

6008
23/2/23.

Buyer Added Bid Specific Terms and Conditions
(For Biding through GeM Portal)

1.	Only manufacturers or authorized dealers are entitled to quote their rates. The bidder should be having relevant Licence of Manufacturer/ Authorized Dealer and such a Registration should be valid as on the date of Bid submission. The manufacturer is required to submit documentary proof to this effect that he is actually a manufacturer. Authorised dealer shall submit documentary proof issued by the concerned manufacturer to this effect that he is a authorized dealer for the quoted item/ items. Manufacturer Authorisation Certificate/Form should be bid specific with OEM details such as name, designation, address, e-mail Id and Phone No. which is required to be furnished along with the bid. Specifications of the product/item should be certified by OEM.
2.	The Manufacturer should be in the business of manufacturing of similar equipments for a period not less than 3 Years.
3.	The bidder firm must have valid GST Registration Number. TDS on GST will be deducted as per rule.
4.	Bidder should have executed the orders of similar items successfully to any State Govt. organization/ institution/ public sector undertaking/ Central Govt. agency of the State/Central Government in at least one financial year out of last three Financial Years. Proof Attach.
5.	A certificate for satisfactory supply of similar items to any State Govt. organization/ institution/ public sector undertaking/ Central Govt. agency is required to be submitted by the bidder, failing which the Bid is liable to be rejected. The firms are required to submit documentary proof in this regard.
6.	The Average Annual Turnover of the firm/ bidder should be 3 Lakhs for the Bided / similar items in last three financial years and a certificate from CA should be attached with the bid.
7.	Net worth or turnover and installed capacity of the bidder (in case of manufacturer) should be equal to the value of the quantity Bided by the firm for the similar items. The firms are required to submit documentary proof in this regard.
8.	FOR:- The Rates should be inclusive of FOR desination anywhere in Haryana at consignee locations at the supplier's risk shall be inclusive of GST, Freight Charges & other taxes/duties etc.
9.	DELIVERY PERIOD:- 30 Days at ITIs from the date of placement of supply order.
10.	PAYMENT TERMS:- 90% payment will be made by the consignee ITIs within 30 days on receipt of duly inspected and accepted items by the constituted Inspection Committee at consignee destination. Remaining 10% payment will be made after successful working/installation/ demonstration of items at site within duration of 15 days. 100% payment towards petty tools/ equipments/ furniture shall be released after physical delivery and complete installation (if any) of the items in the Institute after due verification /checking and acceptance. Delay Payment does not have any Interest.
11.	WARRANTY: As per applicable by the Manufacturers on manufactured goods or minimum three year complete.
12.	INSPECTION:- The inspection will be done by the ITI through its authorized representative at the firms premises before dispatch of material. In case, the material offered for inspection by the firm fails to meet the specifications stipulated in Bid/Order/Contract and the samples are rejected by the Inspecting Committee, the Identing Institute will have the right to levy a penalty at 0.1% of the total order value. In case, the material offered for inspection fails during the 2nd inspection also, the ITI will have the right to increase the penalty to 0.25% of the total order value. In case, the material offered fails during the 3rd and final inspection also, the firm will be liable for penal action including forfeiture of EMD, risk purchase, debarring/ blacklisting in future, and no further opportunity for inspection would be provided to the supplier firm.

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Note:- All the annexure from 'Annexure 1 to 16 including annexures/Govt. orders/ notifications are applicable to this present Bid.

Other Terms & Conditions:-

1. Price Fall Clause:

Price fall clause will be as per condition no. 15 of "General Conditions of Supply" as available at **Annexure-9**. The same is that the price quoted in the Bid/quotation or approved in the Rate Contract for the stores shall not exceed in any way the lowest price at which the Biderquote for the supply the stores of identical description to DGS&D, New Delhi/ State Government Institutions/Undertakings/any other person during the delivery period/currency period of the rate contract. If, at any time during the delivery period/currency period, the successful Bider reduces the rates/sale price of the quoted stores to any person at the price lower than the price chargeable under the supply order/ rate contract, the Biders should forthwith notify such reduction and inform this office and the price payable under the supply order/contract for the stores supplied after the date of coming into force of such reduction of the rates shall stand correspondingly reduced to that level. The successful Biders shall promptly notify the reduction of rates to this office as well as to the concerned Indenting Officer/ Consignees. The Bider shall also give a certificate on their bills that the rates charged by them are not in any way higher to those quoted by them to the DGS&D, New Delhi and other State Government etc., during the corresponding period. The Indenting Officer shall be required to ensure that requisite certificate is given by the concerned firm on the bills before releasing their payments.

2. **Penalty to firm on Delay in delivery:** In case of delay in delivery beyond the delivery period, a penalty amount @ 0.5% of price of supply order for one week (seven days) for the delay of first two weeks and @ 1.0 % per week for the delay of five weeks (35 days) upto a maximum cap of penalty of 6.0% for total delay of seven weeks (49 days) would be applicable for each indented item. Thereafter, DS&D, Haryana could cancel the order in consultation with indenting department and suitable action could be taken against the supplier firm as per DS&D, Haryana latest policy/ instructions. However, if, purchasing department opts, to accept the items beyond seven weeks (49 days) delay, 1.0% penalty per week would continue for any unjustified delay in delivery till the supply is completed.
ii) In case of any complaint in the working of indented items during the warranty period, the firm shall attend the same with in 48 hours from the time of logging of first complaint call by the concerned consignee/ Govt. ITI and the items must be repaired/ replaced with in 72 hours thereafter. The complaint (s) would be logged by the concerned consignee/ Govt. ITI by email in order to keep the proper delivery records. Further in case of failure to repair/ replace faulty item (s) with in 120 hours, penalty to the supplier @ Rs. 250/- per day per concerned consignee/ Govt ITI will be applicable from the day & time of lodging the complaint.
3. **Evaluation of Bids:** The procurement committee constituted under STRIVE shall evaluate the Bid with reference to technical requirements and various other commercial criteria given in the Bid Document. Further, the received price list of the asked items subject to the reasonability and comparability prevailing in market. Each items evaluated seperately.
4. This BOQ bid is being floated on GeM Portal to call the competitive prices of the asked items, however supply order shall be released/placed by the ITI as per the actual latest requirement of the ITI subject to the reasonability of rates and complete satisfaction.
5. The quantity of items may be increased or decreased.
6. The Bid inviting authority/order placing authority may ask for samples and demonstration of any particular item quoted by the bidders. The bidders shall have to submit samples and give Demonstration in the prescribed time limit.

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7. All Items should be supplied with quality certificate. The ITI may get the items inspected by such person or persons, the competent authority/committee of ITI deems fit and to reject such of these items as in of the opinion do not come up to the specification. The decision of the competent authority/committee of ITI will be final in such cases. The rejected items will be returned on the bidder's cost.
8. The telephonic / return / e-mail complaints regarding fault / mal-functioning/ non-working etc. of the tool / machinery / furniture within warranty period will have to be attended within a week by the supplier & no any extra charges shall be paid to the firm in this regard.
9. In case supplied Items are found not as per specifications, then whole payment will be withheld and shall be released only after receipt of replacement items of desired specifications & quality.
10. Regarding Observation of warning signs of Collusion/Bid Rigging by the bidder firms in various Bidding processes issued by the State Government vide G.O. No. DS&D/Admin/CCI/EA-II/20211083-1283 dated 23.4.2021 will be applicable. (Annexure- 16).
11. Negotiation of Rates

Regarding negotiations of rates, policy issued by the State Government vide G.O. G.O. No.2/2/2010-4-IB-II dated 16.06.2014 (Annexure-5), G.O. No.2/2/2010-4-IB-II dated 09.02.2015 (Annexure-6) will be applicable/if applicable.

12. Concession to MSMEs of State:

The State Government has notified "Haryana State Public Procurement Policy for MSME - 2016" vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016 (Annexure-2) and amendment vide G.O. No. 2/2/2016-4IB-II dated 11.12.2019 (Annexure-8) and as amendment vide G.O. No. 2/2/2016-4IB-II dated 13.08.2021 (Annexure-7) which will be applicable in respect of concessions to Haryana based MSMEs and KVIs. For claiming the relevant concession/s like Bid Fee, Earnest Money Deposit (EMD), Turnover, Exemption in respect of Past Performance & Experience, Purchase Preference and Performance Security, the bidders are required to submit the documentary proof from Government authorities showing that they come under Haryana based manufacturing MSME/KVI units as the case may be e.g. *Entrepreneurs Memoranda in Haryana in bidder's name and further subject to fulfillment of eligibility criteria as provided in the said Policy of 2016.

***Note:-** To claim the concessions/benefits under the above policy, the bidder is required to submit SSI Certificate/Manufacturing Entrepreneurs Memorandum (part-II) issued by the Industries Department Haryana in respect of the quoted item /Udhyog Aadhaar Memorandum (UAM)/Udhyam Registration of Haryana based manufacturing enterprises in respect of the quoted item (Ref. Industries & Commerce Department Haryana Memo No. TS/DS&D/11389-A Dated 03.07.2018) and further subject to fulfillment of eligibility criteria as provided in the said Policy of 2016 and amendments from time to time.

13. Concession/benefits to Startups/First Generation Entrepreneurs of State:

The State Government has notified "Concession/benefits in Public Procurement to Startups/First Generation Entrepreneurs of State" issued vide G.O. No. 2/2/2016-4I B-II dated 03.01.2019 (Annexure-3) (or as amended from time to time in this regard) which will be applicable in respect of concessions to Startups/First Generation Entrepreneurs of State. For claiming the relevant concession/s like Bid Fee, Earnest Money Deposit (EMD), Turnover, Exemption in respect of Past Performance & Experience, Purchase Preference and Performance Security, the bidders are required to submit the documentary proof as per the said policy.

14. In case of evidence of cartel formation by the bidder(s), the EMD is liable to be forfeited along with other actions as are permissible to Government like filing complaints with the Competition Commission of India and/ or other appropriate forums.
15. Grievance Redressal Mechanism for dealing with the representations/ complaints/ letters of the participating bidders/ firms shall be as per procurement guidelines of STRIVE.

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16. **Preference to Make in India:-**The public procurement in the State in reference to "Preference to make in India" shall be governed by Govt. Order No.02/08/2020-4IB-II dated 18.11.2020(Annexure-10)(or as amended from time to time in this regard)
17. **Restriction in Public procurement from bidders of certain Countries:-**The restriction on procurement from bidders from a Country or Countries on grounds of Defense of India or matters directly or indirectly related thereto including National Security shall be governed by Govt. Order No.02/09/2020-4IB-II dated 10.12.2020(Annexure-11)(or as amended from time to time in this regard).
18. **Blacklisting:-** The firm should not be blacklisted/debarred either in Government Departments/Agencies in State of Haryana or Central Government Departments/Agencies etc. as on the date of submission of the bid in the present Bid.
19. **Arbitration Clause:-**The Arbitration if any will be decided as per the provision contained at Sr. No.18 of "Schedule 'B' Conditions of Contract"
20. **Jurisdiction**
All disputes will be settled within the jurisdiction at JIND.
21. No Interest shall be payable on EMD amount, security amount and performance warranty amount.
22. Earnest Money/Security Deposited to this office in previous Bids will not be adjusted towards the present Bid and no request will be entertained in this regard.
23. The EMD will be forfeited, in case Bidder withdraws its Bid during the validity of bids OR the successful bidder, who fails to sign the contract agreement.
24. Bidder should give all relevant particulars about every item, such as maker's name, country of manufacture and specifications and brand/markaetc. Apart from this, the bidder should upload the Catalogue/information brochure of the items to be supplied where maker's/brand name, model no., detailed specifications, guarantee/ warrantee information etc. be mentioned.
25. Price: The Bidder shall quote composite price inclusive of Supply. Installation, Testing, Commissioning, Training, all taxes etc.The Price shall be quoted in Indian Rupees Only. The bidder will quote price of the item as per unit of measure where applicable such as per piece/per set.
26. While quoting rates of the different items in the BOQ, the bidder will refer detailed Technical specifications mentioned in the uploaded Specification/Bid Document. The firm must quote the prices of the items strictly as per the asked specifications and the items to be supplied should be of reputed/reowned brand.
27. Notwithstanding anything contained in the Bid,Principal Govt ITI, Jind reserves the right to accept or reject any Bid, and to cancel the bid process and reject the Bid, at any time, without thereby incurring any liability to the affected Bidder or Bidders and without any obligation to inform the participating/affected Bidder(s) the reason for suchdecision.
28. The bidder shall bound to comply all the rules/regulations/guidelines/instructions of the GeM for procurement of asked items mentioned in the bid.
29. Other terms & conditions as contained in various Annexure/ Documents being attached herewithwill form a part of thisBid.
30. Each item evaluted seperately.
31. F.O.R.:- The rates should be F.O.R. destination at supplier's risk.
32. GST: Inclusive.
33. Freight Charges: Inclusive.
34. Delivery Period & Installation: Delivery & Installation of complete material needs to be completed at all locations strictly with in 30 days of order. Failure to deliver stores with in the stipulated period shall result in forfeiture of EMD and vendor shall be blacklisted.
35. Payment: 90% payment will be released with in 15 days after physical/ delivery of inspected/accepted stores in physically good condition at consignee site. Remaining 10 %

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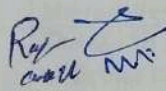
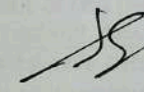


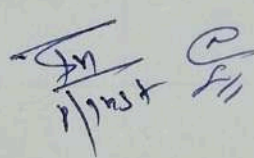
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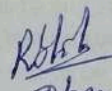
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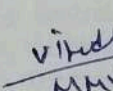
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- will be released after satisfactory installation of the items at the consignee destination.
36. Inspection: The inspection will be done by the indenting department or his authorized representatives at the firm's premises before dispatch of material. In case, the material offered for inspection by the firm fails to meet the specifications stipulated in NIT/Order/Contract and the samples are rejected by the inspection committee, the indenting department will have the right to levy a penalty at 0.1% of the total order value. In case, the material offered for inspection fails during the 2nd inspection also, the indenting department will have the right of increase the penalty to 0.25% of the total order value. In case, the material offered fails during the 3rd inspection also, the firm will be liable for penal action including forfeiture of EMD, risk purchase, debarring/blacklisting in future, and no further opportunity for inspection would be provided to the supplier firm.
 37. Warranty: 3 - year on site warranty from the date of installation.
 38. Bid Validity: Validity of prices should be for a period of one year from the date of bid opening.
 39. Only those Financial Bids will be Opened and evaluated which are found to fulfill all the eligibility and qualifying requirements of this tender.
 40. Make in India (MI Content): Minimum 50% local make in India content required. the bidder must upload a certificate from the OEM regarding the % of local content and the details of locations at which the local value addition is made.
 41. Besides terms & conditions recommended by the Department Technical Committee, DGS&D Haryana may incorporate Earnest Money Deposit (EMD), Performance Bank Guarantee (PBG), Security etc in tender as per DGS&D, Haryana rules/policy.

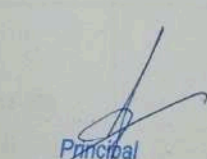






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 M.T. Inst.


 D/tech Inst.


 Vindayani
 MMU Inst.




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Bank Details of the tenderer for e-payment:-

- a. Bank Account No.: 36435445281
- b. Bank Name.: State Bank of INDIA
- c. Branch Name.: Kaithal Road, Patiala Chowk, Jawahar Nagar
- d. IFSC Code.: SBIN0016671

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Sr. No.	Name of Item	Specification	Qty	Trade
1	Micrometer Inside with extension rods	<ol style="list-style-type: none"> 1. Accuracy 0.01 mm with. 2. Measurement System : Metric. 3. Extension rods up to 150mm 4. Range: 50 to 150 mm 5. Depth: 150 mm (Required Extension Rod) 6. Setting Ring: 20 mm 7. Ratchet stop to ensure consistent measurement 8. Ext. Rods= 13mm, 25-50 mm, 50 -75 mm,75-100 mm. 9. Micrometer Head Stroke: 13mm 10. Packaging :- Box 	1 Pc	Fitter
2	Vernier bevel protractor Blade with acute angle attachment	<ol style="list-style-type: none"> 1. Supplied with manufacturer calibration certificate. 2. Size of Blade (Length):- 300 mm, 200 mm and 150 mm (set of 3 pcs) 3. Least count:- 5 minute. 4. Blade edge angle:- one side 45 degree & another side 60 degree. 5. Range: 0 to 360 degree 6. Material : Satinless Steel 7. Equiped with convex lens toughend glass 8. Supplied with Acute Angle Atteachment 9. Packaging:- Box 	1 Pc	Fitter
3	Machine Vice - Swivel Base	<ol style="list-style-type: none"> 1. Width of Jaw 125 mm. 2. Jaw open Capacity : 125 mm 3. Jaw Plate Material: High Carbon Steel with serration. 4. Weight: approx 12 Kg. 5. Swivel base graduated fully 360°. 6. Complete with all steel handle. 7. Body Material: Cast Iron. 8. Colour:- Royal Blue. 9. Packaging:- Wooden Box. 	1 Pc	Fitter
4	Sleeve drill Morse	<ol style="list-style-type: none"> 1. MT No. 0-1, 1-2, 2-3, 3-4, 4-5 (set of 5 Pc) 2. Taper Type : Morse taper. 3. Material : Alloy Steel. 4. Size:- a) MT0XMT1 L 13mm±0.2mm, dia. 145mm±2mm b) MT1XMT2 L 19mm±0.2mm, dia. 160mm±2mm c) MT2XMT3 L 24.2mm±0.2mm, dia. 194mm±2mm d) MT3XMT4 L 32.2mm±0.2mm, dia. 240mm±2mm e) MT4XMT5 L 45.2mm±0.2mm, dia. 300mm±2mm 5. Hardness:- 45-50 HRC. 6. Should be supplied in wooden/Plastic Box with proper cushioning. 	1 Pc	Fitter
5	Power Tools for Fastening	<ol style="list-style-type: none"> 1. Power:- (Watts) 2000, Voltage 240 2. Size Air Volume:- (LPM) Low300 High500 3. Rated Input Power: 2000 W 4. Net Weight: 0.700 kg 5. Handle Housing Material: Aluminum. 6. Front case Material: Steel 7. Max. Torque 745 Nm (@15s). 8. Twin hammer mechanism with front Exhaust 9. Speed position control to adjust tool speed 10. Hardness of Impact sockets 38 - 55 HRC with Super Grip Profile 11. Finish:- Black Oxide Finish. 12. Packaging:- Box. 	2 Pc	Fitter
6	knurling Tool Diamond	<ol style="list-style-type: none"> 1. Roller Size: 20 mm outer dia x 8mm width x 6mm inner dia. 2. Helix angle: 30 & 45 degree. (Each One) 3. Roller Material: High Speed Steel. 4. Pitch: Rough 1.8mm, Medium 1mm, Fine 0.8mm on a single holder each one. 	3 Pc	Fitter

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		5. Holder Length: 100 to 125mm 6. Holder Material: Medium Carbon Steel. 7. Roller Hardness:- 55-60 HRC.		
7	knurling Tool Straight	1. Roller Size: 20 mm outer dia x 8mm width x 6mm inner dia. 2. Roller Material: High Speed Steel. 3. Pitch: Rough 1.8mm, Medium 1mm, Fine 0.8mm on a single holder each one. 4. Holder Length: 100 to 125mm 5. Holder Material: Medium Carbon Steel. 6. Roller Hardness:- 55-60 HRC.	3 Pc	Fitter
8	Indexable boring bar with inserts	1. Insert Material:- Carbide. 2. Size:- 12 mm 3. Type:- Straight Shank (Cylindrical) 4. Features : Tip Insert (Replaceable) 5. Corrosion Resistance:- Yes. 6. Shank type : 150 to 175 mm. 7. Compatible with Insert:- CCMT 09T3 8. Clamping Screw:- M 3.5 X 11.0/T15 9. Clamping Key:- T15. 10. Packaging:- Box.	12 Pc	Fitter
9	Temperature Gauge	1. Range (0-150) Deg C 2. Stem dia - 6 mm 3. Stem length - 150 mm 4. Probe material - SS 316 5. Enclosure - Flameproof 6. Dial die - 100 mm 7. Display Type : Digital (Digits) 8. Accuracy:- ±0.1 of FS 9. Connection:- 1/2" BSP 10. Power Supply:- 7.5V DC 11. Battery Life:- 2000 Hours. 12. Packaging:- Box.	2 Pc	Fitter
10	Dowel pin Straight	1. Dia.: 25.4mm. 2. Length: 100mm. 3. Material: Stainless Steel. 4. Both side chamffered angle: 45 to 60 degree. 5. Roughness Grade : N6 6. Packaging:- Box	3 Pc	Fitter
11	Lapping Plate	1. Diameter:- 150 mm 2. Flatness Tolerance:- 4.0 microns 3. Top Surface Provided with 3x3 mm grooves. 4. Pitch:- 25-30 mm 5. Surface Material :- Cast Iron 6. Handle Material :- M S STEEL 7. Material specification and constructional features similar to Cast Iron Surface Plates. 8. Type:- Round type 9. Top surface offered duly hand-scraped/lapped finish. 10. M.S. Handles provided for lifting and handling for sizes up to 630 x 630 mm. 11. Packaging: Box.	4 Pc	Fitter
12	Drill Gauges	1. Letter drill gauge A to Z Number drill gauge. 2. (No. of hole :26 Nos.). 3. Plate size: Length 125mm, width 50mm, thickness 0.8mm to 1mm. 4. Metric Drill gauge: 1 mm to 13 mm with 25 holes. 5. Material: Stainless Steel.	6 Pc	Fitter

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 Rohit
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13	Cast Iron Globe Valve Flanged Type	1. 150 NB Class 150 Flange Type 2. Manual hand operated with adjustable round shape handle. 3. Working pressure 5 Kg/cm square 4. Body with paint coated 5. Body Material: Cast Iron 6. Stem Material:- Stainless Steel. 7. Manual Hand Operated. 8. Handle Type:- Adjustable Wheel Type.	6 Pc	Fitter
14	C.I. Sluice Gate Valve Flanged Type	1. 150 NB Class 150 Flange Type 2. Manual hand operated with adjustable round shape handle. 3. Working pressure 5 Kg/cm square 4. Body with paint coated 5. Body Material: Cast Iron 6. Stem Material:- Stainless Steel. 7. Manual Hand Operated. 8. Handle Type:- Adjustable Wheel Type.	6 Pc	Fitter
15	Stop Cock	1. Nominal Bore:- 25 mm 2. 2-way 3. Threaded end. 4. Body Material:- Brass with powder coated 5. Handle Material :- Mild steel 6. Working Temperature :- 220 degree centigrade	4 Pc	Fitter
16	Slip-on Forged Steel Flange	1. S.S. slip on flange 150NB Class150. 2. Nominal Bore dia.:- 150 NB. 3. Class:- 150 LBS. 4. Material: Cast Steel 5. Outside diameter :- 225 mm 6. Thickness :- 20 to 22mm 7. Working pressure : 125psi 8. Steam pressure :- 185 psi 9. Flange Face Type:- Flat face. 10. Connection Type:- Flat Face. 11. Surface Treatment:- Cold & Hot dip Galvanized. 12. Holes on flange:- Eight Holes. 13. Uses:- Oil filled water System & Gas filled.	12 Pc	Fitter
17	Lifting Sling	1. Nominal Dia.: 8mm 2. Sling Type :Single sling. typically with eye can be used in vertical choker. 3. Material: Wired Steel. 4. Length :- 2 meter 5. Maximum Load Capacity : 5 Ton	4 Pc	Fitter
18	Bearing Extractor	1. Two-jaw Bearing Puller. easy to operate 2. For pulling bearings in tight spaces 3. Used to tear down ball bearings, gears and so on 4. Reversible claw legs make it suitable for use as an internal or external bearing puller 5. Two jaws evenly distribute powerful pulling forces, protecting edge of gear from bending or chipping damage 6. Material: Carbon Steel 7. Packaging:- Box	2 Pc	Fitter
19	Pulley Extractor	1. Item Jaw Puller 2. Jaw Reach : 3 1/4 in 3. Jaw Spread : 7 in 4. Capacity : 5 ton 5. Number of Jaws : 3 nos. 6. Jaw Style : Reversible 7. Screw Size : 9/16"- 20 8. Screw Length : 6 15/16 in	2 Pc	Fitter

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		<p>9. Puller Length : 4 3/4 in</p> <p>10. Locking : No</p> <p>11. Special Features For Both Inside And Outside Pulling.</p> <p>12. For Use With Spanner Or Adjustable Wrench</p> <p>13. Material : Carbon Steel</p> <p>14. Packaging:- Box</p>		
20	Digital Vernier Caliper	<p>1. Supplied with manufacturer calibration certificate.</p> <p>2. Beam size 0-200 mm long.</p> <p>3. Least Coun:- 0.01 mm, 0.001"</p> <p>4. Display:- Digital Display.</p> <p>5. Operation:- Automatic Power Off.</p> <p>6. With depth bar.</p> <p>7. With Battery (1 no) silver oxide cell</p> <p>8. Battery Capacity:- 1.5 V (Replaceable)</p> <p>9. Material of beam or scale :- Chrome Vanadium Steel</p> <p>10. Packaging :- Box</p>	1 Pc	Fitter
21	Scribing Block Universal	<p>1. Pillar /Spindle Dia. 10 mm.</p> <p>2. Pillar / Spindle Length 300mm. with fully finish grinding</p> <p>3. Material: Tool Steel.</p> <p>4. Base Size: L 65mm x W 55mm x H 20 mm.</p> <p>5. With two dovel pin Dia : 3mm with finish grinding.</p> <p>6. Fine adjustable screw adjusting range up to 15 mm,</p> <p>7. Bent tail scriber dia :3mm to 4mm</p> <p>8. Scriber material : tool steel.</p> <p>9. Packaging :- Box.</p>	2 Pc	Machinist
22	Try Square	<p>1. Blade Size : L 300mm x B 25mm x H with stock 5 mm without stock 8 mm.</p> <p>2. Marking on Blade : metric & british system.</p> <p>3. Material for Blade: Stainless Steel.</p> <p>4. Material for Stock: Cast Iron.</p> <p>5. Stock size: length 200 mm (Min.), width 40 mm (Min.) thickness 20 mm</p> <p>6. Accuracy:- a) Perpendicular tolerance:- 0.025 mm. b) Parallelity tolerance:- 0.075 mm. c) Flatness tolerance:- 0.010 mm, d) Straightness tolerance:- 0.010 mm.</p> <p>7. Shape:- L type.</p> <p>8. Hardness of Blade:- 40-50 HRC.</p> <p>9. Packaging:- Box.</p>	2 Pc	Machinist
23	Centre Gauge	<p>1. 60, 55, 29, 14.5 & 47.5 degree on one piece</p> <p>2. Sheet size:- 1 mm (Min.) Thick</p> <p>3. Material :- Carbon Structural Steel.</p> <p>4. Finish:- Polish.</p>	1 Set	Machinist
24	Reamer Adjustable	<p>1. Size :10 mm to 15 mm by 0.75 mm step. Set of 7 Pcs.</p> <p>2. No. of blade : 4 replaceable blade</p> <p>3. Blade length:- 40 mm</p> <p>4. Overall length:- 150mm</p> <p>5. Head Shape:- Square headed</p> <p>6. Material for blade: High speed steel grade 18-4-1%(Tungsten, Chromium, Vanadium)</p> <p>7. Type:- Hand Reamer</p> <p>8. Material for body and shank-carbon steel</p>	1 Set	Machinist
25	Universal Table angle plate	<p>1. Size:- 150 X 150 mm</p> <p>2. Over all height:- 150mm</p> <p>3. Calibration:- 0 to 90 degree</p> <p>4. Material: Made of high quality seasoned castings.</p> <p>5. Grade:- 2</p> <p>6. Approx. weight -12 to 15 kg</p> <p>7. Size of T - Slot :- 8 mm</p> <p>8. Nos. of T-Slot -4 to 5</p>	1 Pc	Machinist

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		<p>9. Complete with Handle. 10. Finishing and Grinding or Finish milling. 11. Colour:- Grey, Black. 12. Surface Treatment:- Powder Coated. 13. Packaging:- Box.</p>		
26	Base Chuck for Slotter to suit the Machine	<p>1. Holding Capacity-10 to 150 mm dia 2. No. of jaw : 3 jaws 3. Jaw Material: High Carbon Steel. 4. Body Material - Carbon steel 5. Supplied with chuck Key. 6. Complete with Mounting plate with graduation 0 to 360 degree for clamping on slotter machine table. 7. Packaging:- Box.</p>	1 Pc	Machinist
27	Milling Cutter-Concave	<p>1. Outer Dia: 63 mm js 16 (± 0.950) 2. Radius of Concave Shape: 6 mm 3. Bore Dia: 27 mm H7 ($+0.021-0.0$) 4. Material: High Speed Steel-M2. 5. Cutter Thickness: 12mm 6. No of flute - 10 to 12 nos. 7. Hardness:- 63 HRC (Min.). 8. Finishing:- Grinding. 9. Well suited for use in a variety of ferrous and non-ferrous material. 10. Packaging:- Box.</p>	4 Pc	Machinist
28	Milling Cutter-Convex	<p>1. Outer Dia: 80 mm js 16 (± 0.950) 2. Radius of Convex Shape: 6 mm 3. Bore Dia: 27 mm H7 ($+0.021-0.0$) 4. Material: High Speed Steel-M2. 5. Cutter Thickness: 24 mm to 32 mm 6. No of flute - 10 to 12 nos. 7. Hardness:- 63 HRC (Min.). 8. Finishing:- Grinding. 9. Well suited for use in a variety of ferrous and non-ferrous material. 10. Packaging:- Box.</p>	4 Pc	Machinist
29	Milling Cutter-Disc type form	<p>1. Cutter Form :Involute form 2. Pitch : 2 Module 2.5 Module, 3Module (Each one set) 3. Pressure angle : 20 degree 4. No. of cutter : set of 8 Pcs 5. Bore dia : 27 mm 6. Thickness : 6mm 7. Nos.of flutes : 8 Nos. 8. Material: High speed steel M2. 9. Hardness:- 63 HRC (Min.). 10. Finish:- Grinding. 11. Well suited for use in a variety of ferrous and non-ferrous material. 12. Diametral Pitch:- 12.7. 13. Packaging:- Box.</p>	1 Pc	Machinist
30	Digital Vernier Caliper	<p>1. Supplied with manufacturer calibration certificate. 2. Beam size 0 - 300 mm long 3. Least Count:- 0.01 mm, 0.001" 4. Display:- Digital Display. 5. Operating:- Automatic power off. 6. With depth bar. 7. With battery(1 no) silver oxide cell. 8. Battery Capacity :- 1.5 V 9. Material of beam or scale :- Chrome Vanadium Steel 10. Packaging:- Box.</p>	1 Pc	Machinist

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		11. Finish:- Shiny Black oxidized finish. 12. Packaging:- Box.		
37	Milling Cutter-Equal Angle Cutter	1. Outer Dia-100 mm js 16 (± 1.100) 2. Bore dia -27 mm H7 ($+0.021-0.0$) 3. Thickness- 18 mm 4. Cutting edge included angle - 45 degree 5. No of cutting edges - 30 to 34 6. Material: High speed steel - M2. 7. Hardness:- 63 HRC. 8. Finish:- Grinding. 9. Packaging:- Box.	2 Pc	Machinist
38	Milling Cutter-Equal Angle Cutter	1. Outer Dia-100 mm js 16 (± 1.100) 2. Bore dia -27 mm H7 ($+0.021-0.0$) 3. Thickness- 25 mm 4. Cutting edge included angle - 60 degree 5. No of cutting edges - 30 to 34 6. Material: High speed steel - M2. 7. Hardness:- 63 HRC. 8. Finish:- Grinding. 9. Packaging:- Box.	2 Pc	Machinist
39	Milling Cutter-Equal Angle Cutter	1. Outer Dia-100 mm js 16 (± 1.100) 2. Bore dia -27 mm H7 ($+0.021-0.0$) 3. Thickness- 32 mm 4. Cutting edge included angle - 90 degree 5. No of cutting edges - 30 to 34 6. Material: High speed steel - M2. 7. Hardness:- 63 HRC. 8. Finish:- Grinding. 9. Packaging:- Box.	2 Pc	Machinist
40	Milling Cutter- Double Angle Unequal Cutter	1. Outer Dia-50 mm 2. Thickness of cutter:- 32 mm. 3. Width:- 12 mm. 4. Small Angle:- 12 degree. 5. Bore dia -27 mm H7 ($+0.021-0.0$) 6. Cutting edge included angle:- 55 degree 7. No. of cutting edges - 26 to 30 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Finish:- Grinding 11. Packaging:- Box.	2 Pc	Machinist
41	Milling Cutter- Double Angle Unequal Cutter	1. Outer Dia-50 mm 2. Thickness of cutter:- 32 mm. 3. Width:- 18 mm. 4. Small Angle:- 15 degree. 5. Bore dia -27 mm H7 ($+0.021-0.0$) 6. Cutting edge included angle:- 60 degree 7. No. of cutting edges - 26 to 30 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Finish:- Grinding. 11. Packaging:- Box.	2 Pc	Machinist
42	Milling Cutter- Double Angle Unequal Cutter	1. Outer Dia-63 mm 2. Thickness of cutter:- 32 mm. 3. Width:- 18 mm. 4. Small Angle:- 15 degree. 5. Bore dia -27 mm H7 ($+0.021-0.0$) 6. Cutting edge included angle:- 70 degree 7. No. of cutting edges - 26 to 30 8. Material: High speed steel - M2.	2 Pc	Machinist

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		9. Hardness:- 63 HRC. 10. Finish:- Grinding. 11. Packaging:- Box.		
43	Milling Cutter- Parallel Shank end mills	1. Cutter Dia-6 mm 2. Shank dia.:- 6 mm. 3. Flute Length:- 15 mm. 4. Overall Length:- 55 mm. 5. No. of Flute:- 2 6. Type:- Finishing. 7. Flute Helix:- Right Hand. 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Finish:- Grinding. 11. Packaging:- Box.	4 Pc	Machinist
44	Milling Cutter- Parallel Shank end mills	1. Cutter Dia-10 mm 2. Shank dia.:- 10 mm. 3. Flute Length:- 22 mm. 4. Overall Length:- 70 mm. 5. No. of Flute:- 2 6. Type:- Finishing. 7. Flute Helix:- Right Hand. 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Finish:- Grinding. 11. Packaging:- Box.	4 Pc	Machinist
45	Milling Cutter- Parallel Shank end mills	1. Cutter Dia-16 mm 2. Shank dia.:- 16 mm. 3. Flute Length:- 32 mm. 4. Overall Length:- 90 mm. 5. No. of Flute:- 4 6. Type:- Finishing. 7. Flute Helix:- Right Hand. 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Packaging:- Box.	4 Pc	Machinist
46	Milling Cutter- Parallel Shank end mills	1. Cutter Dia-20 mm 2. Shank dia.:- 20 mm. 3. Flute Length:- 38 mm. 4. Overall Length:- 105 mm. 5. No. of Flute:- 4 6. Type:- Finishing. 7. Flute Helix:- Right Hand. 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Packaging:- Box.	4 Pc	Machinist
47	Milling Cutter- Parallel Shank end mills	1. Cutter Dia-25 mm 2. Shank dia.:- 25 mm. 3. Flute Length:- 45 mm. 4. Overall Length:- 110 mm. 5. No. of Flute:- 4 6. Type:- Finishing. 7. Flute Helix:- Right Hand. 8. Material: High speed steel - M2. 9. Hardness:- 63 HRC. 10. Packaging:- Box.	4 Pc	Machinist
48	Milling Cutter- T slot Cutter with Parallel	1. Cutter Dia-22.5 mm 2. Shank dia.:- 10 mm. 3. Neck dia.:- 6.5 mm. 4. Flute Width:- 8 mm.	2 Pc	Machinist

Vinod Singh
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	Shank	5. Overall Length:- 63 mm., Shank Length:- 46 mm 6. No. of cutting edges:- 8 to 12 7. Teeth Type:- Staggerd Teeth (B Type). 8. Rotation Direction:- Right Hand. 9. Material: High speed steel - M2. 10. Hardness:- 63 HRC. 11. Packaging:- Box.		
49	File Smooth	1. Length -200 mm 2. Thickness - 5mm 3. Width - 24.5 mm 4. Nos. of upcut -17 5. Grade -Smooth 6. Material - High Carbon Steel. 7. Supplied with Handle 8. Type :- Flat File 9. Cut :- Double cut	21 Pc	Machinist
50	Bench Vice with Swivel Base	1. Material:- a) Body, Movable Jaw & Base:- Grey cast Iron., b) Jaw Plate:- Tool Steel. c) Screw Spindle (Trapezoidal threads) and Handle:- Mils Steel. d) Spindle Nut:- Phosphor bronze or Grey cast iron (at least 2.5 time the niminal diameter of screw spindle). 2. Vice:- Specification:- a) Length of Jaw/Jaw Plate:- 150 mm. b) Jaw Opening Size:- 190 mm. c) Fixed/Movable jaw height :- 90 mm. d) Thickness of jaw Plate:- 12 mm. e) Width of jaw plate:- 29 mm, f) Spindle Screw dia.:- Tr 30x6. g) Handle Length:- 350 mm. Handle dia.:- 18 mm, Swivel-Base and Body Base hole dia. : 24 mm, 3. Hardness (Jaw Plate):- 45-55 HRC. 4. Anvil Hardness:- 38 HRC.	4 Pc	Machinist
51	Micrometer Depth Gauge	1. Measuring Range - 0 to 200 mm 2. Least Count 0.02 mm 3. Base/stock Size - 101 mm L x 16mm W 4. Material :- Stainless Steel 5. No. of rods: 6 6. Finish:- Hardend & lapped carbide ends 7. Rods dia : 4mm 8. Type : Analog model 9. Supplied with C Spanner. 10. Supplied with constant force ratchet stop. 11. Packaging:- Box.	1 Pc	Machinist
52	Pedestal Grinder	1. Diameter of grinding wheel : 200 mm. 2. Supplied with wheel guard and safety screen (one for rough and another for finish grinding) 3. Motor : 1 HP 3 Phase motor with 2800 rpm (ISI Mark) 4. Windind: copper winding. 5. Height of pedestal : 1100 to 1200 mm 6. Pedestal Material :- G.I. 7. Colour:- Green colour. 8. Equiped with on/ off three phase DOL starter suit to 1 HP motor 9. Installation on site and training/demo to concern.	1 Pc	Machinist
53	Tenon Saw with handle	1. Material:- High Speed Steel. 2. Overall Length :- 425 mm 3. Width of Blade:- 100 mm 4. Total Thickness:- 0.8 mm 5. Blade Length:- 300 mm 6. Teeth per Inch:- 10 to 14 7. Blade Back Material:- Brass 8. Back Dimpension: (LxBXH):- 300x20x2.5 mm	10 Pc	Carpenter

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		9. Saw Handle Material:- Wooden Closed Handle (Rose Wood/Teak Wood) made of Hard Wood 10. Handle Dimensions:- Height - 110 inch, Width - 125 mm & Thickness - 20 mm 11. Blade and Handles are fitted with rivet of material Brass.		
54	Contraction Measuring Scale	1. Material:- Stainless Steel with Satin Chrome Plating. 2. Overall Length :- 620 mm 3. Overall Breadth: - 28 mm 4. Total Thickness:- 0.8 mm 5. Least Count:- 0.5 mm in metric & 1/64 inch in British System. 6. Engraved Markings & Printing with Black ink. 7. Marking Engraved in Metric and British System. 8. Marking upto 600 mm (in Millimeter and Centimeter) at one edge and in inches at other edge upto 24 inch. 9. Surface Roughness:- 0.6 microns Maximum. 10. Hardness:- 30 HRC minimum. 11. Should be Provided with hanging hole.	50 Pc	Carpenter
55	Portable Disk Sander	1. Wheel/Pad Holding Capacity:- 125 mm. 2. Dimension 9LxWxH):- 440x100x130 mm 3. Power Source:- Corded, Corded Length:- 2 mtr. 4. Speed Level: 1 5. Input Voltage: 220 Volt, 50 Hz. 6. Wheel Diameter: 125 mm with Thickness :- 3 mm & Holding Diameter:- 20 mm. 7. Watt:- 1200 Watt. Speed :- 9000 RPM on load. 8. Arbor Size:- 5/8 inch. 9. Should be Provided with side handle. 10. Safety Gaurd should be provided. 11. Shold be available with On/Off Switch. 12. Motor with Copper winding.	1 Pc	Carpenter
56	Templates	1. Material: Semi Transparent acrylic material. 2. High Quality Stencils. 3. Shape: Circle and Ellipse. 4. For 25°, 35°, 45° and 60° Ovals. 5. For designing 38 different sized ellipses. 6. Overall Dimensions:- 266 mm x 146 mm. 7. Ellipse size vary in size up to a maximum of 60° for Ovals. 8. Marked at right angles for precise positioning. 9. Colour: Yellow.	4 Pc	DMC
57	Prismatic Compass	1. Material: Brass or Aluminium circular box with a diameter of 110 mm. 2. Display Type: Analog. 3. High Precision and portable. 4. Needle locking should be provided. 5. Components:- a) Magnetic Needle - graduated to 30 min. b) Graduated ring - Aluminium graduated circle marked with 0° and 360° ring is graduated to half a degree. c) Adjustable Mirror. d) Sliding arrangement for mirror. e) Object vane is a Black thin wire to sight the object. f) Eye vane. g) Glass cover. 6. Magnetic dial should be waterproof and airtight. 7. Provided with Aluminium (Metallic) Tripod (Folding/Straight) Stand in a canvas cover. 8. Provided with slow motion type Prism reader fitted. 9. Prismatic adapter consists of a 45° translucent prism with ice and a strongly convex. 10. Packed in PVC Case.	1 Pc	DMC
58	Leveling Staff	1. Material:- Graduated Wooden or Aluminium rod. 2. Levelling Staff shall be of sturdy design. 3. Dimensions (LxBxH):- 75 x 30 x 5000 mm. 4. Graduation:- Metric 5 mm/10 mm.	1 Pc	DMC

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		<p>5. Graduation colour alternating black and white (10 mm width).</p> <p>6. Numerals every decimetre in black every meter in red.</p> <p>7. Accuracy:- 200µ m/m</p> <p>8. Weight:- 3.75 Kg.</p> <p>9. Powder Coated Finish.</p> <p>10. Should have non-conductive (under dry conditions) telescopic fiberglass leveling rod.</p> <p>11. Should have accurate measuring data.</p>		
59	Gun Spray with gravity feed cup with complete accessories	<p>1. Gun Body Material:- Forged Aluminium.</p> <p>2. Dimensions:- 220x120x30 mm.</p> <p>3. Air Inlet Pressure Bar/Psi - 3 Bar/Psi.</p> <p>4. Trigger Spray Gun - Stainless Steel Buffed.</p> <p>5. Nozzle and Needle Sizes:- 1 to 2 mm.</p> <p>6. Metal Coolar with Dia.: 35 mm with Stainless Steel.</p> <p>Pressure:- Air Consumption: 75 Ltr/min.</p> <p>Atomizing Pressure Air Pessure:- 0.24 Mpa.</p> <p>6. Fluid Output:- 45 mLtr/min.</p> <p>7. Paint Inlet:- 8 mm dia.</p> <p>8. Air Inlet:- 8 mm dia.</p> <p>9. Spray Distance:- 200 mm (Max.).</p> <p>Accessories:- i) Cups:- With Capacity 250 ml, 500ml, 750 ml, 1000 ml.</p> <p>ii) Material of Cup:- Aluminium.</p> <p>iii) Pipe Length: 20 mtr made with hybrid polymer pipe with 6 mm inlet.</p> <p>10. Handle should be built in easy grip shape.</p> <p>11. Trigger Spray Gun:- Stainless Steel Buffed.</p>	2 Pc	Painter
60	Conventional Spray Gun for Pressure feed with complete accessories	<p>1. Gun Body Material:- Forged Aluminium.</p> <p>2. Dimensions:- 220x120x30 mm.</p> <p>3. Air Inlet Pressure Bar/Psi - 3 Bar/45 Psi.</p> <p>4. Trigger Spray Gun - Stainless Steel Buffed.</p> <p>5. Nozzle and Needle Sizes:- 1 to 2 mm.</p> <p>6. Metal Coolar with Dia.: 35 mm with Stainless Steel.</p> <p>7. Air Consumption: 10 Psi.</p> <p>8. Nozzle and Needle Material: Stainless Steel.</p> <p>9. Feed Type: Pressure Feed.</p> <p>10. Fluid Inlet: 8 mm.</p> <p>11. Air Inlet:- 8 mm dia.</p> <p>12. Spray Distance:- 200 mm to 300 mm.</p> <p>13. Metal Collar withg dia.:- 35 mm with Stainless Steel.</p> <p>14. Ergonomic gun Handle Provides a comfortable grip.</p> <p>Accessories:- Hose Pipe - 40 Meter made of hybrid polymer with 8 mm inner dia.</p>	1 Pc	Painter
61	Electric Spray Gun with complete accessories	<p>1. Material:- High Graded Plastic (Acrylonitrile Butadiene Styrene).</p> <p>2. Dimensions:- 260x260x50 mm.</p> <p>3. Power:- 220 Volts, 50 Hz.</p> <p>4. Input Power: 450 Watt.</p> <p>5. Spraying Pressure: 0.1 to 0.2 bar.</p> <p>6. Fluid Flow:- 380 ml/min.</p> <p>7. Container Capacity:- 500 ml.</p> <p>8. Material of Container: - Plastic.</p> <p>9. Nozzle Diameter:- 1.8 mm.</p> <p>10. Power Cord Length: 2 Mtr.</p> <p>11. Winding of Motor must be in Copper Material with 1440 RPM.</p> <p>12. Handle Should be easy gripped.</p>	1 Pc	Painter
62	Pencil Hardness Tester	<p>1. Material:- Heavy Duty milled and anodized aluminium.</p> <p>2. Dimension (with Pencils):- 130x130x50 mm (5x5x2").</p> <p>3. Hardness Scales:- HB, B, H.</p> <p>4. Measuring Angle:- 45 degree.</p> <p>5. Pencil Set: 14 Pcs.</p> <p>6. Grade:- 6B to 6H.</p>	1 Pc	Painter

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		<p>7. Positioning Block Should be Provided.</p> <p>8. Pencil Sharpener should be provided with the package.</p> <p>9. Speed :- 1 mm/sec.</p> <p>10. Should be packed in a well cushioned frame of High graded Plastic Box.</p>		
63	Airless Sprey Gun unit with complete accessories	<p>1. Material:- High Graded Plastic (Acrylonitrile Butadiene Styrene).</p> <p>2. Dimensions:- 260x260x50 mm.</p> <p>3. Power:- 220 Volts, 50 Hz.</p> <p>4. Input Power: 450 Watt.</p> <p>5. Spraying Pressure: 0.1 to 0.2 bar.</p> <p>6. Fluid Flow:- 380 ml/min.</p> <p>7. Container Capacity:- 500 ml.</p> <p>8. Material of Container: - Plastic.</p> <p>9. Nozzle Diameter:- 1.8 mm.</p> <p>10. Power Cord Length: 2 Mtr.</p> <p>11. Winding of Motor must be in Copper Material with 1440 RPM.</p> <p>12. Handle Should be easy gripped.</p>	1 Pc	Painter
64	Spanner Ring set of 12 metric sizes 6 to 32 mm	<p>Spanner Sizes In Set Of 12 Across face (A/F) in MM :- 6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x27,25x28,30x32</p> <p>1. Overall length(L) = From 165 mm to 390 mm (min.) increasing from small to larger sizes.</p> <p>2. Overall Diameter of Jaw (B1 & B2) = From 11 mm to 47 mm (min.) increasing from small to larger sizes</p> <p>3. Total Thickness of Jaw (A) = From 5 mm to 18.5 mm (min.) increasing from small to larger sizes</p> <p>4. Material = High Grade Chrome vandium Steel(Drop forged)</p> <p>5. Nickle chrome plated with plating thickness 3.5 micron (Min.)</p> <p>6. Minimum torque value for 6 MM - 1.8 Kg-m to 32 MM - 90.10 Kg-m increasing size wise</p> <p>7. Across face size should be etched on each and of spanner</p> <p>8. Across face should have flank Bihex</p> <p>9. Hardness: - 35 HRC (Min.)</p> <p>10. All Dimensions are in MM</p>	2 Set	Mechanic Tractor
65	Steel Tool Box with lock & key folding type 400x200x150 mm	<p>Specifications:-</p> <p>1. Material :- Steel Sheet(CRC) Of 20 Gauge</p> <p>2. Overall length = 400 MM (Min.)</p> <p>3. Overall Breadth = 200 MM (Min.)</p> <p>4. Overall Height = 150 MM (Min)</p> <p>5. Provision of padlock in lid</p> <p>6. With Lock & Key</p> <p>7. Folding Type 3 Tray Cantilever box With Handle.</p> <p>8. Corrosion resistant Powder Coated finish</p> <p>9. Handle should be ERW MS pipe of Dia. 12.5 mm X 1 mm thick</p> <p>10. Color may be blue or green</p>	5 Pc	Mechanic Tractor
66	Allen Key set of 12 pieces 2 mm to 14 mm	<p>1. Hardness minimum 55 HRC</p> <p>2. Material :- Chrome Vanedium steel</p> <p>3. Shape :- L- Shape with Hexagonal (cross-section)</p> <p>4. Across face(A/F), Arms lengths (L1, L2) are in mm</p> <p>5. Both arms are at 90° to each other</p>	1 Set	Mechanic Tractor
67	Chaser hand WW 9 to 40 T.P.I. set of 11 internal	<p>Specification</p> <p>1. W/W 9 to 40 TPI set of 11 internal</p> <p>2. Set of 11 Hand Chaser Internal Size: 9TPI, 10TPI, 11TPI, 12TPI, 14TPI, 16TPI, 18TPI, 20TPI, 24TPI, 32TPI, 40TPI</p> <p>3. Material: Tool Steel</p> <p>4. Overall Length: 150mm (approx)</p> <p>5. Tensile Strength 100-300mPA.</p> <p>6. Technique hot rolled & Finish type powder coated.</p>	1 Set	Mechanic Tractor

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		9. Hardness on Tip Should be minimum 55 HRC 10. Blade Tip Magnatised 11. Reference :- Taparia Tools		
72	Screw Driver set of 5 pieces 100 mm to 300 mm	1. Blade Size (Length x Dia) :- 95 x 4 mm (approx.) 2. Blade Tip (Width x Thickness) : 3. Flat Tip Blade (02nos.): 6 x 0.8 mm, 3.5 x 0.5 mm (approx.) 4. Square Pocker (01 no.): 1 x 1 mm (approx.) 5. Philips Head(02nos) : Philips No.-0,1 6. Extension Rod with knurling Collect (Length x Dia) : 95 x 6 mm (approx.) 7. Blade Material : Chromium-Vanadium Steel 8. Handle Features:- 9. Handle With Neon Bulb Functioning 10. Handle material : Cellulose Acetate Transparent (Ribbed Type) 11. Handle Size (Length x Dia) : 85 x 25 mm (approx.) 12. Chuck Mechanism for holding Blades: Collect Type with knurling 13. Packing : In Grade-I Plastic Box.	49 Set	Wireman, Mechanic Tractor & Mechanic Diesel
73	Spanner D.E. set of 12 pieces 6 mm to 32 mm	Spanner Sizes In Set Of 12 Across face (A/F) in MM :- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 1. Overall length(L) =From 95MM To 250MM (min.) increasing from small to larger sizes 2. Overall Diameter of Jaw (D1& D2)=From 14MM To 62.5MM (min.) increasing from small to larger sizes 3. Total Thickness of Jaw (T)= From 3MM To 8.5MM (min.) increasing from small to larger sizes 4. Angle of Jaw=15° 5. Hardness = 42 HRC Minimum 6. Material = High Grade Chrome vandium Steel(Drop forged) 7. Nickle chrome plated with plating thickness 3.5 micron (Min.) 8. Minimum torque value for 6 MM - 0.6 Kg-m to 32 MM - 65.5 Kg-m increasing size wise 9. Across face size should be etched on each and of spanner 10. All Dimensions are in MM	2 Set	Mechanic Tractor
74	Spanner Socket with speed handle T-bar ratchet and universal upto 6mm to 32 mm set of 28 pieces with box	Spanner Sizes In Set Of 12 Across face (A/F) in MM :- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 1. Overall length(L) =From 95MM To 250MM (min.) increasing from small to larger sizes 2. Overall Diameter of Jaw (D1& D2)=From 14MM To 62.5MM (min.) increasing from small to larger sizes 3. Total Thickness of Jaw (T)= From 3MM To 8.5MM (min.) increasing from small to larger sizes 4. Angle of Jaw=15° 5. Hardness = 42 HRC Minimum 6. Material = High Grade Chrome vandium Steel(Drop forged) 7. Nickle chrome plated with plating thickness 3.5 micron (Min.) 8. Minimum torque value for 6 MM - 0.6 Kg-m to 32 MM - 65.5 Kg-m increasing size wise 9. Across face size should be etched on each and of spanner 10. All Dimensions are in MM	11 Set	Mechanic Tractor & Mechanic Diesel

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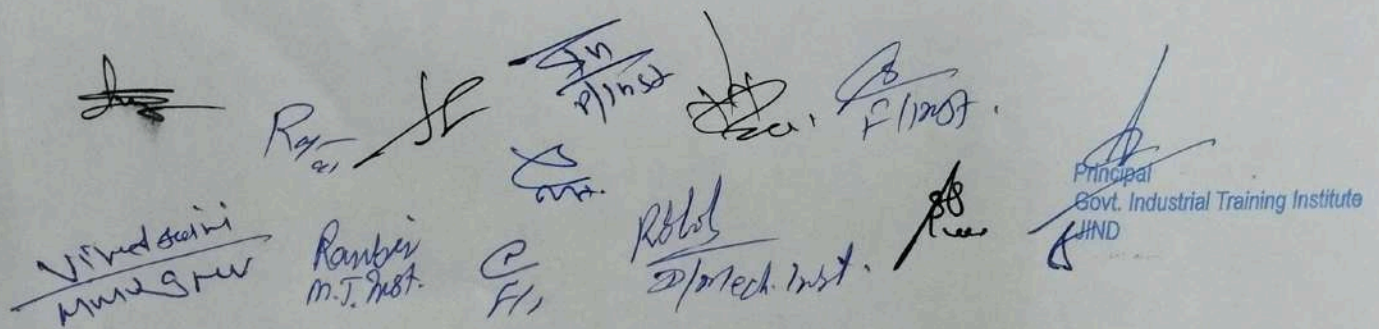
75	Vaccum Gauge to read 0 to 760 mm of Hg	<ol style="list-style-type: none"> 1. Material - Stainless Steel 2. Gauge type - Glycerine filled bordon tube type 3. Display type - Analog 4. Dial size - 100 mm (approx.) 5. Range - -760 mm hg to 0 and - 30 InHg to 0 6. Connection -3/8 inch BSP 7. Accuracy $\pm 1.6\%$ 8. Suitable leak Proof connection to gauge 9. Should be provided with suitable Nipples and hoses to check vacume in different size engines 	2 Pc	Mechanic Tractor
76	Vernier Caliper 0-300 mm with least count 0.02 mm	<ol style="list-style-type: none"> 1. Material - Stainless steel (Hardened) 2. Range - 0 to 300 mm and 0 to 12 inch 3. Resolution - 0.02 mm and 0.001 inch 4. Accuracy - ± 0.03 mm 5. Hardness: Beam-350HV (Min.) Measuring Face-550HV (Min.), Depth Measuring Tip-475HV (Min.) 6. Satin chrome finish on main scale and vernier scale 7. Fine adjustment arrangement provided 8. Thumb lock screw on vernier scale and fine adjust arrangement 9. Precision measurement 10. Flat depth bar provided 11. Can measure inside, outside and depth dimensions 12. Provided with NABL Accredited Lab certificate. 13. Both Inches and milimeters measurement marks engraved clearly 14. Packed in a well cusioned plastic case. With Product Catalog Lock 	5 Pc	Mechanic Tractor
77	Wire Gauge Metric	<ol style="list-style-type: none"> 1. Material - Stainless Steel 2. Thickness: 1.0 mm 3. Hardness: 30 HRC (Min.) (specially hardened) 4. Satin Chrome plated for anti-glare effect. 5. Decimle equivalent of each size should be stamped on reverse side of wire gauge 6. Graduation - In metric system 7. Gauge numbers - 0 to 36 of American standard wire gauge engraved 8. Surface Roughness - 0.6 microns max. 9. Measuring least count: 36 swg (0.19 mm) 10. Accuracy: Within + 0.05 mm 11. Should be supplied in Plastic Casing with proper cushioning 	1 Pc	Mechanic Tractor
78	Caliper Inside With Spring	<ol style="list-style-type: none"> 1. Material of Legs:- High Carbon & Alloy tool steel. 2. Material of leaf spring:- Spring Steel. 3. Fulcrum Roller. Adjusting screw and nut Hardness:- 400 to 500 HV. 4. Measuring Tip Hardness:- 650HV (± 50HV) 5. Nominal Size(I):- 150 mm. 6. Max. Measuring Capacity:- 150 mm. 	10 Pc	Mechanic Diesel

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		<p>7. Leg width at A-A (W):- 9.5 mm (Tapering toward tips).</p> <p>8. Thickness of legs(S) or tip thickness:- 3 mm.</p> <p>9. Leaf spring width(H): 20 mm.</p> <p>10. Dia. of Nominal (d): 7 mm (if legs are of round cross-section).</p> <p>11. Threaded screw with ball end, thumb nut should be provided.</p> <p>12. Length of adjusting screw should suit to maximum opening of legs.</p> <p>13. Chrome plated and corrosion resistant.</p>		
79	Caliper Outside With Spring	<p>1. Material of Legs:- High Carbon & Alloy tool steel.</p> <p>2. Material of leaf spring:- Spring Steel.</p> <p>3. Fulcrum Roller. Adjusting screw and nut Hardness:- 400 to 500 HV.</p> <p>4. Measuring Tip Hardness:- 650HV (± 50HV)</p> <p>5. Nominal Size(I):- 150 mm.</p> <p>6. Max. Measuring Capacity:- 150 mm.</p> <p>7. Leg width at A-A (W):- 9.5 mm (Tapering toward tips).</p> <p>8. Thickness of legs(S) or tip thickness:- 3 mm.</p> <p>9. Width (a): 76 mm (when legs in closed position).</p> <p>10. Leaf spring width(H): 20 mm.</p> <p>11. Dia. of Nominal (d): 7 mm (if legs are of round cross-section).</p> <p>12. Threaded screw with ball end, thumb nut should be provided.</p> <p>13. Length of adjusting screw should suit to maximum opening of legs.</p> <p>14. Chrome plated and corrosion resistant.</p>	10 Pc	Mechanic Diesel
80	Divider With Spring	<p>1. Material of Legs:- High Carbon & Alloy tool steel.</p> <p>2. Material of leaf spring:- Spring Steel.</p> <p>3. Fulcrum Roller. Adjusting screw and nut Hardness:- 400 to 500 HV.</p> <p>4. Measuring Tip Hardness:- 650HV (± 50HV)</p> <p>5. Nominal Size(I):- 150 mm.</p> <p>6. Max. Measuring Capacity:- 150 mm.</p> <p>7. Leg width at A-A (W):- 9.5 mm (Tapering toward tips).</p> <p>8. Thickness of legs(S) or tip thickness:- 3 mm.</p> <p>9. Leaf spring width(H): 20 mm.</p> <p>10. Dia. of Nominal (d): 7 mm (if legs are of round cross-section).</p> <p>11. Threaded screw with ball end, thumb nut should be provided.</p> <p>12. Length of adjusting screw should suit to maximum opening of legs.</p> <p>13. Chrome plated and corrosion resistant.</p>	12 Pc	Mechanic Diesel
81	Hand operated Crimping Tool	<p>1. Material:- Stainless Steel.</p> <p>2. Overall Length:- 250 mm.</p> <p>3. Overall Width:- 75 mm.</p> <p>4. Thickness of Jaws:- 10 mm.</p> <p>5. Insulated Handles with High Quality Plastic Sleeves.</p> <p>6. Precise and sturdy Design.</p> <p>7. Crimping Plier range for insulated pin/rings type lugs:- 0.5 to 10 mm².</p> <p>8. Crimping Plier range for non-insulated lugs:- 0.35 to 5 mm².</p> <p>9. Hexagonal and square type crimping.</p> <p>10. Head Rotation Angle:- 360°.</p> <p>11. After pressing automatically opens.</p> <p>12. Suitable for crimping different size terminals.</p>	2 Pc	Mechanic Diesel
82	Hand Reamer Adjustable	<p>1. Material:- High Speed Steel.</p> <p>2. 10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75 to 14.25 mm and 14.25 to 15.75 mm.</p> <p>3. Each reamer expands to the smallest size of next larger size.</p> <p>4. Size can be adjusted by moving the blades in tapered slots.</p> <p>5. Blades are hardened and ground with high accuracy.</p> <p>6. No. of cutting Blade:- 6.</p> <p>7. Reamer Blade Hardness:- 760-900 HV.</p> <p>8. Shank Hardness:- 240HV.</p> <p>9. Captive nuts located at each end of the blades lock them in a fixed position.</p> <p>10. With Square Head Shank.</p>	2 Pc	Mechanic Diesel

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 Ramdas
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88	Circlip Plier Expanding	<ol style="list-style-type: none"> 1. Material - Handle made of Carbon Steel, Pin jaw made of chromium - vanadium steel. 2. Black and polished, nickle plated and chrome plated. 3. High quality PVC Dipped sleeve handles. 4. Overall length (I1)- 150 mm and 200 mm. 5. Lenth of pin Jaw (I2)- 42 mm and 58 mm (approx). 6. Pin point diameter (x)- 1.5 mm and 2.0 mm (approx). 7. Tip should be precision machined, bent and serrated. 8. Hardness of jaw = 440 ± 60 HV or 44 ± 5 HRC. 9. Plier should be fitted with return spring. 	8 Pc	MMV
89	Welding Helmet Fiber	<ol style="list-style-type: none"> 1. Size Glass Window - 90 x 110 mm. 2. Removable lift open window slide on & off. 3. Glass fitted with screw type fastener. 4. Welding helmet sturdy and light weight. 5. Head type - adjustable ratchet head gear type. 6. Material Superfine fiber. Thickness 4 mm (approx). 7. Strip for head grip. 8. With a thermal black glass for welding shade no. 11. 9. Glass Dimension- 110x85x4 mm (approx.). 	34 Pc	Welder
90	Bastard File 350 mm	<ol style="list-style-type: none"> 1. Body length (L):- 350 mm. 2. Tang Length (TL):- 90 mm. 3. Width (W):- 35 mm. 4. Thickness (T0):- 7.5 mm. 5. No. of Up cut/Inch:- 16.51. 6. Up cut inclination:- 65 degree. 7. No. of Overcut/Inch:- 19. 8. Overcut Inclination:- 45 degree. 9. No. of Edge cut/Inch:- 26. 10. Edge cut Inclination:- 90 degree. 11. Hardness:- 62 HRC. 12. Rake Angle:- -10 degree. 	34 Pc	Welder
91	Hacksaw Frame Fixed 300 mm	<ol style="list-style-type: none"> 1. Frame:- Mild Steel (Fe330 of IS 1570 (Part-I): 1978. 2. Adjustable and Fixed Blade Holder:- Carbon & Manganese Steel (35C4 of IS 1570 (part-2): 1979. 3. Retaining Pin:- T50 of Schedule VI of IS 1570:1961. 4. Wing Nut:- Conform to IS 2636:1972. 5. Handle:- Tough Hardwood. 6. Nominal Size(L):- 300 mm. 7. Frame Width (B) (Min.): - 18 mm. 8. Frame Thickness (A) (Min.): - 5.5 mm. 9. Blade Holder Width (D) (Min.): - 8 mm. 10. Extension Rod Length (E)(Min.): - 65 mm. 11. Frame Height(F)(Min.): - 70 mm. 12. Fixed Blade Holder Length(G)(Min.): - 80 mm. 	34 Pc	Welder



 V. K. Saini
 M. J. Saini
 Ranbir
 M. J. Saini
 P. H.
 R. B. Saini
 D. J. Saini
 Principal
 Govt. Industrial Training Institute
 HIND