

TENDER FORMAT
TENDER FOR PURCHASE OF EQUIPMENTS FOR
MIZORAM POLICE

1. NAME OF THE FIRM : _____
2. CORRESPONDENCE ADDRESS
WITH TELEPHONE AND FAX NO : _____
3. LOCAL ADDRESS WITH TELEPHONE
AND FAX NO. : _____
4. WHETHER REGISTERED WITH NSIC
/ DGS&D IF YES ATTACH COPY : _____
5. GST REGISTRATION & GST
CLEARANCE CERTIFICATE : _____
6. COPY OF AUTHORISED DISTRIBUTOR
/ DEALERSHIP/MANUFACTURER : _____
7. SPECIFICATIONS OF THE SYSTEM
ALONGWITH LITERATURE/BROCHURE: _____
8. APPLICATION FEE : _____
9. EARNEST MONEY DETAIL : _____
10. COPY OF TERMS AND CONDITION
DULY SIGNED : _____

SIGNATURE OF THE TENDERER
WITH STAMP.

**GOVERNMENT OF MIZORAM
POLICE HEADQUARTERS :: AIZAWL**

No.D.11014/CSS/Equipts/18-19/

: Dated Aizawl the th February, 2019.

TENDER NOTICE

Sealed tenders are invited in two bid systems i.e. Technical Bid and Price / Commercial bid by the undersigned from the manufacturers, authorized distributors for purchase of following item(s) through registered post or these can be put personally in the sealed tender box kept in the Construction Branch of the office of the Director General of Police, Mizoram, Aizawl.

Sl. No.	Name of items	Application fee	Earnest money
1.	Equipments for Mizoram Police at Annexure	₹ 1000/- (Non-refundable)	2 % of the value of the quoted items

TERMS & CONDITIONS

The specifications of required items are enclosed with this notice. Tenderers are advised to quote their Rate after careful study of the tender specifications as well as the following terms and conditions:-

1. The tenders should reach the office of Director General of Police latest by **1200 hrs on 22.03.2019**.
2. Tender envelop(s) must be sealed and super scribed "TENDER FOR EQUIPMENTS FOR MIZORAM POLICE" which shall be addressed to Director General of Police, Mizoram.
3. Separate envelope should be used for TECHNICAL BID as well as for PRICE BID. The word "**TECHNICAL BID / PRICE BID**" for purchase of Equipments for Mizoram Police due to open on **22.03.2019 at 2:00 PM** shall be prominently marked on the top of the envelope separately. Both these bids shall further be put in one envelope and sealed properly before putting in the tender Box duly super scribed. Tenderer (s) shall indicate complete specifications and all features of the items.
4. The Technical Bids will be opened first on **22.03.2019 at 2:00 PM** and the PRICE BIDS will be opened only after scrutiny of technical bid and technical evaluation of the system.
5. The item quoted with detail specification should be furnished in a separate sheet duly signed by the tenderer.
6. The tenderer can remain present himself or his authorize representative at the time of opening of tender.
7. A copy of terms and conditions duly signed by the tenderer, as a token of acceptance of the same should be attached alongwith the tender.
8. The tendering firm will also submit a certificate that the product offered by them is as per technical specifications of the tender.

Contd....2/-

9. All the bidders whose technical bid is declared qualified by the Purchase Committee will demonstrate their product before the Technical Evaluation Committee at a short notice.
10. **Only manufacturers, authorized distributors / authorized dealers can participate in the tender, the firm should submit proof of their manufacturing, authorized dealership / distributor. This is subject to verification if necessary.**
11. **Only GST payee agencies are eligible to fill this tender.** Interested agencies shall quote their GST Registration Number in their quotation and also attach documentary proof of having registered for the sale of such store/items etc. with the technical bid.
12. Latest/current sales clearance certificate in English on the enclosed prescribed proforma must be attached with technical bid.
13. The application fee is non refundable.
14. In case the firm fails to attach the receipt / draft of application fee, the tender shall be rejected.
15. Incomplete tender/conditional tenders will not be accepted.
16. All SSI units registered with NSIC/DGS&D for this item as per specification are exempted from the EMD. They have to enclose valid registration document /exemption certificate with their tender.
17. No tender will be accepted without requisite E.M.D. as mentioned in tender notice. The E.M.D. shall be in the shape of A/C Payee Demand Draft in favour of Director General of Police, Mizoram payable at Aizawl. The EMD can also be submitted either in the shape of FDR, Banker's cheque or Bank Guarantee. No interest will be given on E.M.D.
18. Tenderer would not be permitted to alter or modify their bids after expiry of the deadline for receipt of Bids.
19. The quoted price must be inclusive of all taxes and other charges etc. No claim for taxes/charges will be entertained at a later stage. Nothing over and above the quoted price would be payable to the successful bidder. Tenderer must quote the net price both in words as well as in figures. Any over writing/cutting etc. render the tender invalid.
20. The firm whose rates are accepted will have to deposit 2% of the total cost of the item as Performance Security in the shape of Bank Draft//Bank Guarantee FDR in favour of Director General of Police, Mizoram before the supply order is placed to the firm. In case, the firm does not complete the supply within the delivery period, **liquidated damage charges will be charged @ 2% of total cost per month of the item and action will be taken to blacklisting the firm and forfeiture of its Security money. No interest will be given on Security Money.**


21. In case the firm fails to deposit the security money, the EMD of the firm will be forfeited.
22. The purchase committee, in order to satisfy itself can order on the spot enquiry to verify the soundness & capability of the item and any other information given by the tendering firms.
23. The rates will be valid till supply of the item is completed, in all respect.
24. The rates will be F.O.R. at Aizawl - 796001.
25. In case the firm fails to supply the item within stipulated delivery period, the item will be procured from the open market and the difference of cost, if any, will be recovered from the Security Money and pending bills of the defaulting firm, by calling explanation after issuing notice.
26. The quantity of the items mentioned in the tender notice can be increased or decreased, at any stage till the delivery of consignment is completed.
27. Tenderer(s) shall indicate complete specifications and all features of the Equipment for Mizoram Police.
28. The payment will be made on receipt/acceptance of store in good condition as per prescribed specification. No advance payment will be made.
29. No claim for interest in case of delayed payment will be entertained by the Department.
30. **The Purchase Committee reserves the right to relax any terms and condition in the govt. interest, with the approval of competent authority.**
31. The purchase committee reserves the right to reject any tender or all tenders without assigning any reasons thereof.
32. All disputes are subject to the jurisdiction of the Courts in Aizawl.
33. Foreign Companies shall participate in the tender, only through their Distributors / Agent in India. No foreign company shall be entertained directly.
34. In case of violation of any clause of contract/agreement deed, the explanation of the firm can be called by issuing show cause notice, if the reply is not found satisfactory. Security money can be forfeited as well as action for blacklisting can also be taken prior to taking any legal action.
35. The tender will be rejected straight way without assigning any reasons if the firm involves in any criminal case, declared black listed by any Govt. / Semi govt. department/agencies etc.

36. In case of any differences, the firm can be called for negotiation to patch up the differences on table prior to approaching court.
37. The bidder should carry a warranty/guarantee of subjected store for a period of at least one year.
38. The Price bid should be in accordance with the format as at Annexure-A.

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(C. LALNUNMAWIA) MPS, AIGP-II
for Director General of Police
Mizoram, Aizawl.

No.D.11014/CSS/Equipts/18-19/47 : Dated Aizawl the 27th February, 2019.
Copy to :-

1. The Director, I&PR for publication in the newspaper. Gist of the tender enclosed herewith for publish in 2 (two) leading local newspaper at the size not more than 9 x 12 cms. for 2 consecutive days.
- ✓ 2. Officer-in-Charge, Mizoram Police Website for information and necessary action.
3. Notice Board.



(C. LALNUNMAWIA) MPS, AIGP-II
for Director General of Police
Mizoram, Aizawl.

**GOVERNMENT OF MIZORAM
POLICE HEADQUARTERS :: AIZAWL**

SHORT TENDER NOTICE

Sealed quotations are hereby invited for supply of Equipments for Mizoram Police from the bonafide manufacturers / authorized dealers. Tenders will be received upto 22.3.2019 at 1200 hrs and will be opened on the same day at 2:00 PM.

Details of the above items, terms and conditions can be had from the Office of the undersigned during office hours or Police Website www.police.mizoram.gov.in



(C. LALNUNMAWIA) MPS, AIGP-II
for Director General of Police
Mizoram, Aizawl

NOTE :-

(A) DOCUMENTS REQUIRED TO BE ATTACHED WITH TECHNICAL BID IN THE FOLLOWING ORDER :-

1. E.M.D. in favour of Director General of Police, Mizoram, Aizawl - 796001 amounting ₹ _____/-.
2. GST Registration Certificate.
3. Latest GST Clearance Certificate / Tin No. of VAT.
4. Copy of authorized distributorship.
5. Certificate regarding registration with DGS&D, NSIC if claim EMD exemption.
6. **Copy of terms and conditions duly signed with seal of the firm, in token of acceptance of terms and conditions.**
7. **The Demand draft of application fee be attached with tender form.**
8. All Other supporting documents as required in the tender shall be attached.

(B) DOCUMENTS REQUIRED TO BE ATTACHED WITH COMMERCIAL/PRICE BID IN THE FOLLOWING ORDER :-

PRICE BID shall contain price only and no other documents shall be enclosed with the price bid.

1. Details of Rates, inclusive of all taxes including freight installation, commissioning & testing of each items quoted by the tenderer shall be submitted on their letter Pad in clear terms, in words and in figures. The cutting & over-writing not valid. The option in the rates will not be entertained.

SIGN. OF TENDERER _____

NAME IN BLOCK LETTERS: _____

FULL ADDRESS : _____

ANNEXURE - A

PROFORMA FOR PRICE SCHEDULE

(Enclose with commercial bid)

TENDER FOR PURCHASE OF EQUIPMENTS FOR MIZORAM POLICE

Date of opening.....

TimeHrs.

We _____ hereby certify that we are established manufacturers/authorized representatives of M/s _____-with factories at _____ which are fitted with modern equipment and where production methods, quality control and testing of all materials manufactured or used by us are open to inspection by the representative of the purchaser. We hereby offer to supply the following items at the prices indicated below :

S. No.	Description of work/ item	Qty.	Unit Price In Indian Rupees	Extended Price In Indian Rupees	Sales Tax/VAT In Indian Rupees	Other Govt Levies, if any (To be specified)	Incidental charges, if any (To be specified)	Total Price FOR Destination In Indian Rupees
a	b	c	d	e	f	g	h	i
1.								

It is hereby certified that we have understood all the terms and conditions specified in the tender document and are thoroughly aware of the nature of job required to be done and goods/items to be supplied. We agree to abide by all the tender terms and conditions.

We hereby offer to carry out the job and (or) supply the goods/items detailed above or such portion(s) thereof as you specify in the notification of award.

(Signature and seal of Bidder)

Dated: _____

TECHNICAL SPECIFICATION OF EQUIPMENTS FOR MIZORAM POLICE

Sl. No.	Items	Technical Specification
	Security Equipments	
1.	Shoe and leg scanner – 1 No.	<p>SIGNALLING: Display of use instruction PROAGRAMMABILITY: Chip card system for direct selection of the operating mode, according to International Security Standards or customer requirements. The use of the card may be protected by password ANALYSIS TIME: Very fast analysis time for a rapid flow-rate (2 seconds) MULTIPLE INSTALLATIONS: Automatic synchronization between 2 or more devices with a reciprocal distance of as a little as to 3 ft without the use of cables REMOTE CONTROL: Capacity for total remote control through an \mathbb{R}-232C serial line INSTALLATION AND MAINTENANCE: Automatic adjustment to environmental parameters with no need for initial or periodic calibrations. Proper environmental installation checked by means of a read-out of the general noise "GN" and electromagnetic noise "EN". Complete interchangeability of electronics units and antennae.</p> <p>DEGREE OF PROTECTION: IP 20 (IEC 60529), with a standard casing POWER SUPPLY: 115/230V $\pm 15\%$, 50 \div 60 Hz, 30 VA COMMUNICATION CAPABILITY: \mathbb{R}-232 serial interface, Ethernet network interface WORKING & STORAGE TEMPERATURE: -4°F to 158 °F / -35 °F to 158 °F RELATIVE HUMIDITY: 0-95% without condensation WEIGHT: Not more than 65kgs DIMENSIONS: 21.5" x 24" x 38" Approx</p> <p>ALARM MODES:</p> <ul style="list-style-type: none"> • Detection of metallic masses • Sabotage or internal self-diagnosis <p>TYPE OF SIGNALLING</p> <ul style="list-style-type: none"> • Visual: fixed or proportionate to the mass in transit – visible from 6m under lighting of 4000lux • Audio: programmable up to 90 db(A) at 3 ft <p>CERTIFICATION AND CONFORMITY</p> <ul style="list-style-type: none"> • Certified as harmless to wearere of pacemakers, pregnant women and so forth • Harmless to magnetic media • Conforms to the detection rerquirements of EU Reg. N°1862/2006 and N°185/2010 • Conforms to the provisions of EU Reg N°857/2005 for Airport Security • Conforms to the international standards currently applicable EC Regulations. • Conforms to all Airport Security Standards worldwide

2.	Explosive Detection & Identification Spray Kit - 5 Nos.	<p>Technical specifications:</p> <ol style="list-style-type: none"> 1. It should be capable of detecting all types of explosives of various groups, including explosive items TATP (Tri-Acetone, Tri-Peroxide), HMTD (Hexa Methylene Tri-Acetone Diamine), Chlorates, Bromides etc, pre and post-explosion. 2. It should be spray type, packed in spray cans. However, reagents for detection of commonly available, IED compounds like TATP, HMTD, Chlorates, and Bromides can be in liquid form. 3. Should be able to detect & identify explosives at monograms level. 4. It should have self adhesive collection papers to help detect trace explosives. 5. The capacity of each reagent should be good for at least 50 tests. 6. The kit should have instruction chart and colour code display chart. 7. The kit should be capable of showing instant reaction giving immediate results. 8. The kit should be usable by normal field operative with minimal training. 9. The kit can be stored in field condition in a vehicle. 10. The kit should have a shelf life of minimum 12 months at 100% potency. <p>Physical requirement:</p> <ol style="list-style-type: none"> 1. Should be easy carry and easy to use. 2. Should be operable in all weather conditions and require no maintenance 3. Should contain various types of sprays and collection papers in a pack. 4. Should not pose any risk to technician/field officer and to the environment. 5. Entire kit should be packed in a easy to carry plastic case, which should provide adequate protection to the kit. 6. Weight of the kit should not exceed 650gms.
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3.	Digital Base/Mobile Radio with full accessories for mobile installation - 10 nos.	<p>General Specification: Number of Channel: 128 or higher Frequency: 136-174 MHz Channel spacing: 12.5KHz RF output Power (High/Low): 25 Watt or more Frequency stability: ± 2.0 PPM or better Protocol/standard: Digital Mobile Radio standards complied Weight: Approx 1.5Kg Display: Alfa Numeric Display Power supply: 12.5 V DC</p> <p>Transmitter FM Hum and Noise: 40 dB @12.5 KHz Audio Distortion: <3% Audio Response: +1, -3 dB Spurious: 60 dB Analog FM modulation: 11K0F3E Digital Modulation: 7K60FXD (Data). 7K60FXE (Voice) or more Time out Timer: For disallowing inadvertent keying of the transmitter, to prevent locking up one of the communication channel.</p> <p>Receiver Sensitivity: 0.3μV or better Inter-modulation: 60 dB or n\better Spurious rejection: 60dB or better Audio Distortion: <5% FM Hum and Noise: 40 dB Audio output: 3 watt or more</p> <p>Essential Features Features: (a) Single Key call facility (b) Front Panel LCD Display (c) Pre assigned messaging features Programmable Buttons: Minimum 2 Soft keys for Programming: Squelch, Power & call, etc.</p> <p>General Features: Accessories to be supplied with each radio set: a) 3 dB Omni directional GP antenna for static radio set b) 30 metres of RG-213 Co-axial with suitable connectors at bnoth ends static radio set c) PSU 12 V, 10 Amp for each static Radio set d) Mounting fixtures for Mobile Radios and interconnections for battery and mounting fixtures Manuals/Literature: User Manual with eah radio Programming: PC programming as per the iser's communication need. Warranty: minimum 2 years or as per OEM, whichever is higher. Environmental Standard: a) MIL standard 810E or equivalent, IP54 or 55 water and dust Intrusion. b) Operating temperature - -20 to +60 C c) Storage temperature - -40 to +70 C d) Humidity - 90% at 500 C(Mil std 810E)</p>
4.	Hand Held Metal Detector (HHMD) PD240C, CEIA - 20 nos.	<p>POWER SUPPLY: 2x AA size alkaline or NiMH rechargeable batteries CONTROL PANEL: Optical, acoustic and vibration alarm modes BATTERY LIFE: 100+ hours continuous service (AA alkaline batteries) Low battery indicator OPERATING TEMPERATURE: 40°F to 158°F STORAGE TEMPERATURE: 4°F to 176°F RELATIVE HUMIDITY: 0 to 98% (without condensation) DIMENSIONS: 14.2" x 3.2" x 1.6" (approx) WEIGHT: Not more than 400g. (with battery) COMPLIANCE: Conforms to the NIJ 0602.02 Standard and the NIJ 0602.03 Draft for metal detection, Conforms to the international standards currently applicable for safety, EMC and to the applicable CE regulations</p>

5. SLR Hitech Camera – 1no.

TYPE: Single –Lens Reflex Digital Camera
 LENS MOUNT: F Mount with AF Contacts
 EFFECTIVE ANGLE OF VIEW: DX Fromat, Focal Length equivalent to approx. 1.5x that of lenses with FX-format angle view
 EFFECTIVE PIXELS: 24.2 Nillion
 IMAGE SENSOR: 23.5 X 15.6 mm CMOS Sensor
 TOTAL PIXELS: 24.78 Million
 IMAGE SIZE (PIXELS): 6000 X 4000 (Large), 4496 x 3000 (Medium), 2992 X 2000 (Small)
 FILE FORMAT: NEF (RAW): 12 - OR 14 BIT, COMPRESSED
 JPEG: JPEG – Baseline Compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx 1:16) compression
 NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
 PICTURE CONTROL SYSTEM: Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picturre Control can be modified, storage for custom Picture Controls
 MEDIA: SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
 FILE SYSTEM: DCF 2.0 Exif 2.3, PictBridge
 VIEW FINDER: Eye-level pentamirror single-lens reflex viewfinder
 FRAME COVERAGE: Approx 95% horizontal and 95% vertical
 MAGNIFICATION: Approx 0.82x (50 mm f/1.4 lens at infinity, -1.0m^{-1})
 EYEPOINT: 17mm (-1.0 m^{-1} from center surface of viewfinder eyepiece lens)
 DIOPTER ADJUSTMENT: -1.7 to $+0.5\text{ m}^{-1}$
 FOCUSING SCREN: Type B BriteView Clear Matte Mark VII Screen
 REFLEX MIRROR: Quick Return
 LENS APERTURE: Instant return, electronically controlled
 LENS AUTOFOCUS SUPPORT: Autofocus is available with AF-S, AF-P and AF-I lenses
 SHUTTER TYPE: Electronically controlled vertical-travel focal-plane shutter
 SHUTTER SPEED: 1/4000 to 30 s in steps of 1/3 or $\frac{1}{2}\text{EV}$, Bulb, time
 SHUTTER FLASH SYNC SPEED: $x=1/200\text{s}$, Synchronizes wirh shutter at 1/200s or slower
 SELF TIMER: 2s, 5s, 10sw, 20s, /1 to 9 exposures

6.	Glove for Frisking – 10 nos.	<p>Hands Free Metal Detector/Gloves for frisking Specification: CONSTRUCTION: Neoprene - Velcro (HF-1 Kevlar and Neoprene) DIMENSIONS: Medium or Large, standard generic size. (HF-1 Large - XL - XXL) WEIGHT: Weight: 5.2oz or (149 grams) including battery SENSITIVITY: Target Size 0.5 grams Fully automatic. No adjustment necessary. All metals, including alloys. OPERATING TEMPERATURE: -20°C to +65°C STORAGE TEMPERATURE: -30°C to +80°C HUMIDITY: 98% INGRESS PROTECTION: (Waterproofing & environmental IP64 (IEC 529) protection) OPERATING TIME: Up to 3 months with normal use 48 hours continuous at +25°C (alkaline battery) 40 hours continuous at +25°C (rechargeable battery single charge) BATTERY: Standard 9 Volt block battery MN 1604, 6LR61 or equivalent alkaline disposable or rechargeable. Tested and approved to EEC EN5008-1 Table 1. EN50082-1 Table 1:1.1 Radiated emissions ("CE" mark) Conforms to international standards IEC, N I LEC STANDARD-0602.02 - FCC, FAA. Medically tested and approved - No risk to persons with pacemakers. Non interference to magnetic recorded material. <i>When the battery is exhausted a continuous tactile alarm signal is produced.</i> Alarm indication by means of vibrating tactile indicator. Detection Speed: Ultra fast; 'Detect - alarm - reset' ready for another target - 0.1 second. Pinpoint target accuracy search head at the base of index finger, concealed inside water resistant neoprene fabric lining Mass proportion discrimination alarm indication: At constant sweep speed: short digital pulse small target. long pulse = large target Battery inserted inside water resistant neoprene & velcro pocket. No wires visible. No false alarms. Minimum pressure push button latching switch On/Off switch operation, inside water resistant neoprene fabric layer. Instant response to all metals.</p>
7.	Ceiling Inspection Mirror/Inspection Mirror for Anti Sabotage Checking – 6 nos.	<ul style="list-style-type: none"> • Usage: Searching of suspicious objects at overhead height. • Telescopic Metal Rod. • Convex Mirror fitted on top of telescopic Metal rod. • Mirror Size: Standard 9" x 5" • Additional attachment of different size mirrors can arrange (optional) • Night operation supported by Torch. • Fitted with reflective (plane/convex) mirror.
8.	Under vehicle Search Mirror (Trolley) – 5 nos.	<ul style="list-style-type: none"> • 14" / 11" diameter Convex Mirror for Clear Vision. • High Intensity LED Light system provided to search in dark • Sturdy Aluminum Carrying Case for Durability and easy Transportation. • 12 Volt Rechargeable battery with Inbuilt Charger. Can work for 10 hrs continuously after full charge. • Light Weight with Telescopic Handle. • Smooth wheels provided for easy movement underneath the vehicle. • Switch for Power ON and LED for indicating Charge ON

9.	Mine Prodder – 5 nos.	<p>Product Capabilities</p> <ul style="list-style-type: none"> Locates mines buried at depths of up to 250mm Lightweight for optimal portability and deployment. The highly versatile non-magnetic mine prodder is also designed for use in situations where magnetic field is unlikely to cause a problem. <p>Product Specifications</p> <ul style="list-style-type: none"> Length: 510mm (Short assembled) 1030mm (long assembled), Mean Diameter: 20.5mm (main body) 6.4mm (spike) Weight: 409 gm (prodder) 209 gm (stored) Spike hardness: 45/50 Rockwell C Colour: NATO Green Supplied as a kit with webbing carrying case, consisting of spike holder assembly, hand grip and tube assembly
General Policing Equipments		
1.	Handcuff – 1300 nos.	<ul style="list-style-type: none"> High quality handcuff made of chromed steel with dual hinge made of chains with minimal room for maneuver. The handcuff is very good processed and comes with a "Double Lock"-safety function. Instead of a usual chain with round chain links, this handcuff comes with a chain of flat chain links. So it is not possible to twist the chain links. Because of the short dual hinge, the room for maneuver is even more limited than with handcuffs that only have one hinge. This high quality finds use also at police and securities. Very well suitably to the appointment of delinquents. <p>Features:</p> <ul style="list-style-type: none"> Double-Lock 3-row ratchet 2x3 teeth Locking strap with 21 teeth <p>Technical specifications:</p> <ul style="list-style-type: none"> Material: chromed steel Dual hinge made of chains Double Lock Weight: 360 g
2	Breath Analyzer – 78 nos.	<ul style="list-style-type: none"> Device : Active and Passive Measuring range : 500 mg/100ml Accuracy : Max. Measuring error, in relation to the ethanol standard Range 0 to 100 mg/100ml = 5 mg/100ml Range 1 to 200 mg/100ml = 5% of measured value Range 201 to 500 mg/100ml = 10% of measured value <p>Ambient conditions</p> <ul style="list-style-type: none"> Temperature range – operation = -5°C to +50°/+23F to +122F Temperature range – storage = -20°C to +60°C/-4F to +140F Optimum storage temperature (sensor) = 0°C to +25°C/ +32F to +77F Minimum expiration volume : 800mL or depending on requirement. Batteries : Inbuilt Li-on Battery. Device interface : USB Interface. Data should be transferable to a PC or printer. Duration of Sample Taking : Not more than 5 sec. Sensor type : E600 electrochemical measuring cell. Cross sensitivities : Negligible for other substances, eg. Acetone, CO, etc. Menu-driven with clear text information. Input : QWERTY Power-saving mode : Device switches off automatically after 2.5 minutes of non-operation, the background lighting switches after 15 seconds. Display : Colour TFT LCD, fully graphic. Data memory : Stores more than 40,000 measured values with date and time. Calibration : Every 6 months or as desired. Mouth Pieces : With inbuilt Valve to prevent reverse breathing. Printer : In-built Printer Carry Case : Standard Carry Case Handling : Handy, portable, user friendly and easy to operate.

3.	Liquid Prismatic Compass (for 2nd Bn. MAP) – 13 nos.	<p>Udee Military Lensatic Prismatic Army Green Camouflage Matter Compass (Green)</p> <p>Product Features : Camouflage color lensatic compass for outdoor activities Features camouflage color, shows your style. Coated metal case and foldable metal lid fitted a glass window with the sighting line etched into it Floating luminous arrow dial with sapphire bearing to ensure quick movement and optical precision. Extremely stable liquid filled prevents excessive oscillation of the magnet needle. Adjustable lens prism, easy to reading scale when to sighting at direction through sighting slot. There are cm and inch scales on both side of body as a map measuring ruler</p> <p>Brand : UDee.</p> <p>In the Box</p> <ul style="list-style-type: none"> • Sales Package : 1 X Military Lensatic Prismatic Compass – Army Green Camouflage • No. of Contents in Sales Package : Pack of 1 General • Type : Prismatic Compass • Material : Metal • Liquid Fill : Yes • Waterproof : Yes
4.	Armoury Tools	<p>Cleaning rod for 9mm Pistol Cleaning Rod for 7.62mm Rifle Cleaner for Gas regulator Tool Combination MK-V GM Pull Through for 5.56mm Rifle Pull Through for 7.62mm Rifle Multi-utility tools:</p> <ul style="list-style-type: none"> • Needlenose Pliers • Stranded-wire cutters • Replaceable fuse-wire cutters • Electrical crimper • Saw • 420HC Combo Knife • Replaceable Cutting Hook • Hammer • Bolt Override Tool • Replaceable C4 Punch • 8-32 Cleaning Rod/Brush Adapters • Carabiner • Large Bit Driver • 3/8" Wrench and Front-sight Adjustment Accessory
5.	Welding Transformer Machine – 1 no.	<p>Technical Specifications</p> <ul style="list-style-type: none"> • 3 phase – full wave silicon rectifier power source • Suitable to operate on both D.G. set and electrical power • Low demand of primary current with better power factor • Suitable for arc through the entire range • Trouble free service for various welding applications • Suitable for DC TIG welding with additional attachments <p>Product Specification SKUWE.WE.MM.1392146 Type of product – Arc Welding Transformer Supply Voltage – 380-440 VAC Frequency - 50 Hz Phase – 3 Phase Open Circuit Voltage – 80-90 VDC Welding Current Range – 400 Amps Weight – 250 Kgs Type of Cooling – Forced Air Welding Current at 60% Duty Cycle 400 A Model No. D.C. Rectifier 400</p>
6.	Portable P.A. system for Police Stations & Out Posts – 42 nos.	<p>Speaker:</p> <ul style="list-style-type: none"> • Portable • USB/Bluetooth/SD Card connectivity • Input Channels – 3 x Mic 0.65 mV/4.7 kW, 1 Tape, 1 x Keyboard 70 mV/50 kW • Frequency Response - 4 – 20,000Hz + 3dB • AC Power consumption - 220 VA <p>Microphone:</p> <ul style="list-style-type: none"> • Cordless FM Microphone <p>Preferably Hi-Tune Bass PSX - 1200 DP</p>

7.	Air Compressor - 5 nos.	<ul style="list-style-type: none"> • No. of Cylinder : 2 • HP : 7.5 • Working pressure : 175 PSI • Compression : 960 RPM • Tank Capacity : 325 litres
8.	Sun Glass Camera DVR (for CID SB) – 2 nos.	<ul style="list-style-type: none"> • Fashionable Design, 5.0 Mega Pixels Camera • Video @ High Resolution : 1920x1080p • Video Format : AVI * Video Compression Format : M-JPEG • Video Frame Rate : 25 / 30FPS • Maximum 32GB Micro SD Card support is desirable • Operating Battery Life : 50min • Charge Power Voltage : DC-5V
9.	Button Camera (for CID SB) – 2 nos.	<ul style="list-style-type: none"> • Portable • 249 gram (approx.) • Dimensions : 2.5cm * 2.4cm * 1.0cm • Format : AVI 30 frames • Video resolution : 1920*1080 • Loop Recording • Motion Detection • USB Adapter
10.	Spy Pen DVR (for CID SB) – 2 nos.	<ul style="list-style-type: none"> • 30fps, 1.0 megapixel • High Capacity Li-thion 180 mAH Rechargeable Battery • Including up to 32GB SD/TF Card • Charging with DC-5V

Communication Equipments

1. Digital Radio TDMA Based VHF High Band Mobile Radio Set (DMR-II) along with all accessories including RG 217 Coaxial Cable and 0' db GPA and 1 No. Programmable Kit - 20 nos.

Description

- Frequency Range: 136-174 MHz full Band
- Number of Channel: Minimum 30 channel
- Channel Spacing: 12.5 KHz / 25 KHz
- Frequency stability: ± 0.5 ppm
- Radio: Open standard Digital/Analog Protocol ETSI based DMR TDMA Radio. It should work in 12.5 KHz channel spacing and Analog 12.5/25 KHz
- Type of Operation: Simplex/Semiduplex/Press to Talk
- Weight: >2.0 Kg
- Power Source: 13.8 DC
- Display: Alpha Numerical Display

Essential features

- Front panel Functional Keys with lit LCD panel
- Scan with priority on both Analog & Digital Mode
- ON/OFF Radio Password & Programming Password
- In-built secrecy
- Pre assigned messaging feature
- Radio must be capable to interface with PC secured Data messaging up to Police Stations

Transmitter

- RF Power Output: Programmable/switchable up to 25 W
- Deviation: ± 2.5 KHz @ 12.5 KHz and ± 5 KHz at 25 KHz
- Emission: 11KOF3E for 12.5 KHz and 16KOF3E for 25 KHz
- Analog Modulation: 11KOF3E
- Digital Modulation: 4 FSK modulation 7K60FXE
- Frequency stability: ± 0.5 ppm
- Conducted/Radiated Emission: Better than -30dpm below 1KHz
- Audio distortion: Less than 3% @ 1KHz
- TOT: For Disallowing inadvertent keying of the transmitter, to prevent locking up one of the communication channel un-necessary
- FM Hum/Noise: (1) for 25 KHz – 45dB or better
(2) for 12.5 KHz – 40 dB or better

Receiver

- Sensitivity: $0.3 \mu V$ at 5% BER or better
- Selectivity: 70dB @ 25KHz or better
- Inter modulation: 65dB as per ETSI standards
- Audio response (6dB/octave pre-emphasis from 300-3000Hz): +1 and -3dB
- Audio output: 3W internal or 7.5 W external speaker on 8Ω
- Conducted spurious Emission: (-57dBm or better)

General Essential features

- Accessories as per configuration :

(i)	0dB GPD with 30 mtrs. RF cable RG-217 for static Radio sets
(ii)	AC/DC SMPS Power Supply 12V, 10 Amp with Batter Revert
(iii)	Whip Antenna with 3mtr feeder for mobile Radio
(iv)	Microphone with Radio Set
(v)	Mounting fixtures for mobile Radios and inter connections for battery and mounting fixtures

- Manuals/Literature :

(i)	User Manual with each Radio
(ii)	Service manual

- Conditions (OEM Undertaking)

(i)	Bidder must indicate OEM Service Centre in India for after sales Warranty and post warranty support
(ii)	Warranty – 24 months for Radios and 12 months for accessories
(iii)	The Firm should enclose DOT/WPC License for supplying Wireless equipment in India

- Environmental Standard (ILAC Report)

(i)	MIL standard 810E or equivalent
(ii)	Operating temperature -30° to +80°C
(iii)	Storage temperature -40° to +80°C
(iv)	Humidity – 90% at 50°C (Mil std 810E)

2.

Digital Radio TDMA Based VHF High Band Hand Held Set (DMR-II) along with all accessories including 1 no. Programmable Kit and Spare Battery - 89 nos.

Description

- Frequency Range: 136-174 MHz full Band
- Number of Channel: 16 Channel minimum
- Channel Spacing: 12.5 KHz / 25 KHz
- Frequency stability: ± 0.5 ppm
- Radio: Open standard Digital Protocol ETSI based DMR TDMA Radio. It should work in 12.5 KHz channel spacing and Analog 12.5/25 KHz
- Type of Operation: Simplex/Semiduplex/Press to Talk
- Type of Antenna: Ruggedd flexible antenna
- Weight: >400 gms without battery
- Power Source: Min 2000mAH Li-on rechargeable

Essential features

- In-built secrecy
- Pre assigned messaging feature
- DMO Mode – for TDMA dual slot without Repeater

Transmitter

- RF Power Output: Programmable/switchable up to 5 W or higher
- Deviation: ± 2.5 KHz @ 12.5 KHz and ± 5 KHz at 25 KHz
- Emission: 11KOF3E for 12.5 KHz and 16KOF3E for 25 KHz
- Digital Modulation: 4 FSK modulation 7K60FXE
- Conducted/Radiated Emission: Better than -30dpm below 1GHz
- Audio distortion: Less than 3% @ 1KHz
- TOT: For Disallowing inadvertent keying of the transmitter, to prevent locking up one of the communication channel un-necessary
- FM Hum/Noise: (1) for 25 KHz : 45dB or better
(2) for 12.5 KHz : 40 dB or better

Receiver

- Sensitivity: 0.3 μ V at 5% BER or better
- Selectivity: 70dB @ 25KHz or better
- Inter modulation: 65dB as per ETSI standards
- Audio response (6dB/octave pre-emphasis from 300-3000Hz): +1 and -3dB
- Audio output: 500mW higher
- Conducted spurious Emission: (-57dBm or better)

General Essential features

- Accessories as per configuration :

(i)	RF flexible Antenna
(ii)	Headset for hands free operation
(iii)	One spare battery with each Radio

- Manuals/Literature :

(i)	User Manual with each Radio
(ii)	Service manual

- Conditions (OEM Undertaking)

(i)	Bidder must indicate OEM Service Centre in India for after sales Warranty and post warranty support
(ii)	Warranty – 24 months for Radios and 12 months for accessories
(iii)	The Firm should enclose DOT/WPC License for supplying Wireless equipment in India

- Environmental Standard (ILAC Report)

(i)	MIL standard 810E or equivalent
(ii)	Operating temperature -30° to +60°C
(iii)	Storage temperature -40° to +80°C
(iv)	Humidity – 90% at 50°C (Mil std 810E)

- Field programming and PC programming as per user's communication need

3.

Digital Radio TDMA Based VHF High Band Repeater Set (DMR-II) along with accessories including RG-217 coaxial cable and 0'db GPA

Description

- Frequency Range: 136-174 MHz full Band
- Channel Spacing: 12.5 KHz for two voice slots in Digital mode
- Digital Repeater :
 - (i) Analog - FM with auto sensing and change over to digital & Analog mode
 - (ii) Open standard Digital protocol DMR TDMA based 12.5 KHz channel spacing for both Analog & Digital two way Radio
- Type of Operation: Repeater mode at 100% duty cycle
- Operating Voltage :
 - (i) In built power supply for mains operation with automatic change over to battery incase of mains failure
 - (ii) 12V DC \pm 10% (negative ground) external

Transmitter

- RF Power Output: 45 Watts at 100% duty cycle
- Frequency stability: < 1 ppm
- FM Hum/Noise:
 - (1) for 25 KHz : 45dB or better
 - (2) for 12.5 KHz - 40 dB or better
- Frequency Deviation: \pm 2.5 KHz @ 12.5 KHz and \pm 5 KHz at 25 KHz
- Audio distortion: 3% typical

Receiver

- Sensitivity:
 - (i) Digital - 0.3 μ V at 5% BER or better
 - (ii) Analog - 0.3 μ V at or better for 12dB SINAD
- Selectivity: 70dB @ 25KHz or better
- Inter modulation: 75dB as per ETSI standards
- Audio response (6dB/octave pre-emphasis from 300-3000Hz): + 1 and - 3dB
- Audio distortion: <3% typical
- Networking: Should be capable to support VHF/UHF/POLNET/IP and can integrate 14 or more repeater stations to enable wide area Network of user radio sets operating in the network from one site to another without manual intervention.
- Environmental: Enclosed TEDC/ERTL Lab Report
 - (i) Operating temperature -30° to +60°C
 - (ii) Storage temperature -40° to +80°C
 - (iii) Humidity - 90% at 90%
- Accessories: Antenna -3dB high gain omni directional GPA with 30 mtrs RF cable RG-217 or equivalent
- Interfaces:
 - (i) Ethernet port RJ45 to provide the following privions
 - (a) Wide area IP connectivity for voice & data up to 14 nos. repeater
 - (b) Remote monitoring & status check C. IDT software should be support
- Manuals/Literature: (i) User manual with each Radio
- Condition:
 - (ii) Service Manual
 - (i) Bidder must indicate OEM Service Centre in India for after sales Warranty and post warranty support
 - (ii) Warranty -24 months
 - (iii) The Firm should enclose DOT/WPC License for supplying Wireless equipment in India
- Programming: Programming as per user's communication need

4.	Automated Synon Cipher system with Data Terminal and accessories - 11 nos.	<p>(a) Automated Synon Cipher System is secured means of communication for transmission of Confidential and Secret messages. With the introduction of this system the long procedure and time taken for encryption and decryption of Cipher messages using manual system will be replaced with speedy and accurate delivery of classified messages. Radio transmission is extremely vulnerable to interception and this communication security lapses cause serious threat to national security. To avoid interception and for speedy and accurate delivery of classified messages introduction of Automated Synon Cipher System is very important</p> <p>(b) Specification of Data Terminal</p> <ul style="list-style-type: none"> • Intel i3 Processor • Intel Chipset Motherboard • Intel HD Graphic/HD Audio/Wireless - N • 4GB DDR3 RAM • 1 TB data HDD • 18.5 TFT LED Display • DVD writer • Wifi-HDMI-USB card reader • Logitech USB Keyboard • Mouse • Logitech 2.1 Woofer • Canon LBP 2900 Laser Printer • UPS 600VA (inbuilt battery)
5.	Radio Over IP (ROIP) - 5 nos.	<p>Features Required</p> <ul style="list-style-type: none"> • 4 wires transformer isolated audio interfaces with software programmable input and output gain • Support for single point to point and multi-site system • Network link control : Preferably enable or disable Network linking with a DTMF Command • The system should have the best possible audio quality AS PER Industrial Standards with minimal bandwidth consumption. The Bandwidth usage should be user configurable to optimize the Audio Quality Vs Bandwidth usage during the conversation. • Highly secured/Encrypted data communication to prevent interception (128 bit or better) • Support for unicast (point to point) and Multicast (Point to Multi-point) communication. • Automated call routing feature for allowing network user dial access to multiple radios networks and conference call • COS/PTT signal support • LED indications at front panel for power.PTT,COS,Link • Multiple voice Codec <p>Technical Specification</p> <ul style="list-style-type: none"> • Maximum Network Loading: 8-16 kbps typical (32 kbps Max) • Bit Rate: 6 bps – 256 kbps, user Programmable • No. of Radio channel support: 1 • Maximum number of Conferencing channel: 4 • Power Input: 12V DC Typical (10.8V – 24V Max) @ 1.5A Max <p>Connection</p> <ul style="list-style-type: none"> • Maintenance Port: USB • Radio Connection: 4 wire transformers isolated audio interference with PTT & Squelch • Network: 10/100base – T Ethernet Port • Vocoders: Any one of Opus/G.711/G.726 ADPCM/GSM (13kbps) • Security: 128 Encryption or better • Form factor: Desktop • Weight: Less than 500gms • Operating temperature: 0°-55°C • Humidity: 0-95% non condensing
Medical Equipments		
Sl. No.	Item	Specification
1.	Nebulizer – 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Thermoneb • Model No : TP – 103DIGI • Medication Capacity (in MI) : 5 • Power Supply : Adapter

2.	Needle Destroyer – 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Surgitech • Power : Available in 100w or 60w • Capacity : Can destroy disposable syringe and needle 18G to 28G • Material : Plastic • Features : Two slots easy operation for destroying needle and syringe
3.	Hepatitis B test Kit (HBSAg) SD Bioline 30T - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Aspen • Pack size of 40 test • Blood test that measures Hepatitis B Surface Antigen levels typically
4.	Hepatitis C Test Kit (SD Bioline) 30 Test - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : SD Bioline • Pack size : 30 test • Detect Hepatitis Antibody • Serum/Plasma sample • Storage : 1° - 30° C • Sensitivity : 100% • Specificity : 99
5.	Glucometer Accucheck Active with free test (10 test) - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Coche • Measuring Interval : 10 - 60 mg/dl • Blood volume : 1 - 2 ml • Power Supply : 1 Battery (Type R2032)
6.	Malaria ICT 40 Test - 9 nos.	<ul style="list-style-type: none"> • Standard Q Malaria PF/PV Ag Cassette X 40 • Buffer Bottle 4mX02 • Manufacturer : SD Biosensor Healthcare Pvt. LTD
7.	Typhidot (Enterocheck) 25 Test - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Zephyr Biomedicals • 25 X test devices • 1 X sample running buffer bottle • 25 X disposable sample applicators • 1 X Package insert
8.	Sahli's Haemoglobinometer with N/10 Hcl 500ml - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Loby Instrument Industry • Height : 3cm • Length : 0.5cm • Hib pipette : 1000. 1 No. • Square H.b type : 2 no.
9.	Widal test kit - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : Mediclone Biotech Pvt. Ltd. Chennai • Widal Test : OH – 22X5ml • For Semi Quantitative in-vitro detection of specific antibodies present in Berum against salmonella typhi O and H • Sensitivity : 5.0 mg/5ml • Packaging size : (2X5)ml • Store at 2°C-8°C
10.	Oxygen Cylinder B-Type - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : • Seamless cylinder for medical oxygen gas • Made from manganese steel • 10.2 litre water capacity (40 CUFT) fitted with bull nose type and neck cap • Hydraulic test pressure 250Kg f/cm²
11.	Oxygen flowmeter with humidifying bottle - 9 nos.	<ul style="list-style-type: none"> • Manufacturer : United Scientific and Surgicals • Composed of an Oxygen pressure regulator (P300) for cylinder • With Plastic connector for oxygen tube, a humidifier and a ball flowmeter of 0 - 15 L/min with a compact attachment to the regulator
12.	Oxygen Cylinder Trolley (B Type) - 9 nos.	<ul style="list-style-type: none"> • Tubular Framework • Two 10cms Castors • M.S Sheet base plate • Pre-treated and epoxy powder coated finish

Materials for PTS Thenzawl

Sl. No.	Item	Specification
1.	Sound System Full Set – 1 set	<ul style="list-style-type: none"> • Mixer 8-Channel : 1 No • Sound Box 3-way 500w : 2 Nos. • Amp 1500w : 1 No. • Monitor 12" 200w : 1 No. • Microphone : 2 Nos. • FM Microphone Dual : 1 No. • Sound Cable Wire : 40 Meters • Microphone Cable 10 Meters : 3 Nos. • Microphone Cable 5 Meters : 2 Nos. • Mic Stand : 1 No. • Speaker Stand : 2 Nos.

2.	Gas Welding Machine - 1 no.	<ul style="list-style-type: none"> • Arc Current : 10A • Pulse Frequency : 50/60 Hz • Pilot Arc Current : 10A • Rated Duty Cycle : 100% • Motor type : AC Motor • Voltage : 220V/380V • Power(W) : 3KW • Max Gas output : 1000L/h • Max Power Consumption : 3KW • Max Working Pressure : 0.2Mpa • Water feed : Automatic • Fuel : Pure Water, Electricity • Flame Temperature : 2800° • Warranty : 1 Year
3.	Minor OT Light - 1 no.	<ul style="list-style-type: none"> • Intensity : Not less than 50,000 Lux • Light Source Type : LED • LED Life : >50000 Hrs • Positioning : Mobile • Power Supply : 220V/50Hz AC • Brightness Control : Touch • Focusing : Adjustable • Adjustable Colour Temperature • Protective fire resistant ESG safety glass for scratch proof • Fast disinfection process • UV/IR rays protection and improved light penetration • Good ventilation of heat • Shadow Less
4.	Suction Machine - 1 no.	<ul style="list-style-type: none"> • Input power : 150VA • Dimension : 50x40x60(cm) • Capacity : Not less than 350Kh/h • High efficiency • Accurate productivity • Reliable performance
5.	Scuba Tank - 1 no.	<ul style="list-style-type: none"> • Water Capacity : Not less than 9L • Pressure : High • Working Pressure : 300 Bar • Burst Pressure : 450 Bar • Material : Composite high performance carbon fiber • Cylinder's Neck Thread : M18*1.5
6.	Electronic Target System with Laptop - 1 no.	<ul style="list-style-type: none"> • Design for use both at outdoor and indoor shooting ranges • Programmable to perform various movement for firing practices • Portable and easy to operate • Rugged all-weather system meeting IP 65 standards • Available both in wired and wireless configurations and operates either with 230V AC Hz or with DC battery power • Realistic environment for specialized training • Reflex shooting of trainees • Embedded motion sensors expose target automatically • Firing Mode : Pop-Up, Slicing, Swing Out, Rotate • Horizontal Sliding Targeys with varying speeds • System should include Control Unit i.e. Laptop with LAN option for connectivity and preinstalled software for setting up of target movements, sensitivity of hit detection sensor and different exercises.
Improvement of CPW		
1.	Impact Socket Set - 1 set	<ul style="list-style-type: none"> • ½ Drive Hex Sockets • ½" 10 pcs Set : 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22 mm
2.	8-Drawer Portable Workstation - 1 no.	<ul style="list-style-type: none"> • Dimension : 686 x 457 x 985mm • Single operation locking system • Heavy duty side handle • Self locking ball bearing • Drawer slide • Double wall steel construction • Castors feature 2 fixed 2 swivel with toe lock for safety and better mobility • Average Drawer Load Capacity : 45 Kgs • Trolley Load Capacity : 450 Kgs

3.	Mechanic Tools Kit Box with 65 pieces of Tools - 1 no.	<ul style="list-style-type: none"> • ½" Hex Socket 20 pcs : 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm • Deep offset combination Spanners 18 pcs: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24 (mm) • ½" Ratchet Handle 1 pc • ½" Universal Joint 1 pc • Hex key set with ball end-Long-Metric 7 pcs: 2, 3, 4, 5, 6, 8, 10(mm) • ½" Sliding T Bar 1 pc • ½" Spark Plug Socket 2 pcs: 16&21(mm) • Heavy Duty Pin Punch 1 pc: 6mm • Locking Piller 1 pc: 250mm (10") • Ball Pein Hammer-Hiclory Wood 1 pc: 456gms • Phillips Screwdriver 4pcs: Ph 2x38mm, Ph 1x75mm, Ph 2x100mm, Ph 3x150mm • Slotted Screwdriver 6 pcs: 6.5x3.8mm, 3x75mm, 4x100mm, 6.5x150mm, 8x150mm
4.	Hydraulic Two Post Lift - 1 no.	<ul style="list-style-type: none"> • Lifting capacity: 4 ton • Lift Height: 1700mm • Rise Time: 50 sec • Drop Time: 20 sec • Power Motor: 2.2 KW • Power Supply: 440v/220v • Width of the Rack: 3260mm • Height of the Rack: 2725mm • Width between Rack: 2728mm • Net Weight: 550 Kg/600 Kg
5.	Tyre Changer - 1 no.	<ul style="list-style-type: none"> • Power Supply: 220v 50 Hz • Motor Power: 0.75~1.1KW • Bead-remove cylinder: 2500Kgs • Operating pressure: 0.8~1MPa • Rim diameter: 225~560mm (10"~22") • Rim Width: 76~410mm (3"~16") • Max Wheel Diameter: 1000mm • Noise: <70 dB • Package size: 970*770*900mm
6.	Dent Puller Machine - 1 no.	<ul style="list-style-type: none"> • No. of Phases: 1 pc • Secondary voltage: 7V/DC • Control current connection socket: Renk XLR • Connecting socket diameter: 13mm • Product weight(per item): 25 Kg • Secondary current short circuit: 1800 A/AC • Length: 330mm • Width: 210mm • Height: 300mm • Cable cross section: 4 mm² • Nominal Voltage: 230 V/AC • Frequency: 50 Hz • Power rating: 2 kw • Main fuse: 16 Amp • Secondary current short circuit: 1800 A/AC
7.	Heavy Duty Transmission Hydraulic Jack - 1 no.	<ul style="list-style-type: none"> • Capacity: 1~10 tons • Min. Height: 850mm
8.	Heavy Duty Car Washer - 1 no	<ul style="list-style-type: none"> • Max Pressure: 160 bar • Rated input power: 4000W • Operating pressure: 150 bar • Max inlet temperature: 50°C • Cable Length: 5 m • Hose length: 15 m • Material (Hose): Rubber with steel jack • Weight (without accessories): 40.6 kg • Max flow rate: 800 l/h • Pump system: Wobble plate • Pistons: Ceramic coated • Motor type: Induction • Lance: Variably adjustable fan spray lance (stainless steel) • Three-phase current: 400 V, 3 Phase

9.	6 inch Sander Machine - 1 no.	<p>Features</p> <ul style="list-style-type: none"> • Grinding speed, shorten operating time • Uniform and Smooth polishing effect • Anti-freeze slip pouches, suitable for prolonged use • Light weight, low height, easy to operate • Suitable for automotive sheet metal coating operations <p>Technical specifications</p> <ul style="list-style-type: none"> • Free speed: 9000RPM • Max Pressure: 90PSI • Sanding pad: 6"/125mm • Air inlet: 1/4 NPT • Air hose: 3/8" • Average air consumption: 12 CFM (340 l/min) • Package included: 1 Set x Air Palm Sander
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