| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| [**Description**](https://www.indiamart.com/proddetail/acsr-conductor-jointing-machine-motorized-12632779497.html) |  | Hydraulic conductor crimping machine complete with Motorized Hydraulic Pump |  |
| **Operation** |  | Hydraulic pump and manual pump |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Size (H/W/L) |  |  |  |
| Maximum crimping capacity | Ton | 120 |  |
| Crimping force |  |  |  |
| Crimping capacity (conductor diameter) | mm | 12-50 |  |
| Dies diameter (two sets for each dies type)  For both steel and aluminum conductor diameter | mm | 12,14,16,18,20,22,24,26,30,32,34,36,38,40,45,50 |  |
| Power source |  | Hydraulic |  |
| Compressor pump operation |  | hand pump or electric pump |  |
| Motorized Hydraulic Pump capacity |  |  |  |
| Motorized Hydraulic Pump fuel |  | Gas oil |  |
| Hand pump |  | Yes |  |
| Standard accessory |  | Motorized Hydraulic Pump station |  |
|  | Hand pump |  |
|  | Hydraulic conductor crimping machine |  |
|  | 2 sets of dies for each of the above stated conductor diameters |  |
|  | Any other accessories required for complete operation |  |
|  |  |  |
|  |  |  |

# Hydraulic conductor crimping machine

# Hydraulic conductor cutter

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Hydraulic Operated ACSR and other conductor cutter |  |
| Type |  | Light weight, portable, Manually pumped hydraulic conductor cutter |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Size (HxWxL) | mm |  |  |
| weight | kg |  |  |
| Operation type |  | manual operation |  |
| cutting capacity | ton | >9.5 |  |
| Automatic Pressure safety valve |  | Yes |  |
| Maximum Conductor size | mm | 45mm |  |
| Conductor type |  | Copper, ACSR, OPGW, shield wire and Aluminum |  |
| Blade type |  | Easily replaceable and steel alloy |  |
| Included parts |  | 24 sets of spare blades |  |
|  | Carrying bag |  |
|  |  |  |
|  |  |  |

# Tirfor winch

# 5 ton and 8 ton polling capacity

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| Description |  | **8 ton tirfor winch manually operated** |  | **5 ton tirfor winch manually operated** |  |
| Type |  | Lever Hoist |  | Lever Hoist |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | Steel |  | steel |  |
| Dimensions | mm |  |  |  |  |
| weight | kg |  |  |  |  |
| Breaking load | ton |  |  |  |  |
| polling capacity | ton | >5 |  | >8 |  |
| Lifting capacity | ton | *>*3.2 |  | >5.4 |  |
| Sling type |  | 20m steel wire rope |  | 20m steel wire rope |  |
| Wire diameter | mm | >16 |  | >20 |  |
| Overload protection |  | Yes |  | Yes |  |
|  |  |  |  |  |  |

# 10 ton polling capacity

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | **10 ton tirfor winch manually operated** |  |
| Type |  | Lever Hoist |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Steel |  |
| Dimensions | mm |  |  |
| weight | kg |  |  |
| Breaking load | ton |  |  |
| polling capacity | ton | >10 |  |
| Lifting capacity | ton | *>*6.4 |  |
| Sling type |  | 20m stainless steel wire rope |  |
| Wire diameter | mm | >20 |  |
| Overload protection |  | Yes |  |

# Self-gripping clamp

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | for 400kV and 500kV voltage level conductor |  |
| Type |  | Self-Gripping clamp Light and strong |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | high strength heat forged steel |  |
| Dimensions | mm |  |  |
| weight | kg |  |  |
| Breaking load | N |  |  |
| Maximum working load | ton | >12 ton |  |
| Working conductor Diameter range | mm | 28-46 |  |

# Nylon Rope (diameter-14mm, 16mm, 18mm, 20mm and 24mm)

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **Nylon rope braided or twisted type** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Nylon |  |
| Length per reel | meter | 300m each |  |
| weight | kg |  |  |
| diameter | mm | 14,16,18, 20, 24 |  |
| Maximum Working load | ton | >10 ton |  |
| Type |  | Braided or twisted rope |  |

# Polyester webbing sling (5 ton, 8 ton, 12 ton and 20 ton)

Each round sling is labeled and certificated in accordance with the relevant standard together with information about safety use and maintenance

## 5 ton and 8 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| Description |  | Polyester webbing sling  5 ton |  | Polyester webbing sling  8 ton |  |
| Type |  | Webbing sling Round and both eye type |  | Webbing sling Round and both eye type |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | polyester fibres |  | polyester fibres |  |
| Length | meter | (Three types) 1m, 2m,3m |  | (Two types) 0.5m, 2m |  |
| weight | kg |  |  |  |  |
| diameter | mm | >30 |  | >40 |  |
| Vertical lifting capacity | ton | 5 |  | 8 |  |
| Color coded |  | Yes |  | Yes |  |

## 10 ton and 12 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| Description |  | Polyester webbing sling  10 ton |  | Polyester webbing sling  12 ton |  |
| Type |  | Webbing sling Round and both eye type |  | Webbing sling Round and both eye type |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | polyester fibres |  | polyester fibres |  |
| Length | meter | (One type) 1m |  | (One Type) 10m |  |
| weight | kg |  |  |  |  |
| diameter | mm | >45 |  | >50 |  |
| Vertical lifting capacity | ton | 10 ton |  | 12ton |  |
| Color coded |  | Yes |  | Yes |  |

## 20 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Polyester webbing sling  20 ton |  |
| Type |  | Webbing sling Round and both eye type |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | polyester fibres |  |
| Length | meter | (Three types) 3m, 6m,20m |  |
| weight | kg |  |  |
| diameter | mm | >65 |  |
| Vertical lifting capacity | ton | 20 ton |  |
| Color coded |  | Yes |  |

# Lever chain hoist 5 ton and 10 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| Description |  | **5 ton Lever chain Hoist** |  | **10 ton Lever chain Hoist** |  |
| Type |  | **Compact and durable Lever chain hoist** |  | **Compact and durable Lever chain hoist** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | heavy-duty forged steel |  | heavy-duty forged steel |  |
| Dimensions | mm |  |  |  |  |
| weight | kg |  |  |  |  |
| Breaking load | ton |  |  |  |  |
| Lift capacity | ton | 5 |  | 10 |  |
| Guide slots guard |  | Included |  | Included |  |
| Operation type | mm | Manual |  | Manual |  |
| No of load chains |  | 1-3 |  | 2-4 |  |
| Load chain diameter | mm | 8-10 |  | 8-10 |  |
| lifting height | m | >3 |  | >3 |  |
| Gear assembly provide smooth operation by little hand efforts |  | Yes |  | Yes |  |

# Chain block hoist 5 ton and 8 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| Description |  | **5 ton chain block Hoist** |  | **8 ton chain block Hoist** |  |
| Type |  | **Compact and durable manual chain block hoist** |  | **Compact and durable manual chain block hoist** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | heavy-duty forged steel |  | heavy-duty forged steel |  |
| Steel Formed Cases |  | Both gear and wheel should be protected by steel cases |  | Both gear and wheel should be protected by steel cases |  |
| Brake Mechanism |  | Should be reliable for any load |  | Should be reliable for any load |  |
| Load Chain Guide |  | Included |  | Included |  |
| Upper & Lower Hooks |  | Forged steel 360o rotation and with safety latch |  | Forged steel 360o rotation and with safety latch |  |
| Type |  | Manual |  | Manual |  |
| Dimensions | mm |  |  |  |  |
| weight | kg |  |  |  |  |
| Breaking load | ton |  |  |  |  |
| Lift capacity | ton | 5 |  | 8 |  |
| No of load chains |  | 1-3 |  | 2-4 |  |
| Standard lift 3m | m | 3m |  | 3m |  |
| Load chain & operating chain |  | Shall be calibrated type |  | Shall be calibrated type |  |

# Steel wire rope slings both end spliced

## 10mm and 12mm diameter

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| **Description** |  | **10 mm diameter Length 2m both end spliced steel wire slings** |  | **12 mm diameter Length 3m and 1.5 m both end spliced steel wire slings** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | Galvanized Steel |  | Galvanized Steel |  |
| Length | meter | 2 |  | 3 and 1.5 |  |
| weight | kg |  |  |  |  |
| diameter | mm | 10 |  | 12 |  |
| Working load Vertical single leg lifting capacity | ton | >1.1 |  | >1.7 |  |
| Type |  | Round and both eye type, machine swaged, robust construction |  | Round and both eye type, machine swaged, robust construction |  |

## 16mm diameter

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **16 mm diameter Length 2m both end spliced steel wire slings** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Galvanized Steel |  |
| Length | meter | 3 and 1 |  |
| weight | kg |  |  |
| diameter | mm | 16 |  |
| Working load Vertical single leg lifting capacity | ton | >3.0 |  |
| Type |  | Round and both eye type, machine swaged, robust construction |  |

# Steel Snatch Block

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| **Description** |  | **3 ton Single wheel**  **heavy-duty steel snatch block** |  | **6 ton Single wheel**  **heavy-duty steel snatch block** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | Steel |  | Steel |  |
| weight | kg |  |  |  |  |
| wire diameter | mm | 10-14 |  | 14-20 |  |
| Rated load | ton | >3 ton |  | >6 ton |  |
| Type |  | Single sheave, open |  | Single sheave, open |  |
| Fitting type |  | Hook, eye |  | Hook, eye |  |

# Closed type single sheave pulley

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| **Description** |  | **2.5 ton heavy-duty steel single sheave pulley** |  | **5 ton heavy-duty steel single sheave pulley** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | Steel |  | Steel |  |
| weight | kg |  |  |  |  |
| Rope diameter | mm | 12 |  | 12 |  |
| Rated load | ton | >2.5 ton |  | >5 ton |  |
| Type |  | Single sheave, closed type |  | Single sheave, closed type |  |
| Fitting type |  | Hook, eye |  | Hook, eye |  |

# Double sheave pulley

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **6 ton heavy-duty steel double sheave pulley** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Steel or iron |  |
| weight | kg |  |  |
| Rope diameter | mm | 16-20 |  |
| Rated load | ton | >5 ton |  |
| Type |  | Double sheave pulley |  |
| Fitting type |  | Hook, eye |  |

# Four sheave pulley

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| **Description** |  | **5 ton heavy-duty steel single sheave pulley** |  | **10 ton heavy-duty steel single sheave pulley** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  | Steel |  | Steel |  |
| weight | kg |  |  |  |  |
| Rope diameter | mm | 14-16 |  | 16-20 |  |
| Rated load | ton | >5 ton |  | >10 ton |  |
| Type |  | four sheave |  | four sheave |  |
| Fitting type |  | Hook, eye |  | Hook, eye |  |

# Different types of wrenches

## Socket wrench sets (10-55 mm diameter)

Should include the following

* Heavy duty storage case
* socket wrench all possible combinations from 10 mm-50 mmOpen and ring type
* material-solid chrome-vanadium or better material

## Torque wrench sets (5-10 Ton)

Should include the following

* Heavy duty storage case
* Torque wrench all possible combinations from 5-10 Ton
* All possible bits
* All possible spine sockets
* material-solid chrome-vanadium or better material

## Hammer (3, 4 and 5) kg

* Fiberglass handle Sledge Hammer
* Head material Steel or better material
* polished or electrostatic spraying
* capacityt:3kg, 4kg and 5kg

1. heavy duty pliers sets

It should include a set of different pliers for

* all with insulated handle grip
* convenient tool case
* material- drop forged hardened jaws or better material

# Motorized overhead conductor Inspection Trolley (conductor inspection cable car)

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Inspection trolley for Twin conductor |  |
| Power type |  | Motor operated |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Steel or better material |  |
| weight | kg |  |  |
| Maximum through diameter | mm | 40 |  |
| Rated load | kN | >1.5 |  |
| Conductor spacing | mm | 400 |  |
| Conductor Arrangement |  | Horizontal |  |

# Gin Pole

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Aluminum gin pole for power system construction |  |
| Type |  | Light weight and strong, 3 Lattice separate parts 4 m each to be connected each other |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Aluminum |  |
| weight | kg |  |  |
| Rated strength | ton | >2 |  |
| Length | m | 4+4+4=12 |  |
|  |  | Frame style aluminum alloy inner suspend derrick mast |  |

# Outdoor Binocular

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Outdoor type binocular, can focus object from 1km |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Durable Rubber-Armored Coating or better material |  |
| weight | kg |  |  |
| Dimensions | mm |  |  |
| Magnification (Zoom) |  | X8 - X20 or better |  |
| Objective diameter | mm | 50mm or better |  |
| Water Resistance Level |  | Water proof |  |
| With durable carrying bag |  | Yes |  |
| Field of view |  | 10m @ 1000m |  |
| Lens type |  | Multicoated Eco-Glass Lenses or better |  |
| Smooth Central Focus Knob and Eyepiece Zoom |  | Yes |  |
| Turn-and-Slide Multi-Click Rubber Eyecups |  | Yes |  |

# Grinder Machine

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **Portable (Hand) grinder** |  |
| **Type** |  | **Single phase Slim and lightweight** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | Industrial cast iron or better |  |
| weight | kg |  |  |
| Dimensions | mm |  |  |
| Power source | m | Electrical-Powered |  |
| Voltage |  | 220 V – 50 Hz |  |
| Rated input power |  | >660 W |  |
| Cutting diameter | mm | >100 |  |
| No load speed |  | 12000rpm or better |  |

# Manual heavy duty wire cutter

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Manual cable cutter up to 40mm cable diameter |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Handle Material |  | Tough rubber sheathed or better |  |
| Cutting edge material |  | forged steel jaw or better |  |
| weight | kg |  |  |
| Dimensions | mm |  |  |
| Type |  | Manual and heavy duty |  |
| Maximum cable diameter | mm | 40 |  |
| Applicable Wire type |  | AL/CU/ACSR cable |  |
|  |  |  |  |

# Chain Saw Machine

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Heavy duty gasoil chain saw |  |
| Type |  | Gas oil Chainsaw |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  |  |  |
| weight | kg |  |  |
| Dimensions | mm |  |  |
| Engine type |  |  |  |
| Power source |  | Gasoline powered |  |
| power | kw | >3.4 |  |
| Engine speed |  |  |  |
| Blead length | mm | >500 |  |
| OIL TANK | ml |  |  |
| FUEL TANK | ml | >550 |  |
| Cooling system |  | Forced Air Cooling or better system |  |

# Aluminum alloy sliding ladder

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **Aluminum alloy sliding ladder maximum length 10m** |  |
|  |  |  |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | **Aluminum** |  |
| Aluminum Thickness | mm |  |  |
| Weight with hook | kg |  |  |
| Min. working Length | m | 3-4 |  |
| Maxi. Working length | m | 10 |  |
| Working load capacity | Kg | >150 |  |
| Type |  | Sliding Single ladder |  |

# 

# Non-Contact AC High Voltage detector (For detecting voltage in high voltage overhead transmission line)

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | **Voltage detector for 400kV and high voltage transmission line 500kV** |  |
| Type |  | Light weight, robust and compact |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  |  |  |
| Dimension | mm |  |  |
| Voltage detecting setting | kV | 400, 500 |  |
| Weight | kg |  |  |
| Compatible with hot sticks |  | Yes |  |
| Voltage indication |  | Visual and Audible indication |  |
| Suitable for Indoor and outdoor service |  | Yes |  |
| Power source |  | battery |  |
| Connection to hot sticks |  | Universal spline on end or other better connection system |  |
| Durable carrying case |  | Included |  |
| hot sticks |  | to be supplied together with the detector |  |
| rubber insulating gloves |  | Should be included |  |

# Portable earthing system for high voltage transmission line

(earthing kits for 3-phase system-transmission and substation)

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Portable earthing system for high voltage transmission line |  |
| Type |  | Light weight, robust and compact |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  |  |  |
| Dimension | mm |  |  |
| Weight | kg |  |  |
| Operating Voltage |  | Three phase, 400kV and 500kV |  |
| 3 phase connecting cable material |  | Copper |  |
| Earthing cable diameter | mm2 | >50 |  |
| Earthing cable material |  | Copper |  |
| Material Operating Rod |  | Super Epoxy Non-Alkali Fiberglass Fabric Tube or other better material |  |
| Earthing rod length | m | >3 |  |
| Material of Contact Clamps |  | Copper |  |

# PORTABLE WELDING MACHINE

## Single phase portable Welding machine and Three phase Argon Arc welding machine

| **Item Description** | **Unit** | **Required** | **Guaranteed** | **Required** | **Guaranteed** |
| --- | --- | --- | --- | --- | --- |
| **Type** |  | **single phase Portable welding machine** |  | **Three phase Argon arc Welding machine with all required tools and machinery** |  |
| **Description** |  | **Light Weight And Compact Design, arc welding machine** |  | **Compact Design, arc welding machine** |  |
| Manufacturer |  |  |  |  |  |
| Country of Origin |  |  |  |  |  |
| Code Name: |  |  |  |  |  |
| Material |  |  |  |  |  |
| weight | kg |  |  |  |  |
| Dimensions | mm |  |  |  |  |
| Welding type |  |  |  | TIG Welding or other better type |  |
| Cooling system |  | Fan/water/oil cooling |  | Fan/water/oil cooling |  |
| Efficiency |  | >85% |  | >85% |  |
| Rated input voltage |  | 220 |  | 380 |  |
| Rated Input Power Capacity | KVA | >14.7 |  | >16.8 |  |
| Input frequency | Hz | 50 |  | 50 |  |
| Motor type |  |  |  |  |  |
| Rated output Current at 60% duty cycle | A | >250 |  | >400 |  |
| Welding thickness | mm |  |  |  |  |
| Gas flow checking |  |  |  | Included |  |
| |  |  | | --- | --- | | Generator Compatible |  | |  | Yes |  | Yes |  |
| Standard accessory |  | Earth clamp with 2m copper cable |  | Earth clamp with 2m copper cable |  |
|  | Welding holder with 2m copper cable |  | Welding holder with 2m copper cable |  |
|  |  |  | 10lt Gas cylinder with gas regulator and all required accessory |  |
|  | Hamer crush |  | Hamer crush |  |
|  | Professional auto-darkening welding mask |  | Professional auto-darkening welding mask |  |
|  | Electrodes |  | Electrodes |  |
|  |  |  | 4m torch |  |
|  | All other required accessories should be supplied |  | All other required accessories should be supplied |  |

## Three phase diesel welding generator

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| **Description** |  | **Three phase diesel welding generator with complete accessories** |  |
| **Type** |  | **Light Weight And Compact Design** **diesel welding generator** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  |  |  |
| weight | kg |  |  |
| Dimensions | mm |  |  |
| Cooling system |  | Water/Forced air |  |
| **Welding** |  |  |  |
| Current range | A | 20-400 continuous |  |
| Electrode Diameter | mm | 2.6 mm to 5.0 mm |  |
| Welding type |  | Dc welding |  |
| **AC Generator** |  |  |  |
| Type |  | Brushless or other better type |  |
| Rated AC Output (3-Phase) | kw | 5 |  |
| AC. Voltage | V | 220 / 380V |  |
| Rated AC Output (Single Phase) | KVA | 2.5 |  |
| Circuit Breaker (3-Phase and 1-phase) |  | included |  |
| Frequency | Hz | 50 |  |
| **Engine** |  |  |  |
| type |  |  |  |
| Maximum Power | HP | >14 |  |
| Starting System | mm | Recoil / Electric Start |  |
| Fuel type |  | Standard DIESEL |  |
| Fuel Tank Capacity | lt | >16 |  |
| |  |  | | --- | --- | | Fuel Consumption |  | | Ltr./Hr | <1.3 |  |
| Continues Operating Hour |  | >10 |  |
| **Standard accessory** |  | AC Plug – 3 Phase with Single Phase |  |
|  | Welder Holder with Cable |  |
|  | Earthling Clamp with Cable |  |
|  | Tool Kit |  |
|  | Professional auto-darkening welding mask |  |
|  | Electrodes |  |
|  | Battery |  |
|  | All other required accessories should be supplied |  |

# VHF PORTABLE RADIO

| VHF base RADIO |  |  |  |
| --- | --- | --- | --- |
| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| **Description** |  | **VHF Base radio to be installed in vehicles** |  |
| **Type** |  | **Compact and robust design** |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material | **Kg** |  |  |
| Dimension | **mm** |  |  |
| Channel capacity |  | >250 |  |
| Range | **km** | >25 |  |
| Number of Buttons |  | >10 |  |
| one-to-one or one-to-many communication capability |  | Yes |  |
| Emergency button |  | Included |  |
| Emergency signaling |  | Included |  |
| Frequency band |  |  |  |
| Suitable for Indoor and outdoor service |  | Yes |  |
| Battery |  | Li-ion battery, 17 hours battery life |  |
| Optional voice storage board |  | More than 120 seconds |  |
| Canned Text message capability |  | Yes |  |
| Trunking capability | **MHz** | Yes |  |
| Operating Temp. range | **oC** | 0-60 |  |
| Store call signs |  | More than 6 call signs can be stored |  |
| Preprogrammed |  | ready to use straight from the box |  |
| Standard accessory |  | Should be included |  |
|  | Power Supply |  |
|  | Hand Microphone |  |
|  | Power Cable |  |
|  | user manual |  |

## Walkie-Talkie portable radio

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | Wireless Walkie Talkie |  |
| **Type** |  | **Robust construction** | **Type** |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  |  |  |
| Dimension | mm |  |  |
|  |  |  |  |
| Channel capacity |  | > 128 |  |
| Weight | kg |  |  |
| Range | km | >25 |  |
| Emergency button |  | Included |  |
| Emergency signaling |  | Included |  |
| Frequency band | MHz |  |  |
| Suitable for Indoor and outdoor service |  | Yes |  |
| Battery |  | Li-ion battery, 17 hours battery life |  |
| Operating Temp. range | oC | 0-60 |  |
| Store call signs |  | More than 6 call signs can be stored |  |
| Preprogrammed |  | ready to use straight from the box |  |
| Standard accessory |  | Should be included |  |
|  | Antennal |  |
|  | Battery |  |
|  | Charger Pod |  |
|  | AC adaptor |  |
|  | belt clip |  |
|  | user manual |  |

# Heavy Duty Drill Machine

# 

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| Description |  | 3-Phase Heavy Duty Pillar Drilling Machine with stand |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Material |  | superior grade iron alloy or other better materials |  |
| weight | kg |  |  |
| Overall Dimension of machine | mm |  |  |
| Maximum Distance Between Spindle to Table | mm |  |  |
| Maximum Distance Between Spindle To Base | mm |  |  |
| Working Surface of Table | mm | >250 square base |  |
| Working surface of Base | mm | Less than 1000X1000 |  |
| Base Of Machine | mm | Less than 1000X1000 |  |
| Drill Capacity in mild steel | mm | >32 |  |
| Drill Depth | mm | >140 |  |
| Motor 3 Phase Induction A.C. capacity | HP | >1.0 |  |
| Motor Speed |  |  |  |
| Rated input voltage (Three phase) | V | 380 |  |
| Cooling system |  | Water or other better cooling system |  |
| Standard accessory |  | 2 packs of drill bets each : 6mm, 12mm, 16mm and 20mm |  |
|  | All other required accessories should be supplied |  |

# Hydraulic crimping tools 12 ton

| **Item Description** | **Unit** | **Required** | **Guaranteed** |
| --- | --- | --- | --- |
| [**Description**](https://www.indiamart.com/proddetail/acsr-conductor-jointing-machine-motorized-12632779497.html) |  | 12 ton Hydraulic conductor crimping machine complete |  |
| **Operation** |  | manual pump |  |
| Manufacturer |  |  |  |
| Country of Origin |  |  |  |
| Code Name: |  |  |  |
| Size (H/W/L) |  |  |  |
| Material handles |  | Strong lightweight fiberglass handles |  |
| Maximum crimping capacity | Ton | 12 |  |
| Applicable dies |  | Uses all industry-standard U-style or shell-type dies |  |
| easy die change push button |  | Yes (other better option is acceptable) |  |
| Crimping capacity (conductor diameter) | mm | 6-25 |  |
| Power source |  | Hydraulic |  |
| Compressor pump operation |  | hand pump |  |
|  |  | 2 sets of dies for each of types |  |
|  | Carrying case |  |
|  | Any other accessories required for complete operation |  |