

PAKISTAN AERONAUTICAL COMPLEX, KAMRA MIRAGE REBUILD FACTORY

TENDER NOTICE NO MRF/17-18/03 DATED 25 October, 2017.

1. Mirage Rebuild Factory, Pakistan Aeronautical Complex Board Kamra invites sealed bids from the Original manufacturer / authorized distributors / suppliers / contractor registered with Income Tax and Sales Tax Department and PACB registered for supply of following miscellaneous items on F.O.R Basis (Professional Tax certificate, Punjab is mandatory). Details of requirements is as follows:-

“TEST RIG MACHINE (L/R), DUROMETER, RACK STORAGE STEEL 6X6X3 FT, SAFETY SHOES, MILITARY AIRCRAFT SEIGHING SYSYTEM (LOAD CELL SYSTEM), TEST RIG MACHINE (L/R), COMPUTER INTEL CORE I7 3.4 GHZ OR HIGHER (BRANDED), AIR PRESSURE GUAGE 0-300 PSI, WRENCH SAFETY COUP OUTER MEMBER NUT, PUMP, ADAPTER PIVOT POWER WRENCH, RAM, WRENCH POWER, AIR PRESSURE TRANSDUCER 0-300PSIG+-5%,TRANSFORMER, TORQUE WRENCH, WRENCH SPLINE PLANET JOUNIOR RR RET NUT, LIFT R/G RR CASE ASSY, FIXTURE DAMPLING CUP WASHER, SHEILD HEAT T/M OUTER MEMBER, ADAPTER PIVOT POWER WRENCH, WRENCH SPLINE PLANET JOUNIOR FRT RET NUT, OIL FILTER RGB T/STAND, OIL FILTER RGB T/STAND, WRENCH COMP RR BRG NUT, WRENCH SPANNER SPEED S/W GEAR, PUSHER ENTRANCE GUIDE VANE, OFF-SET BOX, NEEDLE NOSE, SCRIBER, ADAPTER LIFTING TURB ROTOR, WRENCH SPANNER END SLOT, RACK STORAGE STEEL 8X8X3.5 FT, STORAGE CABINET, PAINT REMOVER, COMPRESSOR 7.5 TON, TEST RIG MACHINE (L/R), Walkie Talkie set Gp 2000/5w, STAINLESS STEEL ROD (0.50INCH), LIQUID LINE FLOW METER CALIBRATION SYSTEM (L/R), METHYLE KETONE, CLEANINHG BRUSH, 666-58-SERIES GREY (043556), 666-58-SERIES GREY (043557), 666-58-SERIES BLACK 000807, 666-58-SERIES WHITE, 666-58-SERIES GREEN, THINNER, EPOXY PRIMER 10920-13, REDUCER, SOLVENT, DRILL COLLET,VARNISH, DIGITAL HIGH GUAGE, ACTIVATOR, PRIMER (GREEN EPOXY), REGULATOR NITROGEN, ELECT OVEN, COMPONENT TEST KIT, BRAZING MATERIAL, AIR PRESSURE REGULATOR FOI NITROGEN, RATCHET SET 3 REVERSIBLE, NICKLE POWDER (COMPONENT FOR PWA544-1), UNIVERSAL BATTERY CHARGER, PACKING MK-4 EJECTION SEAT, PACKING MK-6 EJECTION SEAT”.

2. 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 (LP Section) MRF PAC Kamra Distt Attock from 26-10-2017 during working hours (except holidays).

3. The quotations, prepared in accordance with the instruction in the Tender List, must reach at Mirage Rebuild Factory PACB Kamra **before 09-11-2017 at 1000 Hrs. Quotations will be opened on the same day at 1100 Hrs.** The advertisement is also available on PPRA website at www.ppra.org.pk and as well as PACB website www.pac.org.pk

DUE DATE : 09-11-2017 before 1000 Hrs.
TENDER OPENING TIME : 09-11-2017 at 1100 Hrs.

Please contact **Tele # 051-9099-4294 / 4414, 4417** or **Fax No 057-9317412** for any other information.

**DIRECTOR LOGISTICS
MRF PACB KAMRA**





DISTT ATTOCK

Directorate of Logistics MRF, PAC Kamra
Contact No. 051-90994294, 4414 & 4417, Fax No. 057-9317412

LIST OF OPEN TENDER NO MRF/17-18/03
DATED 25-10-2017 OPENING DATE 09-11-2017

SN O	PART NO	NOUN	QTY	U/I	SPECIFICATION
1	BEA-1468	TEST RIG MACHINE (L/R)	1	EA	TEMPERATION METER TN200: 02 VOLT METER VN2000:02 CONNECTOR 85106EC83P50:04 PLUG 532653:04 PLUG 532654:04 TEMPERATURE PROB48030/PT100:04
2	ASTMD2240TYP EM	DUROMETER	1	EA	MAKE/MODEL/RX-1600 OR EQUIVALENT CALIBRATION CERTIFICATE REQUIRED
3	9640/PK0740002	RACK STORAGE STEEL 6X6X3 FT	7	EA	ADJUSTABLE RACKS DIMENSION REQUIRED 6X6X3 FT
4	8405/PK0650002	SAFETY SHOES	57	PR	SHOES WITH STEEL TOE MADE JAGUAR OR EQUIVALENT
5	BW2000	MILITARY AIRECRAFT SEIGHING SYSYTEM (LOAD CELL SYSTEM)	1	EA	REQUIRED MODEL BW2000 OR EQUIVALENT STEM:LOAD CELL STEM HAS ALSO BEEN STRENGTHENED.WIRELESS:CAPTURES SERIAL NUMBERS OF SCALES CORRESPONDING WITH LANDING GEAR CONFIGURATIONS.AUTO CALCULATE CENTER OF GRAVILTY AND %MAC.STORE DATA FILE AND WEIGHING REPORTS.CONNECTS TO DESKTOP PC OR LAPTOP FOR DATA TRANSFER.CALIBRATION:GEC USES A 10 POINT DIGITAL CALIBRATION FROM ZERO TO MAXIMUM CAPACITY.01 DGECD2-00000-3 10K 3 EACH DIGITAL LOAD CELL SYSTEM THAT INCLUDES >10 TON EACH. EQUIVALENT OR HIGHER REQUIRED.
6	RSP-951	TEST RIG MACHINE (L/R)	1	EA	SCOPE OF WORK NY1-DB22102:SAFETY RELAY 01EA NY1-DB14102:INTRINSIC SAFETY BLOCK 03 EA CA2-EN231B:CONTRACTOR RELAY 02 EA

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					PM12/4: DIODE BRIDGE 02 EA KR30:TEMP SELECTOR SWITCH 6 POSITION: 02 EA SRP7-04R1-0: NOZZLE RETURN LOAD VALVE: 02 EA
7	21B/7010PK0850 8	COMPUTER INTEL CORE I7 3.4 GHZ OR HIGHER (BRANDED)	As requi red	EA	MOTHERBOARD:INTEL H81 CHIPSET (INTEL DH82H81 PCH) OR HIGHER PROCESSOR: INTEL I3-4160 PROCESSOR (3M CACHE, 3.60 GHZ) OR HIGHER RAM: 04 GB DDR-III OR MORE HARD DISK:500 GB SATA RPM OR MORE NETWORK CARD:10/100/1000 MBPS BUILT IN OR MORE KEYBOARD & MOUSE: BRANDED CASING: TOWER BRANDED POWER SUPPLY: BRANDED 450W OR HIGHER WITH BUILT IN 600/70100 VA SURGE PROTECTOR INSTALLED DISPLAY: 18.5 INCH LED MULTIMEDIA BRANDED OR HIGHER WARRANTY: OEM MINIMUM 03 YEARS
8	P845FF	AIR PRESSURE GUAGE 0-300 PSI	3	EA	AIR PRESSURE 0-300PSI
09	6796136	WRENCH SAFETY COUP OUTER MEMBER NUT	2	EA	PT NO 6796136
10	P76	PUMP	1	EA	PT NO P-76
11	6796561.00	ADAPTER PIVOT POWER WRENCH	1	EA	PT NO 6796561
12	RC106	RAM	1	EA	PT NO RC106
13	6796896	WRENCH POWER	1	EA	PT NO 6796896
14	PMP1200	AIR PRESSURE TRANSDUCER 0- 300PSIG+-5%	3	EA	REQUIRED PRESSURE 0-300PSIG+-5%
15	350096-42	TRANSFORMER	1	EA	PT NO 350096-42 INPUT 220VAC 1HP 5AM OUTPUT 110VAC 1HP 10AM
16	QD2R200	TORQUE WRENCH	1	EA	40 IN LBS - 200 IN.LBS
17	6797788	WRENCH SPLINE PLANET JOUNIOR RR RET NUT	1	EA	PT NO 6797788
18	6796133	LIFT R/G RR CASE ASSY	1	EA	PT NO 6796133
19	6799537	FIXTURE DAMPLING CUP WASHER	1	EA	PT NO 6799537



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20	6796807	SHEILD HEAT T/M OUTER MEMBER	1	EA	PT NO 6796807
21	6796561	ADAPTER PIVOT POWER WRENCH	1	EA	PT NO 6796561
22	6797789	WRENCH SPLINE PLANET JOUNIOR FRT RET NUT	1	EA	PT NO 6797789
23	SAF28-G-12-PV	OIL FILTER RGB T/STAND	3	EA	PT NO SAF28-G-12-PV S-28 10 MICRON
24	KF3-1K3-V-P-D	OIL FILTER RGB T/STAND	6	EA	PT NO KF3-1K3-V-P-D
25	3855	WRENCH COMP RR BRG NUT	1	EA	PT NO 6855
26	6796593	WRENCH SPANNER SPEED S/W GEAR	1	EA	PT NO 6796593
27	6797664	PUSHER ENTRANCE GUIDE VANE	1	EA	PT NO 6797664
28	XDHF1214	OFF-SET BOX	2	EA	<u>PT NO XDHF1214</u>
29	609ACP	NEEDLE NOSE	1	EA	PT NO 609ACP
30	YA338	SCRIBER	1	EA	PT NO YA338
31	6799619	ADAPTER LIFTING TURB ROTOR	1	EA	PT NO 6799619
32	6799535	WRENCH SPANNER END SLOT	1	EA	PT NO 6799535
33	9640PK2930002	RACK STORAGE STEEL 8X8X3.5 FT	2	EA	RACKS STORAGE STEEL SIZE 8FT X8FT X3 FT DEEP. RACKS ARE DIVIDED IN FOUR SHELVES USE FOR HEAVY AND BULKY ITEMS.SHELF RACKS SHOULD BE STRONGER TO BEAR THE WEIGHT OF HEAVY AND BULKY ITEMS
34	21B/305	STORAGE CABINET	6	EA	STORAGE CABINET 6FT HX6FT WX2 FT DEEP,12 DRAWERS STORAGE CABINET.MATERIAL CRC E,G.GRADE 1 IMPORTED , THICKNESS 0.8MM TO 2MM . DRAWER RUNNING ON DOUBLE Ball bearing system. ALL DRAWER HAVE BUILT IN HANDLE AND CARD



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					FRAME.DRAWEWRS HAVE CRADLE FOR HANGING CRAFT POCKET,SAFETY LOCKS MECHANISM WHICH ALLOWS ONE DRAWER TO OPEN AT ONE TIME. CABINET FITTED WITH CYLINDER LOCKS AND KEYS IN DUPLICATE . TOP 04 DRAWER OF CABINET ARE EQUALLY DIVIDED IN 12 PORTION
35	AVN-500	PAINT REMOVER	530	LR	NON FLAMABLE,ALKALINE PHENOLIC PAINT STRIPPER, TIME 30-45 MINUTES ODOUR,MILD ODOUR,NATURE, THIXOTROPIC,DENSITY,1.18+0.03,FLASHP OINT,ABOVE 90 DEGRESS CENTIGRADE,CORROSION TEST AT 33 OC FOR 45 HOURS ON ALIMINIUM PANEL,NO CORROSION OBSERVED,PACKING,FOUR AND TWENTY LITERS,STORAGE STABILITY AT 5-30 OC , MINIMUM 12 MONTHS WHEN IN ORGINAL SEALED CONTAINER.
36	AUX-0011	COMPRESSOR 7.5 TON	2	EA	REQUIRED FOR AIR CONDITIONER MODEL,CE0P24128 OR EQUIVALENT TYPE DAIKON,MAKE AIR COOLED OR EQUIVALENT
37	RSP-951	TEST RIG MACHINE (L/R)	1	EA	SCOPE OF WORK SAFETY RELAY 01 INTRINSIC SAFETY BLOCK 03 CONTRACTOR RELAY 02 DIODE BRIDGE 02 TEMP DELECTOR SWITCH 6 POSITION NOZZLE RETURN LOAD VALVE 02
38	110D/GP-2000	Walkie Talkie set Gp 2000/5w	as required	ea	specs available at the end of this tender
39	AMS-5744	STAINLESS STEEL ROD (0.50INCH)	2	FT	



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40	PDCL-400	LIQUID LINE FLOW METER CALIBRATION SYSTEM (L/R)	1	EA	ON-SITE CALIBRATION OF LIQUID LINE FLOW METER CALIBRATION SYSTEM PART NO MODEL PDCL-400, (A) VISUALLY CHECK CYLINDER CONDITION AND MEASURE THE DIAMETER WITH NIST TRACEABLE STANDARD (B) MEASURE ENCODER CONSTANT OVER A KNOWN DISTANCE USING NIST TRACEABLE DOPPLER LASER (C) CHECK TEMPERATURE AGAINST NIST TRACEABLE STANDARD (D) CHECK TIME AND FREQUENCY AGAINST NIST TRACEABLE STANDARD (E) CHECK SYSTEM ANALOGUE INPUTS (VOLT & CURRENT) REPLACE PISTON SEAL REPLACE FILTERS LEAK TEST SYSTEM CHECK FLOW ACCURACY WITH CHECK STANDARD PROVIDE NVLAP CALIBRATION CERTIFICATE AND UNCERTAINTY ANALYSIS BOARDING / LIDGING OF ENGINEERS WILL BE BORNE BY SUPPLIER
41	MEK	METHYLE KETONE	420	LR	PURITY (WT%):99.5 SPECIFIC GRAVITY @20/20C: MINIMUM 0.805 MAXIMUM 0.805 SPECIFIC GRAVITY @:25/25C: MINIMUM 0.801 0.803 MAXIMUM WATER (WT%): MAXIMUM 0.1 ACIDITY AS ACETIC ACID (WT%): MAXIMUM 0.003 COLOR (PT-CO):10 DISTILLATION RANGE (DEGREES C) INITIAL BOILING POINT 79.0 DRY POINT: MAXIMUM 80.5 NON-VOLATILE RESIDUE (MG/100ML) MAXIMUM 2 APPEARANCE : CLEAN AND FREE VISUAL MAKE SASOL SOLVANT OR EQUIVALENT
42	1A/292B	CLEANINH BRUSH	30	EA	



43	43556	666-58-SERIES GREY (043556)	10	KIT	MAKE AKZONOBEL OR EQUIVALENT INDUCTION TIME 30 MIN INITIAL SPRAYING VISCOSITY: 17-32 SECONDS SIGNATURE ZAHN-CUP#2 POL LIFE (25 OC/77 OF): 04 HIOURS
44	43557	666-58-SERIES GREY (043557)	15	KIT	MAKE AKZONOBEL OR EQUIVALENT INDUCTION TIME 30 MIN INITIAL SPRAYING VISCOSITY: 17-32 SECONDS SIGNATURE ZAHN-CUP#2 POL LIFE (25 °C/77 °F): 04 HIOURS
45	00215BLACK	666-58 SERIES BLACK 000807	2	KIT	MANUFACTURER AKZONOBEL OR EQUIVALENT MSDS/ REMAINING LIFFE CERTIFICATE (MINIMUM 75 % at the time of delievry
46	00215WHITE	666-58-SERIES WHITE	2	KIT	MANUFACTURER AKZONOBEL OR EQUIVALENT MSDS/ REMAINING LIFFE CERTIFICATE (MINIMUM 75 % at the time of delievry
47	00215GREEN	666-58-SERIES GREEN	2	KIT	MANUFACTURER AKZONOBEL OR EQUIVALENT MSDS/ REMAINING LIFFE CERTIFICATE (MINIMUM 75 % at the time of delievry
48	2190	THINNER	80	Ltr	REQUIRED THINNER C25/90 S MANUFACTURER AKZONOBEL OR EQUIVALENT
49	10P20-13	EPOXY PRIMER 10920-13	22	KIT	MANUFACTURER AKZONOBEL OR EQUIVALENT DRY TO DUST 1.5 -2 HOURS DRY TO TAPE:4-5 HOURS FULL CURE: 7 DAYS @77 °F (25 °C) 50% RH DRY TO TOPCOAT: 5 HOURS @77 °F (25 °C) 50% RH RECOATABLE MINIMUM : 5 HOURS RECOATABLE MAXIMUM: 48 HOURS INITIAL SPARAYING VISCOSITY (25 °C/77 °F): 21-30 SECONDS 4MM ISO CUP 12-16 SECONDS #4 FORD CUP POT LIFE: (25 °C/77 °F) : 4 HOURS DRY FILM THICKNESS: 15-23 MICRON 0.6-0.9 MILS
50	TR-114	REDUCER	5	GL	



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51	525	SOLVENT	100	LTR	MANUFACTURER AKZONOBEL OR EQUIVALENT SOLVENTS C 28/15 FLASH POINT : <21 °C/70 °F MSDS / REMAINING LIFE CERTIFICATE (75 % OF REMAINING LIFE AT THE TIME OF DELIEVERY)
52	526-36D25	DRILL COLLET	5	EA	DIA 2.5MM
53	526-36D30	DRILL COLLET	5	EA	DIA 3.0MM
54	526-36D35	DRILL COLLET	5	EA	DIA 3.5MM
55	526-36D40	DRILL COLLET	2	EA	DIA 4.0MM
56	526-36D45	DRILL COLLET	5	EA	DIA 4.5MM
57	526-36D50	DRILL COLLET	5	EA	DIA 5.0MM
58	PR1005L	VARNISH	110	LTR	
59	1598-300	DIGITAL HIGH GUAGE	01	EA	RANGE 0-24" ACCURACY 0.0005"
60	930K097	ACTIVATOR	2	KG	MSDS REQUIRED
61	535K020	PRIMER (GREEN EPOXY)	1	GL	MSDS REQUIRED



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62	7GNR1001449	REGULATOR NITROGEN	1	EA	OPERATING PRESSURE INLET PRESSURE CAPACITY:4500PSI OPERATING PRESSURE OUTLET PRESSURE CAPACITY:400 PSI CALIBRATION CERTIFICATE IS REQUIRED
63	UV240	ELECT OVEN	1	EA	UV240
64	296249-1/2	COMPONENT TEST KIT	1	EA	TEST KIT 296249-2
65	AMS2665	BRAZING MATERIAL	4	lb	PT NO AMS 2665
66	6D/1334A	AIR PRESSURE REGULATOR FOI NITROGEN	1	EA	MAX SUPPLY PRESSURE:0-4000 PSI SAFETY LEVEL OPRAT : 300 PSI MATERIAL: STAINLESS STEEL MAKE/ MODEL: NISSAN TANAK OR EQUIVALENT
67	SJR151	RATCHET SET 3 REVERSIBLE	01	EA	PT NO SJR151
68	PWA1324	NICKLE POWDER (COMPONENT FOR PWA544-1)	10	LB	THERMOTEC 18976 (TO PWA 1324) MAKE/MODEL:EUTECTIC CORP/VERTEX VPC- 23 SPECIAL METAL CORP/LA-4324 LINEAGE ALLOYS LLC OR EQUIVALENT
69	6125PK000516/DG MP	UNIVERSAL BATTERY CHARGER	1	EA	MADE NEXTEX OR EQUIVALENT
70	71A/32	CYLINDER HYDROGEN	10	CYL	CAPACITY 5.9NM WORKING PRESSURE: 1980PSI QUALITY ACCEPTED CERTIFICATE ALSO REQUIRED FROM M/S LINDE OR EQUIVALENT
71	BOX-MIR-MK-4	PACKING MK-4 EJECTION SEAT	1	EA	SIZE/DIM: 180X80X112 CM W.EMPTY:TARE 081 KG PHOTOGRAPH/SAMPLE AVAILABLE AT LOCAL PURCHASE SECTION MRF
72	BOX-MIR-PK-0M6	PACKING MK-6 EJECTION SEAT	1	EA	SIZE/DIM: 180X80X112 CM W.EMPTY:TARE 081 KG PHOTOGRAPH/SAMPLE AVAILABLE AT LOCAL PURCHASE SECTION MRF

TERMS & CONDITIONS:-

(i) GST may be indicated separately. The envelopes must be marked with "Item's name and Commercial / Technical offer". Literature / brochures of equipment must be attached with technical offer.



- (ii) Quotations must be submitted in two copies for single line item i.e. one copy with technical details without price and one copy as commercial offer in one envelopes (no quotation will be accepted if it contains more than 01 item in a single quotation)
- (iii) Validity period should not be less than 90 days.
- (iv) Complete technical specifications, MSDS, OEM & Conformance Certificate, Calibration certificate, Fitness report where applicable are required. Sample of chemicals may be asked for test.
- (v) Quotation received after due date / time will not be entertained. The CFA reserves the right to accept / reject the part or whole tender.
- (vi) Professional Tax certificate, Punjab is mandatory.
- (vii) Quantity can be increased / decreased at the time of order as per our requirement.

Directorate of Logistics MRF, PAC Kamra
Contact No. 051-90994294 & 4414, Fax No. 057-9317412



S No	Features	Range
1	Frequency Range	VHF
2	No of Channels	>99
3	Channel Spacing	12.5/20/25 KHz
4	Operating Temperature	-20 °C to + 55 °C
5	Storage Temperature	-40 °C to + 85 °C
6	Battery	Battery having enhanced life with at least 9 hours operation i analogue and 13 hours in digital mode at 5/5/90 duty cycle
7	RF Power Output	1W and <5W user selectable
8	Frequency Stability (-20 °C to +55 °C)	± 1.5 ppm
9	Hum and Noise	40 dB @ 12.5 KHz 45 dB @ 20/25 KHz
10	Modulation Limiting	± 2.5 KHz @ 12.5 KHz ± 4.0 KHz @ 20 KHz ± 5.0 KHz @ 25 KHz
11	Conducted / Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz
12	Adjacent Channel Power	60 dB @ 12.5 KHz 70 dB @ 20/25 KHz
13	Digital Vocoder Type	AMBE ++ or SELP
14	Digital Protocol	ETSI-TS 102 361-1, 2 & 3
15	Sensitivity Analogue	3.5 µV (12 db SINAD), 0.22 µV (typical) (12 db SINAD) 0.4 µV (20 db SINAD)
	Digital	5% BER : 0.3 µV
16	Intermediation	65dB
17	Adjacent Channel Selectivity	60dB @ 12.5 KHz 70 dB @ 20/25 KHz
18	Spurious Rejection	70 dB
19	Rated Audio	500 mW
20	Audio Distortion	@ Rated Audio 3% (typical)
21	Audio Response	+ 1 ~-3 dB
22	Conducted Spurious Emission	< - 57 dBm
23	Mode	Dual mode (analogue + Digital), should be compatible with Motorola GP2000
24	Scan	Allows to monitor multiple channels and receive calls
25	Encryption	Enhance built-in voice and data encryption with key management. Atleast RC41 and preferably user customizable 256 bits AES
26	Data Communication	Integrated data port compatible with PC along with requisite software / drivers
27	Interface	Flexible, menu-driven interface with user-friendly icons and at least two lines of text for ease of reading text messages
28	Indicator	Tri-colour LED indicator for clear, visible feedback of calling, scanning and monitoring



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S No	Features	Range
29	Display	Large size TFT colour LCD Display
30	Buttons	* Large, easy to use navigation buttons allows easy access to intuitive menu-driven interfaces * Programmable buttons for easy access to required features such as one-touch calling * Large, textured push-to-talk button. Provides good tactile response and easy access, even when wearing gloves.
31	Speaker	Powerful, front projecting speaker
32	Antenna	Single Antenna with integrated GPS Monopole
33	Sealing	Rated IP57. Protected against Harm from dust or water spray
Optional Features		
34	GPS	Integrated GPS (with GPS location tracking) GPS performance: -TTFF (Time To First Fix) Cold Start < 1 minute -TTFF (Time To First Fix) Hot Start < 10 seconds - Horizontal Accuracy < 10 meters
35	IP	Multi site IP Connection
36	SMS	Atleast 256 characters
37	Emergency Button	To alert supervisor or dispatcher in an emergency situation
Accessories / Manual		
38	Operating Manual	
39	Service Manual	
40	Rapid Charger	
41	Multi Charger	Optional
42	Battery Optimizing System	Optional
43	Headphone	Optional
44	Bluetooth remote speaker microphone	Optional
45	Leather Cover	Optional
46	Software & Cable (PC to Radio)	Optional
47	Clone Cable	Optional
Misc		
48	Warranty minimum 02 years	
49	Spare & Maintenance Support atleast for 10 years	
50	Military Standards : MIL-STD-810 C, D, E, F and G standards for temperature, shock, vibration, rain salt fog, dust and sand, humidity and solar	



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