

HBL

HABIB BANK حبیب بینک

Deposit Slip Customer Copy

Branch: PAC Kamra	Date: 24/12/2024
Account Title: اکاؤنٹ ہولڈر کا نام	
IBAN: PK17HABB0004540013100701	
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 type="checkbox"/> CASH نقد	AMOUNT رقم
BANK / BRANCH: HBL PAC Kamra	CHEQUE/INSTRUMENT NO. چیک نمبر: 15000/-
TOTAL AMOUNT کل رقم	15000/-
Total Amount in Words: Fifteen Thousand only	مبلغ
Commission (if any)	
Depositor's Name: SAJJAD	Online Cash Deposit
Contact No: 0301 8334661	Branch: 1790-PAK. AERONAUTICAL CB
Depositor's CNIC No. 12-88380-3	Account: PUBLIC PROCUREM Date: 2024-12-24
Depositor's Account No. (For HBL Customers / Account Holders)	IBAN: PK17HABB0004540013100701
	Amount: *****15,000.00 PKR
	Charges: *****580.00
	Teller: ZJ78 125 Time: 12.37.10:40000
Received By: وصول کنندہ	Depositor's Signature: دستخط جمع کنندہ
	(As per Terms & Conditions on reverse) (Not official unless validated)

24862004



PAKISTAN AERONAUTICAL COMPLEX, KAMRA AIRCRAFT MANUFACTURING FACTORY

TENDER NOTICE : OPEN TENDER
AMF/751-A/4607/LOG DATED 24 December, 2024

TO BE OPENED ON : 07 January, 2025

TENDER INQUIRY : 09

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 **07 January, 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)

for
Flying Officer
Managing Director
AMF, PAC Kamra

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
UNDER MENTIONED DETAILS OTHERWISE TECHNICAL QUOTATIONS WILL NOT BE
ACCEPTED (PMI ITEM S No. 1)**

1. The stores must be factory new and free from damage and other forms of deterioration.
2. Technical publication / brochure sufficing the genuineness of offered items should be enclosed with technical quotations.
3. The spares should be delivered in standard OEM packing on FOR Kamra basis.
4. The spares should clearly indicate name of manufacturer.

PLEASE SUBMIT RELEVANT DOCUMENTS, ALONG WITH TECHNICAL QUOTATION AS PER UNDER MENTIONED DETAILS OTHERWISE TECHNICAL QUOTATIONS WILL NOT BE ACCEPTED (PMI ITEMS S No. 2 to 12)

1. The stores must be factory new and free from damage, leakage and other forms of deterioration.
2. Technical publication / brochure sufficing the genuineness of offered items should be enclosed with technical quotations.
3. The chemicals should be delivered in standard OEM packing on FOR Kamra basis.
4. Latest MSDS (Material Safety Data Sheet) not more than three years old, be provided alongwith technical quotation.
5. The chemicals should clearly indicate name / code of product, name of manufacturer, manufacturing date, expiry date and production Lot No. / Batch No.
6. The supplier will provide following documents with supplied stores at the time of delivery:-
 - a. OEM's / authorized dealer's certificate of conformance (COC).Sr No. of COC should be traceable to OEM.
 - b. Certificate of analysis (COA).

Part No	Noun	Scope of Work
ZYC2-65	TINJU 202420460004 Horizontal vacuum furnace	a). Digital display vacuum guage set (Qty 01) ZDR-II+LED , Range 0.5Pa ~ 2500Pa b). Vacuum guage tube , (Qty 03) ZJ-52T/KH10/16 , Range 0.5Pa ~ 2500Pa c). Contact Pressure guage , (Qty 01) YZXC-100 , 1mbar ~ 1bar
2.0VVP-20Q-34/48HV	TINJU 202420400005 Vertical vacuum furnace	a) Low vacuum guage , (Qty 04) TTR91S , Range 1×10^{-3} ~ 100mbar b) High vacuum guage , (Qty 03) PTR225 , Range DN25 1×10^{-9} ~ 1×10^{-2} mbar c) Ceravac vacuum guage , (Qty 01) CTR100 , 0 ~ 10Tcrr d) Analogue pressure guage , (Qty 01) cTRANS P30 , -1 to + 0.6bar

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :

Paste.

Important health, safety and environmental information

pH :

Not relevant.

Boiling point/boiling range :

251 °C.

Flash Point Interval :

FP > 100°C.

Vapour pressure (50°C) :

Not relevant.

Density :

< 1

✓ Water solubility :

Insoluble.

Melting point/melting range :

121 °C.

9.2. Other information

No data available.

AMF/751-A/4607/LOG (PC-09) DATED 24 Dec, 2024

S NO	PART NO	NOUN	QTY	UI	SECTION	SPECIFICATIONS
1	HTS-219-02	HYD PRESSURE HOSE (34MP) WITH END FT40	As Req	EA	AGES JF-17	Outer Dia 30mm Inner Dia 27mm
2	HTS-602-1602-WP32MPA	HYD PRESSURE HOSE (32MP) WITH END FT30	As Req	EA	AGES JF-17	Outer Dia 27.3mm Inner Dia 23.3mm
3	HTS-901AT22112MPA	HYD PRESSURE HOSE (12.8MP) WITH END FT30	As Req	EA	AGES JF-17	Outer Dia 31.5mm Inner Dia 27.5mm
4	HTS-901AT-321	HYD PRESSURE HOSE (9MPA) WITH END FT40	As Req	EA	AGES JF-17	Outer Dia 41mm Inner Dia 37mm
5	AF-3089-909	ANTIFREEZ COOLANT WATER	As Req	LTR	AGES JF-17	ZIC Super A predeputed
6	7075-T6(CLAD)	ALUMINIUM SHEET FOR TEST COUPENS (1MM THICK)	As Req	M2	Building 111 (ST Shop)	TEST COUPENS (1MM THICK)
7	DO111	DRY OVEN GRAPH PAPER	As Req	RL	Building 111 (ST Shop)	Width 12 Inch
8	2024-T3	ALUMINIUM SHEET FOR TEST COUPENS (1MM THICK)	As Req	M2	Building 111 (ST Shop)	TEST COUPENS (1MM THICK)
9	6810-600-0250	SCOTCH# 250 TAPE 3M COMPANY	As Req	EA	Central Lab JF-17	3M Made in USA Width 1 Inch
10	16T/202	TYRE SIZE (10INCH)4.10/3.50-4(30PSI)	As Req	EA	FTS (112)	Dia (10INCH)4.10/3.50-4(30PSI)
11	16T/203	TUBE SIZE (10INCH) 3.00-4(30PSI)	As Req	EA	FTS (112)	Dia (10INCH) 3.00-4(30PSI)
12	211BM/AMF-295	PRINTER LASER HP1300	As Req	EA	PACIT	Model 404DN
13	TC-25X33X7	OIL SEAL	As Req	EA	PMI (JF-17)	Local
14	OD39X2MM	O RING SEALING RUBBER RING WASHER	As Req	EA	PMI (JF-17)	Local
15	LX-4XJ	STRAINER CORE	As Req	EA	PMI (JF-17)	<ul style="list-style-type: none"> • Absolute Micron Rating 5 Micron • Length 40 Inch • Material Polyroylene • Max. water Temp (Operational) 52°C
16	8-23PH10.00	PH10 STANDARD BUFFER SOLUTION (SUNTEX)	As Req	ML	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance Colorless blue, Liquid • pH 10 • Odor Odorless

						<ul style="list-style-type: none"> • Specific Gravity Approx. 1 • Boiling Point 100°C • Solubility Soluble
17	8-04PH7.00	PH7 STANDARD BUFFER SOLUTION (SUNTEX)	As Req	ML	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance Colorless yellow, Liquid • pH 7 • Specific Gravity Approx. 1 • Odor Odorless • Boiling Point 100°C • Solubility Soluble
18	8-03PH4.01	PH4 STANDARD BUFFER SOLUTION (SUNTEX)	As Req	ML	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance Colorless red, Liquid • pH 4 • Specific Gravity Approx. 1 • Odor Odorless • Boiling Point 100°C • Solubility Soluble
19	AL2(OH)5CL	POLY ALUMINIUM CHLORIDE	As Req	Kg	PMI (JF-17)	<ul style="list-style-type: none"> • Color Amber- Light pale Yellow • pH 2.3 ± 0.3 at 20°C • Flash point Non flammable • Odor Odorless • Viscosity 2.24 • Solubility Highly soluble, miscible in all proportion
20	METTLER-TOLDO9891	ORP STANDARD SOLUTION 9891	As Req	ML	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance Liquid • pH 6.8 • Relative density 1 • Odor Odorless • Color Yellow • Solubility Soluble in water
21	METTLER-TOLDO9883	ORP STANDARD SOLUTION 9883	As Req	ML	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance Liquid • pH 6.8 • Relative density 1 • Odor Odorless • Color Yellow • Solubility Soluble in water
22	33G/PAF-15	SODIUM HYDROXIDE	As Req	Kg	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance White, pellets • pH 14 at 100g/l at 20°C • Flammability Not flammable • Odor Odorless • Melting point 318°C
23	1305-62-0	CALCIUM HYDROXIDE	As Req	Kg	PMI (JF-17)	<ul style="list-style-type: none"> • Appearance White, crystals or powder

						<ul style="list-style-type: none"> pH 12.4 Flammability Not flammable Odor Odorless Relative density 2.24 Solubility 0.185 g / 100 cc @ 0°C
24	AQUAREGIA311	AQUA REGIA NO 311	As Req	Ltr	PMI (JF-17)	<ul style="list-style-type: none"> Appearance Colorless Liquid pH >10 Specific Gravity 1.12 ± 0.02@20°C Odor Slight Flash Point Non Flammable
25	AQUAREGIA303	AQUA REGIA NO 303	As Req	Ltr	PMI (JF-17)	<ul style="list-style-type: none"> Appearance Clear Colorless Liquid pH <5 Specific Gravity 1.12 ± 0.02@20°C Odor Slight Flash Point Non Flammable
26	30743-1A	SULPHURIC ACID	As Req	Ltr	PMI (JF-17)	<ul style="list-style-type: none"> Appearance Clear oily liquid pH 1.2 (0.1 N solution) Specific Gravity 1.84 Odor Odorless Boiling point 290°C Solubility Miscible with water, liberates much heat
27	PB635	PVC PROFIBUS-DP CABLE	As Req	EA	PMI (JF-17)	
28	LDB4-70(6132)	LATHE TURRENT	As Req	EA	PMI (JF-17)	A is. 166mm B is. 180mm C is. 156mm D is. 130mm H is. 70mm H1 is. 26mm Max Hieght of turret : 192mm Motor : 120 watts, 380 Volts RPM : 1400
29	57X60MM	ROUND WIRE BRUSH	As Req	EA	PMI (JF-17)	Dia 57X60MM
30	67/8/LB	ESSO UNIREX N2 GREASE(HIGH TEMPERATURE)	As Req	KG	PMI (JF-17)	Fine Quality (USA)
31	SKUSN7198810-292	80X80 ALARM PANEL BUZZER 220V	As Req	EA	PMI (JF-17)	PANEL BUZZER 220V
32	34D/9100581	MOBILE OIL 30-40 SHELL	As Req	LTR	Prod Prep Workshop No 51-1	Shell / Target / Total

33	DK7732E	MACHINE INTERFACE PC CARD	As Req	EA	Prod Prep Workshop No 51-1	IBE29537
34	23510.000	TWIST DRILL LONG 10MM HSCO MIN TOTAL LENGTH 265 MIN FLUTE LENGTH 185MM)	As Req	EA	Prod Prep Workshop No 51-1	Float Legnth 150mm Total 200mm
35	D53TP50D	THREE PHASE SOLID STATE RELAY	As Req	EA	Prod Prep Workshop No 51-1	Req for CNC wire cut machine
36	9150PK0011616	OIL FOR SEAWING MACHINE	As Req	LTR	Prod Prep Workshop No 51-1	Shell / Target / Total
37	21IBM/AMF-721	MOUSE/KEYBOARD A4 TECH	As Req	SET	Prod Prep Workshop No 51-1	HP Orignal/Dell
38	VNMG160404NNLT10	TURNING INSERT	As Req	EA	Prod Prep Workshop No 51-1	Insert Corner Radius R-0.4
39	102SZKX-24	DC MOTOR (170V1200RPM0.8KW)	As Req	EA	Prod Prep Workshop No 51-1	Volt 170 RPM 1200 KW 0.8
40	9510PK0011609	COPPER ROD 30MM	As Req	FT	Prod Prep Workshop No 51-1	Copper Material Dia 30mm
41	1B/AMF-L-43	RECHARGABLE LED FLASH LIGHT	As Req	EA	Provost Sqn JF-17	Geepas
42	6001685-001	POWER CABLE	As Req	MTR	Provost Sqn JF-17	23/0.76 Pure Copper
43	32B/PAF-62	POLYTHENE SHEET	As Req	MTR	Structure Built Up	Width 16 Ft
44	P30348	COMPOUND	As Req	EA	Structure Built Up	
45	P37866	VARNISH RD11770X BLUE	As Req	LTR	Structure Built Up	RD11770X BLUE
46	33C/AMF-29	ACCETONE (ITALY)	As Req	LTR	Structure Built Up	CAS#: 67-64-1 Formula: C3H6O Origin: Italy
47	P38259	Adhesive RTV 3145 Grey Cat	As Req	EA	Structure Built Up	Origion : Germany / USA Packing 310 ml 3145 Dowsel
48	BW-10	VESSEL BIT	As Req	EA	Structure Built Up	
49	3070704	AIR PRESSURE REGULATOR VALVE 15MPA/2175PSI	As Req	EA	W/Shop (105)	15MPA/2175PSI
50	WS-BAG-500X160MM	WELL SEALED HIGH TEMPERATURE PLASTIC BAG	As Req	EA	W/Shop 104(a)	Mitoty
51	9150-00-913-9717	MOBILE JET OIL II	As Req	QTR	W/Shop 104(a)	
52	GC-GREASE-00-8045	GC GREASE 00	As Req	KG	W/Shop 106(PPG)	Specification Attached (MOTUL GC Grease)

53	7134-10-0.9	BAND SAW BLADE (Tooth Per inch 10 TPI 10 Width16mm=0.628"	As Req	MTR	W/Shop 106(PPG)	(Tooth Per inch 10 TPI 10 Width16mm=0.628"
54	9022035-030	DIGITAL VERNIER CALIPER 300MM	As Req	EA	W/Shop 106(PPG)	Mitoty
55	721960708	REDUCING CONNECTOR	As Req	EA	W/Shop 106(PPG)	Material steel size 6,8,10,12mm
56	0821300355REXRO TH	FILTER REGULATOR	As Req	EA	W/Shop 106(PPG)	Part No is fro OEM
57	9022020-010	DIGITAL VERNIER CALIPER	As Req	EA	W/Shop 106(PPG)	Mitoty
58	10G/AMF-3226	TEMP RECORDER PAPER Z-TYPE B	As Req	BOX	W/Shop 106(PPG)	75X200MM 150P
59	SUS303	TEE FITTING	As Req	EA	W/Shop 106(PPG)	Material steel size 6,8,10,12mm
60	PU6	STRIGHT FITTING	As Req	EA	W/Shop 106(PPG)	Material steel size 6,8,10,12mm
61	EGLC31CC	CROSS X FITTING	As Req	EA	W/Shop 106(PPG)	Material steel size 6,8,10,12mm
62	34D/9100542	GEAR OIL	As Req	LTR	W/Shop 106(PPG)	Warco SAE50
63	701101NF	COOLING FLUID-30 NF	As Req	LTR	W/Shop 106(PPG)	Physical &chemical properties sheet attached
64	3415-76-700-009	CUTTING DISC 100X1MM	As Req	EA	W/Shop 106(PPG)	Flexovit
65	NLG1GRADE3	VEGA-MP LITHUM BASE GREASE D.P 190CDEGREE	As Req	KG	W/Shop 106(PPG)	Shell
66	9.5X11-1PLY	STOCK SHEET FOR CMM	As Req	EA	W/Shop 107	9.5X11-1PLY
67	10AG/AMF-123	POLISHING HEAD 210-6300K	As Req	EA	W/Shop 107	210-6300K
68	ZDGT150404R-K85	INSERT0.4	As Req	EA	W/Shop 107	Insert 0.4
69	KEN-210-1120K	6X12MM CARBIDE BURS	As Req	EA	W/Shop 107	Dia 6X12MM CARBIDE BURS
70	C13516.0	END MILL(DORMER)	As Req	EA	W/Shop 107	2/16x24x60x110R0
71	C13520.0	END MILL(DORMER)	As Req	EA	W/Shop 107	2/20x24x60x120R0
72	JZLZ/15*55*65	DRILL REAMER 15MM	As Req	EA	W/Shop 107	2/15x55x65
73	JDXBZY4GWT/16*36*50R3	END MILL	As Req	EA	W/Shop 107	4/16x36x50x100R3
74	GGXLZY2/20X24X60R3	SPECIAL MILLING CUTTER	As Req	EA	W/Shop 107	2/20x24x60x110R3
75	211BM/AMF-353	LAN CARD	As Req	EA	W/Shop 109	220 Volt, Wire length 100M , 04 Sockets
76	ZYC2-65C	CORBON FELT	As Req	FT	W/Shop 110	Felt is insulation sheet 1 inch thickness made of graphite material,
77	WP80-T-2.5/100	DOUBLE GUAGE WATER	As Req	EA	W/Shop 110	Both Temparture and pressure can be measurable in one guage.

						Temperature range = 0 ~ 120C and Air Pressure range = 0 ~ 6bar
78	5A/AMF-109	ELECTRIC DRYER	As Req	EA	W/Shop 110	Dewalt company,DW 340 CE, 220/240V, 50Hz, 2000Watt, 300-650/IPM, temperature 50 to 600°C
79	M22520-HN	SOLENOID VALVE	As Req	EA	W/Shop 110	Size as per standard part no M22520-HN M09-1,100% ED , 24V , 2.5W , 104mA , Germany Airtech,
80	GX-10	RECORDER	As Req	EA	W/Shop 110	OEM: Yokogawa Japan Input voltage 220V Minimum 5 Channel Data Recorder must include these settings from OEM (a) Channel 1: S type thermocouple , (b) Channel 2: Mode LOG, Range 20V , (1E-1 Pascal ~ 1E+5 Pascal) (c) Channel 3: Mode LOG, Range 20V , (1E-1 Pascal ~ 1E+5 Pascal) , (d) Channel 4: Pressure mBar Range (4~20mA) 0mbar-2000mbar, (e) Channel 5: PT 100 RTD Additional Features : Paperless , USB interface , Touch system , Printer connectable , Vacuum LOG
81	3216/CC/VH/LRXX/R /G/ENG	TEMPERATURE CONTROL	As Req	EA	W/Shop 110	OEM: Eurotherm Invensys England. Input Voltage 220V , RTD PT100 Additional Features : Paperless , Dual USB interface , touch system, printer connectable
82	ZYC2-65-LUTE	VACUUM LUTE	As Req	KG	W/Shop 110	Color Black , Physically gummy clay, resistance against leakage from Different valve joints / Vacuum Areas joints
83	BRUSH-(2)	ECO FRIENDLY PAINTING BRUSH	As Req	EA	W/Shop 110	
84	COTTON-100	UNDERSHIRT CLOTH	As Req	KG	W/Shop 110	
85	ZYC2-65	VACCUM OIL QUENCHING AIR COOLING FURNACE	As Req	EA	W/Shop 110	Specification Attached

86	2.0VVP-20Q-34/48HV	LARGE SIZE VERTICAL VACUUM OIL QUENCHING AIR COOLING FURNACE	As Req	EA	W/Shop 110	Specification Attached
87	FXC(110-55)	FIRE CLAY	As Req	KG	W/Shop 110	Furnace use upto 1500 Degree C
88	RIP-GSK-RGT600-001-100B-5E	HAND WHEEL RIP	As Req	EA	W/Shop 52	Local
89	GB4028X40/104-004	SAWING BLADE (27X0.9 3/4 T M 42 UK)	As Req	EA	W/Shop 52	Local
90	BOR8	BORING BAR 8MM	As Req	EA	W/Shop 52	Dia 8mm