

HBL

HABIB BANK

حیب بینک

Deposit Slip

Customer Copy

Branch:	HBL Kamra	Date:	D D M M Y Y Y Y	1 2 1 1 2 0 2 4			
Account Title	اکاؤنٹ ہولڈر کا نام PPRA						
IBAN:	PK 17 H A B B 0 0 0 4 5 4 0 0 1 3 1 0 0 7 0 1						
Currency:	<input 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 نقد					AMOUNT رقم		
BANK / BRANCH	بینک / براچ	CHEQUE/INSTRUMENT NO. چیک نمبر					
HBL Kamra			15000/-				
Cantt							
TOTAL AMOUNT			مجموع 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 CD				
Depositor's CNIC No.	1620209830003		Account: PUBLIC PROCUREM Date: 2024-11-12				
Depositor's Account No.			IBAN PK17HAB80004540013100701				
				Amount: *****15,000.00 PKR			
				Charges: *****580.00			
				Teller 7378 149 Time 11.44.03.308800			
Received By:	وصول کنندہ	Depositor's Signature	دستخط جمع کنندہ	(As per Terms & Conditions on reverse) (Not official unless validated)			

29721948



PAKISTAN AERONAUTICAL COMPLEX, KAMRA AIRCRAFT MANUFACTURING FACTORY

TENDER NOTICE : OPEN TENDER
AMF/751-A/4607/LOG DATED 12 November, 2024

TO BE OPENED ON : 26 November, 2024

TENDER INQUIRY : 07

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 **26 November, 2024**. 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

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.

AMF/751-A/4607/LOG (PC-07) DATED 12 Nov, 2024

S No	Part No	Noun	Qty	UI	Section	Remarks
1		IP fix camera (8 MP) With Installation and commissioning	23	EA	F/ASSY	8 Megapixel 1/2.4" progressive scan CMOS H.265+ / H.265 / H.264+ / H.264 Compression Main stream 50 Hz: 25 fps (3200 x 1800),(2688 x 1520),(1920 x 1080),(1280 x 720) 60 Hz: 30 fps (3200 x 1800),(2688 x 1520),(1920 x 1080),(1280 x 720) IR Light range up to 40 meter ,Day/Night (ICR),0 Lux,3DNR, AWB, AGC, BLC, True WDR (120dB) Minimum Illumination 0.03 Lux/b F1.4 Max aperture Intelligent Video Analytics: Tripwire/Line crossing, Intrusion, Object Abandoned/Missing, Face detection, Motion detection , lens 4mm ,2/1 Alarm in / out, 1/1 audio in/out, 0 Lux performance, Smart IR Supported Micro SD memory, IP67, IK10,POE+,POE,ONVIF Profile S&G,API, built in microphone , audio supported , built in memory card slot up to 512GB,alumunium alloy body Operating Conditions -30 to +60 C, Lightning proof , surge protection Junction Box , Pole Mount included Certifications: CE (EN 60950 : 2000), UL : 60950-1, FCC: Part 15
2		Network Video Recorder (16 Channel dual HDD)	2	EA	F/ASSY	H.265+ / H.265 / H.264+ / H.264 video formats, upto 16 ch IP cameras inputs . HD video output HDMI at upto 4K resolution, VGA outputs , upto 2 SATA interfaces for HDD connection . 8 Channel synchronous playback at upto 1080p resolution. Support

						multiple VCA events. Smart switch, Smart playback, 2 self-Adaptive 100/1000 Mbps Ethernet interfaces,smooth streaming technology, 1 x HDMI ports ,2K (2560 x 1440) / 60Hz , 1920 x 1080 / 60 Hz , HDMI 2 / VGA independent output, Audio output , two way audio input , Recording resolution 8MP, 6MP, 5MP, 4MP,3MP, 1080p, UXGA, 720 Rear panel USB port. Power supply 100-240VAC. Working temperature -10 to 55 C , 19 inch Rack mounted . 1 Year OEM warranty.
3		Network Video Recorder (8 Channel)	1	EA	F/ASSY	H.265+ / H.265 / H.264+ / H.264 video formats, upto 8 ch IP cameras inputs . HD video output HDMI at upto 4K resolution, VGA outputs , upto 1 SATA interfaces for HDD connection . 4 Channel synchronous playback at upto 1080p resolution. Support multiple VCA events. Smart switch, Smart playback, 2 self-Adaptive 100/1000 Mbps Ethernet interfaces,smooth streaming technology, 1 x HDMI ports ,2K (2560 x 1440) / 60Hz , 1920 x 1080 / 60 Hz , HDMI , VGA independent output, Audio output , two way audio input , Recording resolution 8MP, 6MP, 5MP, 4MP,3MP, 1080p, UXGA, 720 Rear panel USB port. Power supply 100-240VAC. Working temperature -10 to 55 C , 19 inch Rack mounted . 1 Year OEM warranty.
4		Hard drive 6TB	5	EA	F/ASSY	Surveillance Grade SATA interface 6GB/S , 6TB capacity , 1 year warranty
5		UTP Cable	9	ROLL	F/ASSY	

6		4 Port POE Switch 2uplinks gigabit	11	EA	F/ASSY	4 x gigabit POE ports, 2 x gigabit uplink ports, IEEE 802.3at/af standard for POE ports. Network topology management, 6KVA surge protection for POE ports. Switching capacity 10 GB/s, POE power budget 65 W,metal material , fan free design, operating temperature -10 to 55 C , power supply 48V 2.5A , support up to 150 meter transmission . 1 year OEM warranty
7		8 Port POE Switch 2uplinks gigabit	2	EA	F/ASSY	8 x gigabit POE ports, 2 x gigabit uplink ports, IEEE 802.3at/af standard for POE ports. Network topology management, 6KVA surge protection for POE ports. Switching capacity 20GB/s, POE power budget 110W,metal material , fan free design, operating temperature -10 to 55 C , power supply 48V 2.5A , support up to 150 meter transmission . 1 year OEM warranty
8		UPS 1 KVA	3	EA	F/ASSY	Output power capacity : 700 watts / 1 KVA , Nominal output voltage : 220 to 230V , output voltage distortion : Less than 5% at full load , output frequency (sync to mains) : 47-53 Hz nominal, 57 – 63 Hz for 60 Hz nominal , Online , pure sine wave , LCD display, Built in AVR . 1 year OEM warranty
9		Metal bracket for cameras	6	EA	F/ASSY	
10		Maintenance free Battery (150AH)	3	EA	F/ASSY	Maintenance free sealed Gel polymer battery , 12V 150AH , 1 year warranty
11		1 U rack	11	EA	F/ASSY	1u wall mount enclosure, ventilated front and side panels for increased air flow, meets all industry standards.

12		6 U rack Floor standings	3	EA	F/ASSY	6 U wall mount enclosure, ventilated front and side panels for increased air flow, meets all industry standards.
13		HDMI Cable (5 meter)	1	EA	F/ASSY	
14		HDMI Cable (20 meter)	02	EA	F/ASSY	
15		Wireless Mouse	3	EA	F/ASSY	
16		8 Port gigabit switch	1	EA	F/ASSY	8 x gigabit ports, IEEE 802.3at/af standard for POE ports. Network topology management, 6KVA surge protection for POE ports. Switching capacity 56GB/s, POE power budget 225W, metal material, fan free design, operating temperature 0 to 45 C, power supply 100 to 240VAC 4A max, support upto 300 meter transmission. Rack mount. 1 year OEM warranty
17		LED 55" with mount	3	EA	F/ASSY	55 inch 4k LED monitor, built in Android system, LED backlight 3840x2160, Auto Voltage (AC90~240V)(± 10%) power supply, 350cd/m2 Brightness/Luminance, Contrast Ratio 4000:1, 178/178 view angle, HDMI 2.0 x 2, USB 2.0 x 1, Audio x 1, RJ45x1, LANx1 inputs, Wall Mount Bracket.
18		PVC pipe 1" with bend socket	1250	MTR	F/ASSY	
19		Cable Tie	40	PKT	F/ASSY	
20		PVC duct (16X38)	25	EA	F/ASSY	
21		Metallic bracket	14	EA	F/ASSY	
22		Power Cable (2.5mm 2 core)	10	ROLL	F/ASSY	
23		Flexible pipe	2	ROLL	F/ASSY	
24		Electric connector (60 Amp)	12	EA	F/ASSY	
25		PDU	3	EA	F/ASSY	
26		Pipe clips metallic	6	DZN	F/ASSY	
27		Outdoor box	1	EA	F/ASSY	
28		USB extension (20 meter)	1	EA	F/ASSY	

29	15303825-12-041-2	TEMPERATURE RECORDER	2	EA	Building 111 (ST Shop)	
30	2024-T3	ALUMINIUM SHEET FOR TEST COUPENS (1MM THICK)	2	M2	Building 111 (ST Shop)	
31	103039-93	AMPARE METER	6	EA	Building 111 (ST Shop)	
32	71A/129	EMPTY CYLINDER OXYGEN BREATHING	5	EA	Log Sqn JF-17	
33	10G/AMF-002	DATA CABLE ECG MACHINE (14 PINS)	1	EA	MI Room (JF-17)	
34	14A/AMF-98	PHOTO COPY MACHINE CANNON IR-2525	1	EA	PACIT	
35	211BM/AMF-295	PRINTER LASER HP1300	1	EA	PACIT	
36	211BM/AMF-279	HP LASER JET PRINTER COLOURED	1	EA	PACIT	
37	14A/PAF-13-5	BATTERY CHARGER	1	EA	Photo Flt (JF-17)	
38	FLECK2850	CONTROL VALVE (FLECK)	1	EA	PMI (JF-17)	
39	TC-25X33X7	OIL SEAL	3	EA	PMI (JF-17)	
40	OD39X2MM	O RING SEALING RUBBER RING WASHER	3	EA	PMI (JF-17)	
41	6SL3000-0BE31-2AA0	SIEMENS ACTIVE LINE FILTER MODULE 120KW	1	EA	PMI (JF-17)	Specifications:- IR= 220 Amp , UR= 480/275 V Frequency = 45-65HZ , Power = 120 KW
42	LMCJ6S003C30PS	LCD DISPLAY MODULE	1	EA	PMI (JF-17)	
43	JW2-11AZ/3	LIMIT SWITCH 3NO/3NC	1	EA	PMI (JF-17)	
44	STOREJET-25M3	PORTABLE 2TB EXTERNAL HARD DRIVE	2	EA	PMI (JF-17)	
45	NFC-VEGF	FIBER GLASS FABRIC	200	MTR	PMI (JF-17)	
46	701959	HIGH TEMPERATURE DOOR SEAL ROPE	20	MTR	PMI (JF-17)	
47	304SSDISC	DN50 GEAR OPERATED BUTTERFLY VALVE	5	EA	PMI (JF-17)	
48	PGL-G	CENTRIFUGAL PUMP (SUMP TANK)	1	EA	PMI (JF-17)	
49	SS316	SQURE STAINLESS STEEL WIRE MASH	5	FT2	PMI (JF-17)	
50	1760C	HIGH TEMPERATURE CERAMIC GLASS WOOL	5	RL	PMI (JF-17)	
51	DT-60330	CHIESAL AND POINT BIT SET	1	SET	PMI (JF-17)	
52	3443-K28	ELECTRIC BLOWER	1	EA	PMI (JF-17)	
53	WRS3000VX	SELF CONTAINED SOLDER/DESOLDER STATION 220V	1	EA	PMI (JF-17)	
54	LDB4-81B(6140)	TURRET TOOL POST	1	EA	PMI (JF-17)	
55	MPM489	SENSOR	1	EA	W/Shop (105)	
56	505-647-50	DIAL CALIPER 0-200 (MITUTOYO)	1	EA	W/Shop (105)	
57	10G/AMF-667	HAND REAMER 4H8	3	EA	W/Shop (105)	
58	10AG/AMF-1320	TAP M3	1	SET	W/Shop (105)	
59	10G/AMF-626	HAND REAMER DIA3H9	2	EA	W/Shop (105)	

60	32121055	ANOLOG PRESSURE GAUGE 600PSI/4000KPA(DIA 6ZCM/2.5INCH&)	1	EA	W/Shop (105)	
61	3070704	AIR PRESSURE REGULATOR VALVE 15MPA/2175PSI	1	EA	W/Shop (105)	
62	P2220	OSCILLOSCOPE VOLTAGE PROBE 104-516	2	EA	W/Shop 104(a)	
63	1A/NIV-L-539	TIN OPENER	1	EA	W/Shop 104(a)	
64	3443-K28	ELECTRIC BLOWER	1	EA	W/Shop 104(a)	
65	18208	FRICITION WASHER	35	EA	W/Shop 106(PPG)	
66	10G/AMF-3226	TEMP RECORDER PAPER Z-TYPE B	2	BOX	W/Shop 106(PPG)	
67	0821300355REXROTH	FILTER REGULATOR	2	EA	W/Shop 106(PPG)	
68	10G/3227	TEMP RECORDER RIBBON CASSETTE	3	EA	W/Shop 106(PPG)	
69	DR-210A	TEMPERATURE RECORDER WITH SENSOR -50°C TO 50°C 12V, 24VDC	1	EA	W/Shop 106(PPG)	
70	CR2	LITHIUM BATTERY 3V	2	EA	W/Shop 106(PPG)	
71	701101NF	COOLING FLUID-30 NF	40	LTR	W/Shop 106(PPG)	
72	2860BF6B010000	TEMPRETURE RECORDER	1	EA	W/Shop 106(PPG)	
73	437106(UR20000)	TEMPRETURE RECORDER	1	EA	W/Shop 106(PPG)	
74	24300156	TIMING BELT	1	EA	W/Shop 106(PPG)	
75	ESG/B-FRTB1	TEMPRETURE ALARM CONTROLLER	2	EA	W/Shop 106(PPG)	
76	65414594	PROXY SWITCH	1	EA	W/Shop 106(PPG)	
77	60518464	PUSH BUTTON	1	EA	W/Shop 106(PPG)	
78	46252019	SERVO VALVE	1	EA	W/Shop 106(PPG)	
79	42160060	SEAL SET	1	EA	W/Shop 106(PPG)	
80	517025	VERNIER CALIPER (Manual 0.300 Mitotoyo)	1	EA	W/Shop 106(PPG)	
81	211BM/AMF-353	LAN CARD	1	EA	W/Shop 109	
82	2738/06	DISCAL SAW CUTTER (350X3.4X32MM)	1	EA	W/Shop 109	
83	YTN-150TQ	MANOMETER (0~60MPA)	3	EA	W/Shop 109	
84	Y-100ZT	MANOMETER (0~10MPA)	3	EA	W/Shop 109	
85	YB-150ZT	MANOMETER (0~1.6MPA)	1	EA	W/Shop 109	
86	YTN-100TQ	MANOMETER (0~40MPA)	2	EA	W/Shop 109	
87	YTN-150TQ	MANOMETER (0~60MPA)	1	EA	W/Shop 109	
88	446537A	BEND DIE DIA 27 CLR 81 WITH INSERT GRIP LENGTH 54	1	EA	W/Shop 109	
89	446541	CLAMP DIE DIA 27 GRIP LENGTH 54	1	EA	W/Shop 109	
90	446538AC	WIPER DIE DIA 27 CLR 81 STEEL	1	EA	W/Shop 109	
91	17702	BOOSTER PUMP OIL N-62 (NONE-LIFE)	5	LTR	W/Shop 110	

92	10G/AMF-192	ECG MACHINE 3 CHANNEL	1	EA	MI ROOM	(Model IKO3 or Equivalent)
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