

**PAKISTAN AERONAUTICAL COMPLEX, KAMRA
MIRAGE REBUILD FACTORY**

TENDER NOTICE : OPEN TENDER

Tender reference : MRF/Log/26-27/OT-01
Tender No : OT-01
Publishing date : 15 July, 2026
Last date of submission of bids : 30 July, 2026 (1000 Hrs)
Opening date & Time : 30 July, 2026 (1100 Hrs)

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 respectively. 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 (color printed).** The quotations shall be addressed to Managing Director MRF, 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 submission, 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** (where applicable), **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 **(remaining life not less than 75 % at time of delivery)** 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. **Unit of issue** must be same as mentioned in tender notice. 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 MRF, Kamra premises with all liabilities on Suppliers)** and confirmation to the terms and condition of MRF 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 favor of **Public Fund Account MRF 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 MRF 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 contains under mentioned information.

- (a) Quote Validity should be minimum **90 days** and extendable on request. Quotations with less validity will be rejected.
- (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 MRF, 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, MRF 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 (**remaining life not less than 75 % at time of delivery**) 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 MRF.**
- (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 MRF 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 MRF karma, for at least 03 years.
- (l) MRF 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 MRF.
- (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, MRF 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 MRF, 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 **051-90994414, 90994727.**

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 **BLACKLISTED / UNDER EMBARGO / DELISTED** 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 Indigenous Provisioning office, MRF with **tender Inquiry number and opening date.**

Officer In charge Indigenous Provisioning
Mirage Rebuild 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 **1000 Hrs on 30 July, 2026**. All quotations are to be dropped in the tender box placed at the MRF Guard Room. No quotation will be accepted in photocopy, through Fax and after due date and time. Tender will be opened on **same day at 1100 Hrs** in the presence of witnessing officers and available representatives of the firms in Officer In charge Indigenous Provisioning. MRF 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.

13. List of items can also be downloaded from PPRA website www.ppra.org.pk and as well as PACB website www.pac.org.pk free of cost or can be collected from Dte of Log (Local Purchase Section) MRF PAC Kamra Distt Attock from **16 July, 2026** during working hours (except holidays).

Yours Sincerely,

MRF QUALITY SYSTEM REQUIREMENTS

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

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 MRF.
4. Obtain approval from MRF of changes in product / process.
5. Provide Objective evidence of the quality of product.
6. To ensure product conformance to specified requirements.
7. To provide manufacturing date and Lot number.
8. To provide shelf life and expiry date as applicable
9. Competence, including any required qualification of persons.
10. The external providers' interactions with the organization.
11. Control and monitoring of the external providers' performance to be applied by the organization.
12. Verification or validation activities that the organization, or its customer, intends to perform at the external providers' premises.
13. Supplier (External providers) apply appropriate controls to their direct and sub-tier Suppliers (external providers), to ensure that requirements are met.
14. Design and development control.
15. Special requirements, critical items, or key characteristics.
16. Test, inspection, and verification (including production process verification).
17. The use of statistical techniques for product acceptance and related instructions for acceptance by the organization.
18. 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.
19. 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.
20. 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.

MRF/Log/2026-27/OT-01 Date of Publishing 15 July, 2026 Last Date of Bids Submission 30 July, 2026

S No	Part No	Noun	U/I	Qty	Shop	Remarks / Specifications
1	5805/PK25600001	UPS 10KVA Branded	Ea	01	Dte of IT MRF	As per attached list
2	12-N-3000-176-1-5-21-R11NX	Thermocouple (N) Type	Ea	12	HT shop J69 O/H Project	As per user requirement
3	12-K-3000-176-15-21-R100KX	Thermocouple (K) Type	Ea	12		As per user requirement
4	VLS360	Laser Etch	Ea	01	JFS O/H Shop	Part No: - VLS360 Noun: - Laser Etch
5	F114	Indian Stone	Ea	50	Metal Shop (Atar)	Part No: - F114 Noun: - Indian Stone
6	SDS-1600	Ball Tip Scriber	Ea	01	Inspection Services TFE 731	As per attached list
7	80534	Insert	Ea	10	Machine Shop T-56	As per sample
8	P1413	Loctite EA 9658 100 NWG Aero	Pkt	01	Mat Lab	Part No: - P1413 Noun: - Loctite EA 9658 100 NWG Aero Make / Made: - Henkel USA
9	METCO-308-NS	Powder Plasma	Lbs	50	Plasma Shop T- 56	Chemistry: - Ni 15 Graphite Particle Size: -90+30µm (-170 mesg+30 µm) Morphology: - Clads Specification: - Honey Well Allied Signal EMS 57739 Pratt Whitney PWA 1352-1

10	METCO307NS	Powder	Lbs	10	Plasma Shop TFE731	Chemistry: - Ni 25 Graphite Particle Size: -90+30µm (-170 mesg+30µm) Morphology: - Clads Specification: - Honey Well Allied Signal, FP5045AB, Type XI, Pratt Whitney PWA 1352-2
11	ULPROFR3353	Ultra-Leather Tundra	Rol	25	DA-20 A/C	Part No: - ULPROFR3353 Noun: - Ultra-Leather Tundra
12	4746675	Curtain Fabric Blue	Rol	20		Part No: - 4746675 Noun: - Curtain Fabric Blue
13	AF1847/2934	NFT Grey	Ly	15		Part No: - AF1847/2934 Noun: - NFT Grey
14	51606	Antiseize Compound C335	Can	8	AW-139 RMC	Code: - C335
15	100105-000	Light Paraffin Oil C448	Gln	1		Code: - C448
16	100205-000	Cleaner C 451	Gln	2		Code: - C451
17	8305PK1010001	Spl Lint Free Cloth (cleaning material)	Mtr	16		Code: - C011
18	AMS-S-8802(PROSEAL890) TYPEIICLASSB-2	Sealing Compound	Tub	16		Code: - C004
19	AMS-S8802CTYPEIICLASSB	Cleaning compound C30	Btl	8		Code: - C030
20	AMS-S-8802CTYPEIICLASSBGR	Sealing Compound (C030)	Tub	48		Code: - C030
21	ARDROX5503	Cleaning Solvent	Ltr	80		Code: - C010
22	Ardrox6333	Solvent C450	Can	2		Code: - C450
23	ARDROXAV40	Corrosion Inhibitor (C551)	Ltr	7		Code: - C551
24	ARDROXAV15	Corrosion Inhiabitor (C343)	Btl	8		Code: - C343
25	CCC-C-440CLASS1	Cheesecloth C028	Ea	8		Code: - C028

26	D50TF6-S1GeneralElectric	Corrosion Preventive C132	Can	3			Code: - C132
27	EA934NA	Adhesive	Kit	8			Code: - C397
28	EA960F	Filer (C194)	Ea	8			Code: - C194
29	LEATHERINKREMOVER	Cleaner ink C271	Btl	1			Code: - C271
30	Loctite 7031	Solvent	Btl	8			Code: - C023
31	LOCTITE222	Adhesive Thread Locking Low Strength	Ea	7			Code: - C029
32	LOCTITE290FL50ML	Adhesive	Ea	3			Code: - C036
33	LOCTITE569	Sealant (C429)	Btl	7			Code: - C429
34	LOCTITE640	Loctite640(P-510)	Tub	7			Code: - C375
35	LOCTITE8009	Anti-seize Compound	Tub	7			Code: - C384
36	LOCTITEQUICKCLEAN7031	Loctite C023	Btl	8			Code: - C023
37	MC-780B-2	Nato Seal	Tub	16			Code: - C465
38	ASTMD740	Methyle Alcohol Mek	Ltr	16			Code: - C005
39	MIL-C-16173	Corrosion Prevent	Pt	8			Code: - C003
40	MIL-C-16173DGRADE3AMS3066	Androx AV 25 C272	Btl	7			Code: - C272
41	MIL-G-21164	Grease Aeroshell No 17	Kg	15			Code: - C328
42	MIL-L-23398TYPEII	Solid Film Lubricant	Bt	16			Code: - C027
43	MIL-PRF-16173EGRADE4	Corrosion Inhibitor C038	Ea	16			Code: - C038
44	MIL-PRF-16173EGRADE1	Corrosion Inhibitor C002	Gl	7			Code: - C002
45	MIL-PRF-23377KTYPECLASSC2	Epoxy Primer C042	Ea	8			Code: - C042

46	MIL-PRF-23699G	Engine Oil (C007)	Qtz	168		Code: - C007
47	MIL-PRF-23827A	Grease (1 CAN = 3KG)	Kg	7		Code: - C119
48	MIL-PRF-5606	Hydraulic Fluid	Ltr	182		Code: - C052
49	MIL-PRF-6081	Lubricating oil	Gl	38		Code: - C265
50	MIL-PRF-6799K	Protective Coating C247	Can	16		Code: - C247
51	MIL-PRF-8116	Corrosion Inhibitor Compound C621	Ltr	23		Code: - C621
52	MIL-PRF-81322F	Aero Shell Grease 22 CF	Kg	15		Code: - C009
53	MIL-PRF-85285TYPE1CLASSH	Polyurethane Lacquer C138	Ltr	8		Code: - C138
54	MIL-PRF-85704	ZOK-27 (C228)	Ltr	35		Code: - C228
55	MIL-PRF-907	Anti-Seize Lubricant	Kg	8		Code: - C149
56	MIL-R-46082TYPEIII	Adhesive	Btl	8		Code: - C045
57	MIL-S-22473EGRADETFORMR	Primer T7471 (C360)	Btl	8		Code: - C360
58	MIL-S-38249Type1	Sealing Compound C032	Kit	8		Code: - C032
59	MIL-S-53021A	Fuel Additive C246	Can	16		Code: - C246
60	MIL-S-8802TYIICLB2	Sealant Proseal 890BB2(C153)	Ea	8		Code: - C153
61	MMM-A-132TYPE1CLASS3	ADHESIVE	Can	8		Code: - C057
62	MOLYKOTEDX	Lubricant (C121)	Tub	7		Code: - C121
63	MS20995C15	Safety Wire C401	Lb	4		Code: - C401
64	MS20995C32	Wire Welding	Lb	4		Code: - C014
65	MS20995C41	Wire Non-Electrical	Lb	4		Code: - C241

66	PAG46	Premium Air Lubricant Oil	Btl	8	Code: - C428 Code: - C115 Code: - C164 Code: - C209 Specification; Petrolatum, White Ref. Open Technical Grade US Fed AN-P-51PMC 9609 Specification; Compound, Sealing, Silicone Ref. Dow Corning No. 4US. MIL-S-8660PMC 9926(CPW 326) Specification; Solvent, Petroleum US. AMS 3160US MIL-PRF-680 Type IIPMC 9001 Specification; Cleaner, Engine Ref. Target PMC 79783 Specification; Cleaner, Alkaline Gel Ref. Avia Wash Green Gel SPMC 110 Specification; Cleaner, Solvent Ref. LPS Pre solve CleanerC01420 Specification; Rust Remover Alkaline (Liquid)Ref. Mag-Chem HDL-202SPMC 129 Specification; Compound, Corrosion Preventive, Thin Film (Fingerprint Removing) Ref. Rust ban 392US. AMS 3065MIL-C-15074
67	PARKERSUPERO-LUBE	Parker o Lube Grease (C115)	Tub	7	
68	PR1440B2	Sealant	Kit	16	
69	PR1828CLASSB-1/2	Sealant (C209)	Ea	16	
70	PWC06-002	White Petroleum	Ea	8	
71	PWC09-003	Silicon Sealing Compound	Ea	8	
72	PWC11-027	Petroleum Solvent	Ea	7	
73	PWC11-031	Engine Cleaner	Ltr	2	
74	PWC11-034	Detergent Gel	Can	2	
75	PWC11-045	Solvent LPS Precision Clean	Ltr	8	
76	PWC11-061	Solvent Rust Stripper	Ltr	8	
77	PWC15-003	Compound Corrosion preventive	Can	8	

78	RTV106	Sealant	Btl	6		Code: - C142
79	SAEAMS-S-8802BTYPETIIICLASSB-4	Sealing Compound (C20)	Kit	8		Code: - C020
80	TG8498-50	Thixoflex Gray	Tub	8		Code: - C347
81	TT-I-735GradeA	Isopropyl Alcohol C039	Ltr	8		Code: - C039
82	TT-N-95TypeII	Alphatic Naphtha	Gl	7		Code: - C059
83	1494F-NL30	Switch Disconnet	Ea	01	Accessories T-56	As per attached list
84	PWA50010-2	Test STD F.Nozzel	Ea	01	F100	As per user requirement
85	MIL-F-7024TYPEII	Test Fluid (Fuel)	Gl	60	TFE 731	As per attached list
86	92-244	Signal Conditioners	Ea	01	Fuel Regulator Shop	As per attached list
87	126	Gauge Pressure (0-60 PSID)	Ea	01	Accessories T-56	As per attached list
88	MC3030	Stablized Supply	Ea	01	Fuel Regulator Shop	As per attached list
89	5510PK0960002	Working Table	Ea	As Req	Accy O/H Wing	As per attached list
90	CB-1/CB-2	Cleaning Booth	Ea	01	Mechanical Bay	As per attached list
91	PAH932	Oil Accy Test Rig	Ea	01	Test Rigs Shop	Scope Of Work : I. Repair of Digital flow metering system. II. The repair of above-mentioned system to be carried out as per defect (The system does not read the flow) Repair Warranty of 02 years.
92	3034016	T-56 Oil Accy Test Stand	Ea	01	Accessories T-56	
93	EV2983B	Linear Multi Flow Meter (LMM)	Ea	01	Fuel RIG Shop Accy	As per attached list

94	SDS-0600	Ball Tip Scriber	Ea	01	T56 Inspection Services	Stylus tip diameter should be 0.0600 inch. Tip surface finish shall be 4 micro inches or better. Stylus tip hardness shall be Rockwell C55 to C60. Stylus will be acceptable with manufacturer calibration certificate.
95	337-204	Digimatic Inside M/Meter	Ea	01		Manufacturer: Mitutoyo (Japan) Range : 8-9 inch (with 07 extensions of different ranges) Accuracy : ± 0.0002 inch

S No 01 Specifications of UPS 10KVA Branded

S No 06 Specifications of Ball Tip Scriber

TECHNICAL SPECIFICATIONS OF UPS KVA WITH EXTERNAL BATTERY BANK AND CABINET

UPS 10 KVA	
Brand	Well reputed
Rated Power	10 KVA
Wave Type	Pure sine wave
UPS Type	Online
Emergency Power Off Features	Yes
	Double conversion, Line conditioner, AVR and Surge protection
Primary battery bank	30 Minutes
Backup time	Rack mount with included kit
Mounting mode	All related
Accessories	OEM Standard
Warranty	Yes
Installation and commissioning	
EXTERNAL BATTERY BANK	
Battery type	Lead acid maintenance free batteries
No of battery banks	02
No of batteries in battery bank	32 X 12 Ah
Mounting type	Rack mount with included kit
Warranty	OEM Standard
Accessories	All related
Installation and commissioning	Yes
Cabinet	27 U required

- (a) Scriber tip diameter should be 0.1600 Inch.
- (b) Tip surface finish shall be 4 micro inches or better.
- (c) Scriber will be acceptable with manufacturer calibration certificate.

S No 83 Specifications of Switch Disconnet

Noun: SWITCH DISCONNECT
Part No: 1494F-NL30
Power: 150KW SPD Protection panel with EMI filter & FPD
Protections: Surge protection. Over Voltage, Under voltage.
Phase Failure, EMI filter & frequency protection device.
Box: Standard steel enclosure with powder coated paint
Accessories: Cable terminals, connection & cable required
as per load & site.
Installation: Installation and complete operation check
Warranty: 01 Year

S No 85 (a) Specifications of Test Fluid (Fuel)

Safety Data Sheet
(MIL-PRF-7024 TYPE II)

1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:.....MIL-PRF-7024 TYPE II
CHEMICAL NAME/
CLASS/SYNONYMS:.....Special Run Stoddard Solvent
PRODUCT NUMBER:.....MIL-PRF-7024 TYPE II
UN/NA NUMBER:.....1268
CHEMICAL FAMILY:.....Petroleum Solvent
CAS NUMBER:.....Not appllcable for mixtures.
FORMULA:.....Mixture

COMPANY:JMN Specialties, Inc.
1100 Victory Drive – Westwego, Louisiana USA 70094
Phone (504) 341-3749, Fax (504) 341-5868
www.jmnspecialties.com
EMERGENCY PHONE:CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside
USA +01-813-248-0585.
DATE PREPARED:January 27, 2022

2 – HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION:

Physical Hazards
Flammable Liquids:.....Category 3 - Flammable liquid and vapor
Corrosive Liquids:No Hazard Statement established for this Product

Health Hazards
Acute Toxicity:.....Category 4 - Harmful if swallowed, in contact with skin, inhaled
Skin Corrosion/Irritation:.....Catagory 2 - Causes skin irritation
Eye Damage/Irritation:Catagory 2A - Causes eye irritation
Aspiration Hazard:Catagory 1 - May be fatal if swallowed and enters airways
Carcinogen:No Hazard Statement established for this Product
See Section 11 for additional Toxicological information

EMERGENCY OVERVIEW:

Pictograms:   

Signal Word (GHS-US):DANGER!

S No 85 (b) Specifications of Test Fluid (Fuel)



Safety Data Sheet (MIL-PRF-7024 TYPE II)

Hazard Statements:

Physical Hazards (GHS-US):

H226: Flammable liquid and vapor

Health Hazards (GHS-US):

H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

Environmental Hazards (GHS-US):

H411: Toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US):

P101+P102+P103: If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.
P210+P233+P240+P241+P242+P243+P261+P264+P271+P280: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment pursuant to applicable electrical code. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P235 Keep cool. P405 Store locked up.

Response Statements (GHS-US):

P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. P303+P310+P361+P353: IF ON SKIN (or hair): Gently wash with plenty of soap and water. Remove / Take off immediately all contaminated clothing. P332+P313: If skin irritation occurs: Get medical advice / attention. P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338+P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention. P362+P363 Take off contaminated clothing. Wash contaminated clothing before reuse.
P501: Dispose of contents/container: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations, and product characteristics at time of disposal.

TOTAL VOC's:.....6.42 pounds per gallon

3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT*	CAS NUMBER
Distillates (petroleum), hydrotreated light	50 - 70	64742-47-8
Naphtha (petroleum), hydrotreated heavy	30 - 50	64742-48-9
Nonane	1 - 5	111-84-2

*Any concentration shown as a range is to protect confidentiality or is due to batch variation.

S No 85 (c) Specifications of Test Fluid (Fuel)



Safety Data Sheet (MIL-PRF-7024 TYPE II)

4 - FIRST-AID MEASURES

BREATHING (INHALATION):..... Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.

SWALLOWING (INGESTION):..... Do not give milk or alcoholic beverages. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately.

EYES: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

SKIN (DERMAL): Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.

NOTE TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Material, if aspirated into the lungs, may cause chemical pneumonitis. Skin contact may aggravate an existing dermatitis. Treat appropriately.

5 - FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS: Flammable liquid and vapor

AUTOIGNITION TEMP: > 392°F (200°C)

EXTINGUISHING MEDIA: Determined by surrounding material. In case of fire, use water fog, dry chemical, CO₂, or "alcohol" foam. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

SPECIAL FIRE FIGHTING PROCEDURES: Spilled product on ground may be slippery.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may explode from internal pressure if confined to fire. Cool with water spray. Vapor accumulation could flash or explode if in contact with an open flame.

S No 85 (d) Specifications of Test Fluid (Fuel)



Safety Data Sheet
(MIL-PRF-7024 TYPE II)

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.

WASTE DISPOSAL:Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

RCRA STATUS:If discarded in its purchased form, this product is considered a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

7 – HANDLING and STORAGE

STORAGE: Keep in a tightly closed container, stored in a cool, dry, ventilated area below 44°C (110°F). Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Drum must not be washed out or used for other purposes.

HANDLING:Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.

S No 86 Specifications of Signal Conditioners

SIGNAL CONDITIONER

MODELS:92-244:

COX 92-244 SIGNAL CONDITIONER MOUNT DIRECTLY ON TO THE FLOW TURBINE VIA AN EXPLOSION PROOF JUNCTION BOX (Y1 ENCLOSURE) CONDITIONAL WIRING IS ACCESSIBLE THROUGH A CAP ON THE JUNCTION BOX.THE INTEGRAL PICK OFF IS WIRE TO THE CONDITIONAL AT THE FACTORY AND THREE WIRE CONFIGURATION IS USE FOR POWER AND SIGNAL OUT.INPUT POWER RANGE FROM 18-27 VOLT VDC WITH A NORMAL INPUT OF 24VDC AND MAXIMUM CURRENT DRAW OF 25MA DC.OUT PUT PULSE GENERATED IS 10V PK-PK.THE FREQUENCY RANGE OF 244 IS NEAR ZERO TO 5KHZ.

SPECIFICATION

MODEL	OP-TEMP RANGE(°F)	TYPE	EXP PROOF	MOUNT ORINT	POWER IN	SIGNAL OUT	DIM
92-244	-20-165	MAG	YES	METER	12-30VDC	10V PULSE	Y1 ENCLOSURE

S No 87 Specifications of Gauge Pressure (0-60 PSID)

Noun: GAUGE PRESSURE (0-60 PSID)

Part No: 126 I/L 1126

Made by: MERIAM INSTR A SCOTT FETZER
COMPANY USA

Accuracy: $\pm 0.75\%$ FS

Connection: Back connected 1/4"

Case size: 6"

Range: 0-60 PSID

S No 88 Specifications of Stabilized Supply

STABILIZE SUPPLY

Noun: STABILIZE SUPPLY /SWITCH DISCONNECT

Part No: MC3030

Power: 180KW SPD Protection panel with EMI filter & FPD

Protections: Surge protection, Over Voltage, Under voltage, Phase Failure, EMI filter & frequency protection device.

Box: Standard steel enclosure with powder coated paint

Accessories: Cable terminals, connection & cable required as per load & site.

Installation: Installation and complete operation check

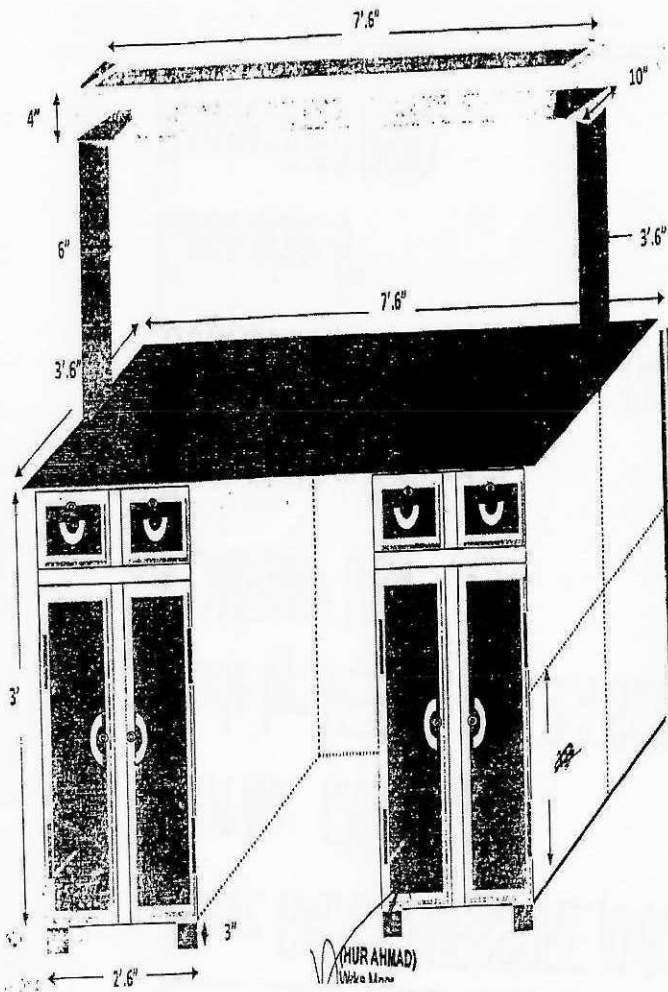
Warranty: 01 Year

S No 89 (a) Specifications of Working Table

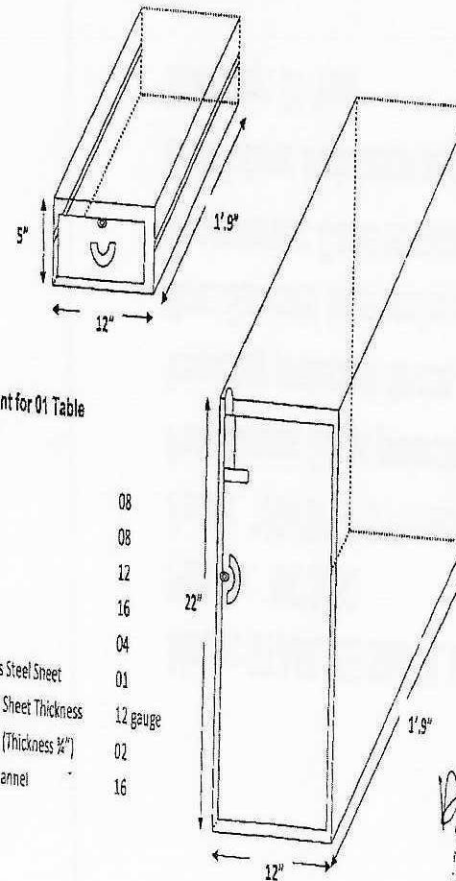
S No 89 (b) Specifications of Working Table

S No 89 (c) Specifications of Working Table

WORKING TABLE
PT NO 5510PK0960002



WORKING TABLE DRAWS
DRAWINGS

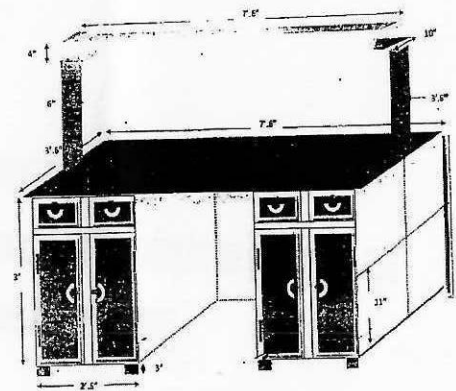


Requirement for 01 Table

1. Short Draw 08
2. Long Draw 08
3. Key Lock 12
4. Handel 16
5. Manual Lock 04
6. Table Stainless Steel Sheet 01
7. Stainless Steel Sheet Thickness 12 gauge
8. Lasaane Sheet (Thickness 1/2") 02
9. Side Railing Channel 16

Part No=5510PK0960002

WORKING TABLE



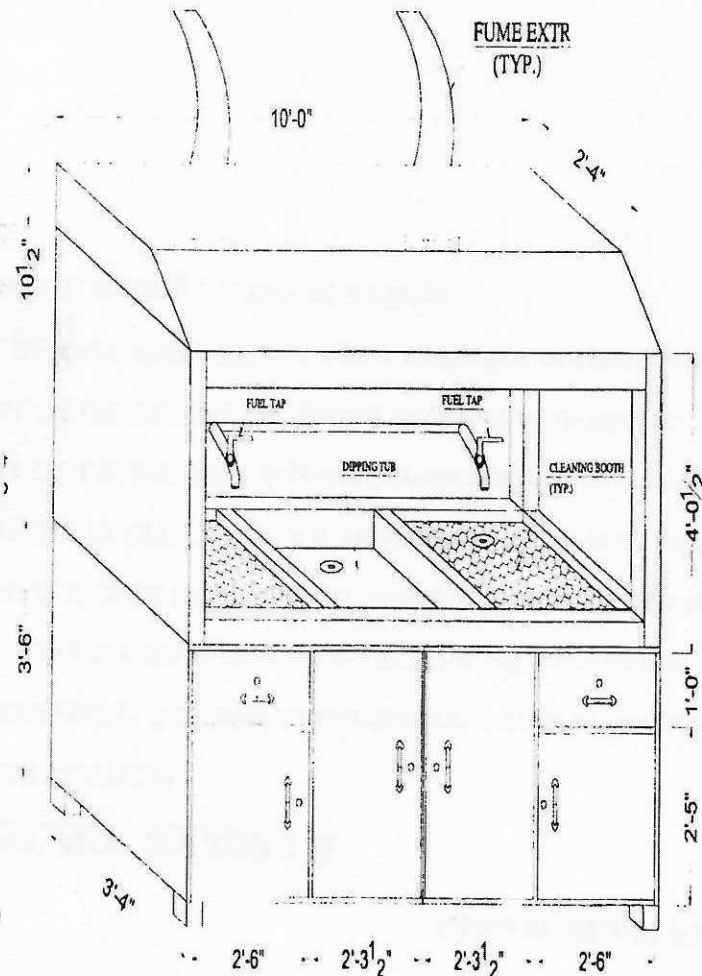
1. As per sample and dimension above
2. Color as per MRF requirement
3. Fitted with LED Lights and working mat
4. Material Mild Steel
5. Sheet thickness 12 gauge
6. Structure Channel *heavy duty*
7. Cabinet 08
8. Long Draws 08
9. Key Lock 15
10. Handle 16
11. Weight capacity 500 kg.

MUR
Wika
OUC
MRF

S No 90 Specifications of Cleaning Booth

MECHANICAL BAY STAINLESS STEEL CLEANING BOOTH

PART NO. CB-1/CB-2



S No 92 Specifications of T-56 Oil Accy Test Stand

SCOPE OF WORK

- (i) Required temperature is not achieved during testing.
- (ii) Temperature relay to trip Test Stand is not working properly.
- (iii) Abnormal noise observed from chiller ~~system~~ ^{system} during testing.

S No 93 Specifications of Linear Multi Flow Meter (LMM)

Linear Multi Flow Meter

PART NO. EV2983 B

SPECIFICATION:

FREQUENCY: 32 Point Linearization curve of frequency verses flow rates

FREQUENCY RANGE: 0.5 Hz -65 KHz with accuracy ± 0.002 Hz $\pm$ least signification digit.

SIGNAL CONDITIONING: on request The LMM can take signals from contact closure.

SENSOR EXCITATION: An adjustable 5 to 24vdc output 100mA each.

ANALOGUE INPUTS: 5-point Linearization, can be either 4-20mA or 0-10vdc

ANALOGUE OUTPUTS: Either 4-20mA or 0-10v dc.

PULSE OUT PUT: TTL or open collector outputs with of 1 hertz to 1 KHz.

RELAYS: Rating : 0.25A at 240Vac