2069.300X420	NON WOVEN FABRIC FILTER	6	RL	W/Shop 107	2069.300X420
78	1B/AMF-1442	DRUM TROLLY	2	EA	W/Shop 107	For Carrying Drum Front 1 Tyre Back 2 Tyre
79	REF9190	DUST BROOMS	100	EA	W/Shop 107	15 length X 2inch Width for sweeping purpose)
80	9.5X11-1PLY	STOCK SHEET FOR CMM	60	EA	W/Shop 107	11X8.5 INCH Paper Size dot Metris Printer CMM Paper
81	SH2B5/16U	AIR QUICK COUPLERS	120	EA	W/Shop 107	½ inch Coupler
82	10BW/AMF-120	AIR PRESSURE NOZZLE	100	EA	W/Shop 107	As per Sample
83	PM2A1/4PT	AIR COUPLER	90	EA	W/Shop 107	½ inch Coupler
84	3B/AMF-2-1832	AIR PRESSURE PIPE	300	MTR	W/Shop 107	Inner Dia 8mm & outer dia 14 MM wp300psi)
85	3B/AMF-1815	HOSE PIPE WATER 1 INCH	200	MTR	W/Shop 107	Inner Dia 1 inch & outer 27.4 MM
86	A441673180	GRINDING DISCS	50	EA	W/Shop 107	4 inches Required Material Steel
87	269715-MED-50MM	ROLOC SURFACE CONDITIONING DISC	200	EA	W/Shop 107	MED-50MM
88	269716-COARS-50MM	ROLOC SURFACE CONDITIONING DISC	200	EA	W/Shop 107	COARS-50MM
89	269713-COARS-25MM	ROLOC SURFACE CONDITIONING DISC	200	EA	W/Shop 107	COARS-25MM
90	269712-MED-25MM	ROLOC SURFACE CONDITIONING DISC	200	EA	W/Shop 107	MED-25MM
91	KEN-203-2470K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2470K
92	KEN-203-2460K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2460K
93	269703-50X6MM	ROLOC HOLDER	30	EA	W/Shop 107	50X6MM
94	269701-25X6MM	ROLOC HOLDER	30	EA	W/Shop 107	25X6MM
95	KEN-203-2590K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2590K
96	KEN-203-2570K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2570K
97	KEN-203-2560K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2560K
98	KEN-203-2490K	VELCRO BACKED SANDING DISCS	100	EA	W/Shop 107	203-2490K
99	52STK/AMF-113	SILICON TUBE	50	EA	W/Shop 107	GMSA 310ML

100	10AG/AMF-122	POLISHING HEAD 210-6246K	1000	EA	W/Shop 107	SIZE 210-6246K
101	3415-76-700-009	CUTTING DISC 100X1MM	100	EA	W/Shop 107	100X1MM
102	16CRMNSIA-30MM	STEEL ROD 30MM	5	MTR	W/Shop 107	I6CR & 30MM
103	1CRMNSIA-30MM	STEEL ROD 30MM	5	MTR	W/Shop 107	ICR & 30MM
104	M12X200MM	ALLEN KEY BOLT 12X200MM	50	EA	W/Shop 107	12X200MM
105	M8X70MM	ALLEN KEY BOLT 8X70MM	100	EA	W/Shop 107	8X70MM
106	M8X50MM	ALLEN KEY BOLT 8X50MM	100	EA	W/Shop 107	8X50MM
107	10AG/AMF-130	POLISHING HEAD WRC 08206S Z3	1000	EA	W/Shop 107	SIZE WRC 08206S
108	10AG/AMF-125	POLISHING HEAD 210-8206K	1000	EA	W/Shop 107	SIZE 210-8206K
109	32C/AMF-17	RUBBER SEAL ROUND	300	MTR	W/Shop 107	Dia 6 MM
110	TPGT080204LFWT1500Z	INSERT	50	EA	W/Shop 107	Seat Size 08MM & Hole 02MM & Radius 0.4MM
111	M12X300MM	ALLEN KEY BOLT 12X300MM	50	EA	W/Shop 107	12X300MM
112	M12X250MM	ALLEN KEY BOLT 12X250MM	50	EA	W/Shop 107	12X250MM
113	QH25390	SPHERE DIA 25.39MM	3	EA	W/Shop 107	Dia 25.39MM
114	CH3CH3OH	ABSOLUTE ETHANOL (CHEMICALLY PURE)	10	BTL	W/Shop 107	Ethanol (Chemically Pure)
115	SMC-TU0603	PRESS FITTING (CONECTOR) SIZE 6MM T TYPE	24	EA	W/Shop 107	Size 6mm L Type
116	SMC-TU0602	PRESS FITTING (CONECTOR) SIZE 6MM L TYPE	24	EA	W/Shop 107	Size 6mm L Type
117	SMC-TU0426	PRESS FITTING (CONECTOR) SIZE 4MM STRAIGHT TYPE	24	EA	W/Shop 107	4mm Straight Type
118	SMC-TU0424	PRESS FITTING (CONECTOR) SIZE 4MM T TYPE	24	EA	W/Shop 107	Size 4mm T Type
119	SMC-T51210	PRESS FITTING (CONECTOR) SIZE 12MM STRAIGHT TYPE	24	EA	W/Shop 107	Size 12mm Straight Type
120	SMC-T51208	PRESS FITTING (CONECTOR) SIZE 12MM T TYPE	24	EA	W/Shop 107	Size 12mm T Type
121	SMC-T51207	PRESS FITTING (CONECTOR) SIZE 12MM L TYPE	24	EA	W/Shop 107	Size 12mm L Type
122	SMC-TU0605	PRESS FITTING (CONECTOR) SIZE 6MM STRAIGHT TYPE	24	EA	W/Shop 107	Size 6mm Straight Type
123	CR17450SE-R(3V)	LASER LITHIUM DRY BATTERY (SANYO)	24	EA	W/Shop 107	Battery 3 V (Sanyo Japan)
124	SMC-TU0502	PRESS FITTING (CONECTOR) SIZE 8MM STRAIGHT TYPE	24	EA	W/Shop 107	Size 8 MM Straight Type
125	PAT408367-32V	BDR FUSE 20-25-30AMP	36	EA	W/Shop 107	20,25,30 AMP
126	SBAG	EMERGENCY STOP BUTTON (SIEMENS)	24	EA	W/Shop 107	Stop Button (Siemens)
127	TYPE-533-6	PRESSURE PIPE HOSE SIZE OD12MM ID8MM	10	MTR	W/Shop 107	Size OD12MM ID8MM
128	R0000000170	ROLLER FILTER (LOSMA MINIMASTER) SIZE 760MM	4	RL	W/Shop 107	(LOSMA Minimaster) Size 760 MM
129	1030-E7601-07	NON WOVEN FABRIC FILTER ROLE WIDTH 711MM	6	RL	W/Shop 107	1030-E7601-07

130	30CRMNSIA-30MM	STEEL ROD 30MM	5	MTR	W/Shop 107	30CR & 30 MM
131	33604003	ELLETROTEC LM2 TB LEVEL SWITCH	24	EA	W/Shop 107	Elletrotec, Level Switch
132	32B/AMF-153	WHITE SILK(1/2X1/2MTR) OVER LOCKING	100	PC	W/Shop 107	(1/2X1/2MTR) Over Locking
133	SMC-SANG-A	PRESS FITTING (CONECTOR) SIZE 12MM STRAIGHT TYPE WITH ONE SIDE THREAD	24	EA	W/Shop 107	Size 12mm Straight Type With one side Thread
134	SMC-TU0423	PRESS FITTING (CONECTOR) SIZE 4MM L TYPE	24	EA	W/Shop 107	Size 4mm L Type
135	1625426100MAX15BAR	OIL FILTER(ATLUS COPCO)	4	EA	W/Shop 107	MAX15BAR
136	2202-9294-00-MAX20-BAR	OIL SEPARATOR(ATLUS COPCO)	2	EA	W/Shop 107	MAX20-BAR
137	A-5003-2932	RUBY BALL STAINLESS STEEL DIA 2MM LENGTH 20MM EWL 10MM	2	EA	W/Shop 107	Probe Dia 2 MM & Length 20 MM (Renishaw)
138	A-5000-7547	RUBY BALL STAINLESS STEEL DIA 2MM LENGTH 19MM EWL 9.2MM	2	EA	W/Shop 107	Probe Dia 2MM & Length 19MM (Renishaw)
139	A-5734-1200-MCUW-2	JOY STICK KIT (RENISHAW)	2	EA	W/Shop 107	(Renishaw) Hand Held Controller
140	SMC-TU0503	PRESS FITTING (CONECTOR) SIZE 10MM STRAIGHT TYPE	4	EA	W/Shop 107	Size 10 MM Straight Type
141	NDR2.6	DRILL DIA2.6MM	10	EA	W/Shop 109	Drill Dia 2.6 MM, Material Carbide
142	CDR2.7	DRILL CARBIDE DIA2.7MM	10	EA	W/Shop 109	Drill Dia 2.7 MM Material Carbide
143	YC504	RIVET SQUEEZER SMALL BRAND (QIANSHAO MFG CHINA)	01	EA	W/Shop 109(A)	Mfg China , INECO company, 4 in 1
144	76174107883	RETRACTABLE KNIFE WITH BLADES	1	EA	W/Shop 110	Multi-function Cutter 160 MM 5 Blades Recharger
145	RTD-1-50-6-26	THERMOCOUPLE PT100 SINGLE POLARITY	1	EA	W/Shop 110	Temp Range 100~150 C Length 50MM, Thread Dia 26MM
146	3A/AMF-87	ETCHING MACHINE ELECTRIC	1	EA	W/Shop 51	Hand Machine 220V AC
147	21BB/AMF-21	ELECTRIC DRILL MACHINE	1	EA	W/Shop 51	220 VAC MAX 10MM Drill Ingco, Dewalt
148	21C/1038	WEIGHT SCALE (DIGITAL MADE IN JAPAN)	1	EA	W/Shop 51	0~50 KG Requirement of Digital Weight Scale.
149	LEICA-575739	RED RING REFLECTOR 0.5INCH	1	EA	Workshop No 51-1	Leica Dia 0.5" (Stainless steel)
150	F1000-G0150T3C	HF INVERTER AC 3PH 15KW 32A	1	EA	Workshop No 51-1	3 Phase 15 KW 32 Ampere
151	J11PM0067	POLISH NO 6	2	LTR	SBG	OEM ABAX, France, Packing Must Be 1 Ltr (Bottle)
152	KH-94101-20	REPLACEMENT GENERATOR	1	EA	Central Lab JF-17	<ul style="list-style-type: none"> Part No 71-0104 Compatible with Cou-Lo Aquamax KF Moisture Meter SNo 71361 Made: GR Scientific Ltd Bedford Shire UK or Equivalent
153	71-0103	DETECTOR ELECTRODE FOR KF METER	1	EA	Central Lab JF-17	<ul style="list-style-type: none"> Compatible with Cou-Lo Aquamax KF Moisture Meter SNo 71361 Made: GR Scientific Ltd Bedford Shire UK or Equivalent
154	AG12V100F	MAINTENANCE FREE BATTERY	05	EA	Security Wing(SRT)	Lead Acid Battery, Maintenance Free, 12 V 100 AH

TECHNICAL DATA SHEET OF PART NO CASTROL-18 NOU NIBLLER LUBRICANT LLOBROACH 18 NIBLLER LUBRICANT LLOBROACH 18 SERIAL NO (72)

Properties and Specifications

Property	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100	ISO VG 150
Grade	32	46	68	100	150
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1A	1A	1A	1A	1A
Density @ 15 C, kg/l, ASTM D1298	0.872	0.876	0.882	0.884	0.887
Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	15	15	20		
Emulsion, Time to 3 mL Emulsion, 82 C, min, ASTM D1401				10	5
Flash Point, Cleveland Open Cup, °C, ASTM D92	212	226	234	242	258
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	5.3	6.6	8.3	11.0	14.9
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	31.4	44.0	63.3	96.0	150
Pour Point, °C, ASTM D97	-24	-24	-18	-18	-18
Viscosity Index, ASTM D2270	98	98	98	98	98

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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06-2025

Mobil Askari Lubricants Limited

D-46, Block-5

KDA Scheme-5, Clifton