



M/s Royal Art Industries

Khasra no. 77/08, Salawas, Luni, Jodhpur - 342013, Rajasthan

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M/s ROYAL ART INDUSTRIES, JODHPUR – Tender Document for Wood and Iron Working Machine

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Note – Sample Forms may be obtained from M/s Royal Art Industries, Khasra no. 77/08, Salawas, Luni, Jodhpur - 342013, Rajasthan during working hours of 10:00 AM to 6:00 PM.



Document Checklist for Bidders



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Checklist for Envelope

S. No.	Document	Details	Compliance (Yes/No)
1.	Letter of Authorization	In the name of Authorized Signatory on Bidder's Letter head authorizing the signatory to sign the bid on behalf of the bidder.	
2.	Form 1	Bid Form	
3.	Form 2	Declaration for Other Key Compliances	
4.	Form 3	Bidder information Form	
5.	Financial Standings	CA Certificate	
6.	Product Catalogue (Optional)	Detailed catalogue of the offered product for each schedule	
7.	Certification by bidder from land border country	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority, as specified in Annexure-C of order F.No.6/18/20I 9-PPD dated 23-July-2020 and bidder must comply with all provisions mentioned in the order. A self-declaration with respect to above order must be submitted.	



Critical Date Sheets



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Wood Working Machines Procuring for M/s Royal Art Industries, Jodhpur

Critical Date Sheets

Bid Reference	Dates
Newspaper Ad Date	23-10-2025
Bidding Document Website Start Date	23-10-2025
Bid Submission Start Date	23-10-2025 10:00 AM
Bid Submission Last Date	13-11-2025 6:00 PM
Bid Results	Will be published on Website

Note: 1 – Bids need to be submitted in sealed envelope at registered address of tender authority Khasra no. 77/08, Salawas, Luni, Jodhpur - 342013, Rajasthan.

Note: 2 – Bids without mandatory documents will be treated as incomplete bids.



Invitation for Bids



M/s ROYAL ART INDUSTRIES, JODHPUR – Tender Document for Wood and Iron Working Machine

Invitation for Bids

Country : India
Unit Purchasing Machines : M/s Royal Art Industries
Nature of Goods : Wood and Iron Working Machines

Sealed Envelope bids are invited for purchase of below mentioned items: -

S. No.	Description of Goods	Quantity
1.	Cutting Machine for cutting up to SNECM-100	1
2.	RCP C-Frame Mechanical Power Press 20 Ton	1
3.	Hydraulic CNC Press Brake RGBEND 31/110	1
4.	CNC Engraving Machine SHUSHA – SM3015 SII	1
5.	Hydraulic Pipe Swaging Machine	1
6.	Fiber Laser Hand Held Welding Machine Model Galaxy 2000	1
7.	Fiber Laser Metal Cutting Machine “Gloria HX - 1530C-CTC-3000R”	1
8.	3 Axis CNC Pipe Bending Machine	1
9.	Heavy Four Bearing Double Side Abrasive Belt	1
10.	Four Bearer Pedistal Polisher	1

1. Bids need to submitted in sealed envelope at registered address of tender authority Khasra no. 77/08, Salawas, Luni, Jodhpur - 342013, Rajasthan.

Conditions: -

1. Conditional bids will not be entertained & are liable to be rejected.
2. The Jurisdiction of court will be Jodhpur, Rajasthan.

Other Information: -

1. The Intended Bidder shall fill in the item rate in Prescribed Form.
2. Bidder must strictly abide by the stipulated set forth in Bidding Document while bidding.
3. Bid Quotations which are dependent upon quotations of other bids shall be summarily rejected.



Section I – Instructions to Bidders



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Instructions to Bidder

A. Introduction		
1. Scope of Bid	1.1	M/s Royal Art Industries invites bids for the Procurement and Installation of Wood Working Machines. Detailed description of goods and specifications attached.
	1.2	Throughout this bidding document, the terms "writing" means an handwritten, typewritten. or printed communication, including e- mail, and "day" means calendar day. Singular also means plural.
2. Source of Funds	2.1	M/s Royal Art Industries will be responsible for payment of tender.
3. Fraud & Corruption	3.1	<p>It is the Government of India policy that Bidders/ Suppliers/ Contractors under the contracts, observe the highest standard of ethics during the procurement and execution of such Contracts. In pursuance of this policy, the Tender Inviting Authority:</p> <p>a defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>i. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution: and</p> <p>ii. "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation:</p> <p>iii. "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, influence improperly the actions of another party;</p> <p>iv. "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party:</p> <p>h will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for. or</p>



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		in executing, the contract.
	3.2	In pursuance of the policy defined in ITB Sub-Clause 3.1. the Tender Inviting Authority will cancel the Contract for Goods if it at any time determines that corrupt or fraudulent practices were engaged during the procurement or the execution of the Contract.
4. Eligibility	4.1	Except as provided in Sub-Clauses 4.2 & 4.3 this bidding process is open to all eligible manufacturers & traders of the goods or their authorized representative.
	4.2	A firm declared ineligible by the Tender Inviting Authority in accordance with 3.1 shall be ineligible to bid for the contract during the period of time determined by the Tender Inviting Authority.
	4.3	All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations.
	4.4	Joint venture is not allowed to participate for the bid.
5. Documents Establishing conformity of Goods and Services to Bidding Documents	5.1	Pursuant to Clause 13, the Bidder shall furnish, as part of its bid, documents establishing, to the Tender Inviting Authority's satisfaction, the eligibility of the Goods and Services to be supplied under the Contract.
	5.2	Eligibility of the Goods and Services shall consist of a statement in the Price Schedule of the country of origin of the Goods and Services offered.
	5.3	<p>The documentary evidence of conformity of the goods and services to the Bidding Documents may be in the form of literature, drawings, and data and shall consist of:</p> <p>a) A detailed description of the essential technical and performance characteristics of the Goods:</p> <p>b) an item-by-item commentary on the Technical Specifications as defined in Bidding Document. demonstrating substantial responsiveness of the Goods and Services to those specifications, including a statement of deviations and exceptions to the provisions of the Technical Specifications:</p>
6. Qualification of the Bidder	6.1	Net Worth of Bidder should not be negative and supporting CA certificate should be submitted.
	6.2	Bidder should have local office or an representative agent in Jodhpur.



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7. Oen Bid per Bidder	7.1	A firm shall submit only one bid in the same bidding process, either individually as a bidder or through an authorized agent. No firm can be a subcontractor while submitting a bid individually or through an authorized agent in the same bidding process. A Subcontractor in any bid may participate in more than one bids, but only in that capacity. A firm that submits a bid individually, and also participates in any capacity in another bid, will cause all the bids in which the firm has participated to be disqualified.
8. Cost of Bidding	8.1	The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Tender Inviting Authority will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
B. The Bidding Document		
9. Content of Bidding Documents	9.1	<p>The Bidding Documents are those stated below and should be read in conjunction with any addendum/ corrigendum issued in accordance with Clause 11.</p> <p>Section 1. Instructions to Bidders (ITB)</p> <p>Section II. General Conditions of Contract (GCC)</p> <p>Section III. Schedule of Requirements</p> <p>Section IV. Technical Specifications</p>
10. Clarification of Bidding Document	10.	<p>A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Tender Inviting Authority in writing by email before bid submission end date and time as mentioned in critical date sheet. The Tender Inviting Authority will respond in writing to any request for clarification received.</p> <p>All the clarifications regarding the procurement process should be sent to contact details on website. Any queries not sent on website email IDs are liable to not be answered.</p>
11. Amendment of Bidding Document	11.1	At any time prior to the deadline for submission of bids, the Tender Inviting Authority may amend the Bidding Documents by issuing Addendum/ Corrigendum.



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	11.2	Any addendum/ corrigendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 9.1 and shall be communicated all purchasers of the Bidding Documents through website and will be binding on them. It will be assumed that the information contained in the amendment will have been taken into account by the Bidder in its bid.
	11.3	To give prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Tender Inviting Authority may extend, at its discretion, the deadline for submission of bids, in which case, the Tender Inviting Authority will notify all Bidders through website.
C. Preparation of Bids		
12. Language of Bid	12.1	The bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Tender Inviting Authority, shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language.
13. Documents Constituting the Bid	13.1	<p>The bid submitted by the Bidder shall comprise the following:</p> <p>Scanned copy of the following Documents duly signed by the authorized signatory and stamped are to be submitted by the bidder. The required additional attachments as mentioned in the Bidding Document also need to be submitted along with the relevant forms of the Bid:</p> <ol style="list-style-type: none"> 1. Letter of Authorization in the name of Authorized Signatory on Bidder's Letter head authorizing the signatory to sign the bid. 2 Form 1: Bid Form 3. Form 2: Declaration for Other Key Compliances 4. Form 3: Bidder information Form 5 Financial Standings CA Certificate 6 Product Catalogue (Optional)



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14. Bid Form	14.1	The Bidder shall complete the Bid Form and the Price Schedule furnished in the Bidding Documents, indicating the Goods to be supplied, a brief description of the Goods, their country of origin, and unit prices. (All details of the price components like GST, duties etc. also need to be indicated)
15. Bid Prices	15.1	<p>The Bidder shall indicate on the Price Schedule, the unit price of each item, it proposes to supply under the Contract. The bidders are allowed the option to submit the bids for any one or more schedules attached.</p> <p>Bidder not willing to participate for any particular schedule may write "0" as the price for the particular schedule. Schedule with price value of "0" will not be considered for purpose of evaluation and bidder will not be considered for supply of the particular schedule.</p>
	15.2	The Bidder should provide unit rates as mentioned in the Schedule.
	15.3	The rate of GST should be shown distinctly in the Price Schedule Form as percentage along with the price quoted. separately. Where this is not done, no claim for GST will be admitted at any later stage on any ground. Similarly. other tax, if any, where legally leviable and intended to be claimed extra should be mentioned under "Other Charges".
	15.4	The prices quoted by the bidder should be on firm and fixed basis during the performance of the contract. A bid submitted with adjustable price quotation will be treated as non-responsive and will be rejected.
	15.5	The bidder's separation of price components in accordance with clause above will be solely for the purpose of facilitating the comparison of bids by the Tender Inviting Authority and will not in any way limit the Tender Inviting Authority's right to contract on any of the terms offered.
	15.6	The Tender Inviting Authority shall not be liable to any claim on account of fresh imposition and/or increase of GST on raw materials and/or components used directly in the manufacture of the contracted stores taking place during the pendency of the contract.
	15.7	Statutory variation in taxes and duties on finished product will be on Tender Inviting Authority's account during currency of contract.



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16. Currencies of Bid		
16.1	Prices shall be quoted in Indian Rupees (INR) only.	
17. Period of Validity of Bids	17.1	Bids shall remain valid for the period of 180 days after the date of bid submission specified in Critical Date Sheet or as per relevant addendum/corrigendum issued. A bid valid for a shorter period may be rejected by the Tender Inviting Authority as non-responsive.
	17.2	In exceptional circumstances, prior to expiry of the original bid validity period, the Tender Inviting Authority may request that the Bidders extend the period of validity of the original bid for a specified additional period. The request and the responses thereto shall be made in writing.
18. Alternative Proposals by Bidders	18.1	Alternative bids shall not be accepted. The bidder should not submit more than one bid for any Schedule.
19. Format and Signing of Bid	19.1	The bid, consisting of the documents listed in Sub-Clause 13.1, shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The later authorization shall be indicated by Letter of Authorization, which pursuant to Sub-Clause 13.1 shall accompany the bid.
	19.2	Any interline actions, erasures, or overwriting to correct errors made by the Bidder should be initialed by the person or persons signing the bid.
D. Submission of Bids		
20. Sealing and Marking of Bids	20.1	The bidders shall submit the bid through Sealed envelope at registered address of Tender Inviting Authority. No other mode of submission is permitted. Telex, Mail, Cable or Facsimile Bids shall be rejected as non-responsive
21. Deadline for submission of Bids	21.1	Bids must be submitted through sealed envelope no later than the time and date specified in critical date sheet.
	21.2	The Tender Inviting Authority may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with Sub-Clause 11 in which case all rights and obligations of the Tender Inviting Authority and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.



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22. Late Bids	22.1	Any bid submitted after the deadline for submission of bids prescribed in the Clause 21 will not be allowed to be submitted by the bidder.2
23. Modification and Withdrawals of Bids	23.1	The Bidder may modify or withdraw its bid after submission prior to the deadline prescribed for submission of bids. Modification of the submitted bid can be done through the withdraw of sealed envelope prior to the deadline prescribed for submission of bids.
	23.2	No Bid may be modified or withdrawn after the deadline for submission of bid.
E. Opening and Evaluation of Bids		
24. Bid Opening	24.1	The Tender Inviting Authority will open all bids in Purchase Committee meeting, in the presence of Bidders' representatives who choose to attend.
	24.2	Bidders shall be informed through website publication.
	24.3	Bids shall be opened physically from sealed envelope. No bid shall be rejected at bid opening.
25. Clarification of Bids	25.1	During evaluation of the bids, the Tender Inviting Authority may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted, except to correct arithmetic errors identified in the evaluation of the bids.
26. Confidentiality	26.1	Information relating to the examination, clarification, evaluation, and comparison of bids, and recommendations for the award of a Contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the notification of Contract award is made communicated to all bidders.
	26.2	Any effort by the bidder to influence the Tender Inviting Authority in the bid evaluation, bid comparison, or contract award decisions may result in the rejection of the Bidder's bid.
	26.3	From the time of bid opening to the time of Contract award. if any Bidder wishes to contact the Tender Inviting Authority on any matter related to its bid, it should do so inwriting.
27. Examination of Bids and	27.1	The Tender Inviting Authority will examine the bids to determine whether they are complete, whether any



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Determination of Responsiveness		computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
	27.2	The Tender Inviting Authority may waive any minor informality, nonconformity, or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
	27.3	Prior to the detailed evaluation, pursuant to Clause 30. the Tender Inviting Authority will determine whether each bid is of acceptable quality, is complete and is substantially responsive to the Bidding Documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviations.
28. Currency of Bid	28.1	Currency of Bid will be INR.
29. Evaluation and Comparison of Bids	29.1	The Tender Inviting Authority will evaluate and compare bids that have been determined to be substantially responsive, pursuant to Clause 27.
	29.2	Evaluation of a bid will take into account the total cost of the item at the consignee's destination inclusive of all duties, taxes and other costs including loading-unloading, installation, commissioning, training etc.
	29.3	The contract shall be awarded only to the lowest evaluated bidder for each schedule who is substantially responsive, offer competitive rates, and meet the qualification requirements stipulated in the bidding documents.
	29.4	Bidder may bid for one or more schedules. Bids will be evaluated for each schedule separately and the contract will comprise the schedule(s) awarded to the successful bidder. Bidders must quote for the entire quantity of the proposed schedule. Bidders who do not quote for full quantity of the proposed schedule will be treated as non-responsive.
	29.5	Deviations in the Delivery Schedule are not permitted.
F. Award of Contract		
30. Pre-Qualification	30.1	The Tender Inviting Authority will determine to its satisfaction whether the Bidder is having submitted the lowest evaluated responsive bid is qualified to perform the Contract satisfactorily, and other



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		examination it deems necessary and appropriate.
	30.2	An affirmative pre-qualification determination will be a prerequisite for award of the contract to the lowest evaluated Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Tender Inviting Authority will proceed to the next lowest evaluated Bidder to make a similar determination of that Bidder's capabilities to perform satisfactorily.
31. Award Criteria	31.1	The Tender Inviting Authority will award the Contract to the Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform Contract satisfactorily.
	31.2	The Tender Inviting Authority reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or Bidders. No reason for such action of Tender Inviting Authority shall be given.
	31.3	The Tender Inviting Authority reserves the right at the time of Contract award to increase or decrease, the quantity of goods and services beyond that originally specified without any change in unit price or other terms and conditions.
32. Publication of Bid Results	32.1	Bid Results will be published on website of the tender inviting authority.
33. Signing of Contract	33.1	Promptly after the Tender Inviting Authority notifies the successful Bidder that its bid has been accepted, the Tender Inviting Authority will send the Bidder the Contract Form as per the format provided in the Bidding Document, incorporating all agreements between the parties.



Section II – General Conditions of Contract



General Conditions of Contract

1. Imports - For Import origin goods quoted, the supplier or the Indian agent shall have to arrange at his own cost, all import/custom clearance handling facilities. The Tender Inviting Authority shall not be liable to any claim on account of fresh imposition and/or increase of Custom Duty/GST raw materials and/or components used directly in the manufacture of the contracted goods taking place during the pendency of the contract.
2. Standards - The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution and the same to be ensured by supplier.
3. Patent Rights - The Supplier shall indemnify the Tender Inviting Authority against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in India.
4. Inspections and Test - The Tender Inviting Authority or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications. Further, a.
 - a. Pre-dispatch inspection of the supplies shall be conducted by Tender Inviting Authority, or its representative for these purposes. The Tender Inviting Authority shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

The related costs of the pre-shipment inspection for the first inspection of goods shall be borne by the bidder. Any goods/ material consumed during tests will be on supplier's account. The cost of subsequent inspections and related costs, due to rejection of Goods at the first inspection shall be borne by the Supplier.

- b. If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the Tender Inviting Authority maximum within 7 days after the notification of the same.
5. Payment – Payment will be released as per mutual agreement between tender inviting authority and supplier.



Section III – Schedule of Requirements



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Schedule of Requirements

S. No.	Description of Goods	Quantity
1.	Cutting Machine for cutting up to SNECM-100	1
2.	RCP C-Frame Mechanical Power Press 20 Ton	1
3.	Hydraulic CNC Press Brake RGBEND 31/110	1
4.	CNC Engraving Machine SHUSHA – SM3015 SII	1
5.	Hydraulic Pipe Swaging Machine	1
6.	Fiber Laser Hand Held Welding Machine Model Galaxy 2000	1
7.	Fiber Laser Metal Cutting Machine “Gloria HX - 1530C-CTC-3000R”	1
8.	3 Axis CNC Pipe Bending Machine	1
9.	Heavy Four Bearing Double Side Abrasive Belt	1
10.	Four Bearer Pedistal Polisher	1



Section IV – Technical Specifications



Technical Specifications

1. Cutting Machine for cutting up to SNECM-100

- Saw position 90° and 45°
- round pipe 100 mm and 80 mm
- square pipe 80 mm X 80 mm and 65 mm X 65 mm
- Rectangular 80 mm x 60 mm and 60 mm x 40 mm
- Power 4.4 kw
- Collent motor 1.5 hp
- Pneumatic input required
- 0.6 Mpa
- Output RPM @ Max Torque - 60/1200 @ 35N-m/ 22 N-m
- Weight of machine 320 kg
- Size 2.2f x 3.4f

2. RCP C-Frame Mechanical Power Press 20 Ton

- Capacity (Tonnage) - 20 TONS
- Crank Shaft Diameter - 75 mm
- Stroke Adjustment - 10-75 mm
- Slide Adjustment - 25 mm
- Hole in Ram - 32 mm
- Hole in Bed - 95 mm
- Bed Size - 510mm X300 mm
- Depth of Throat - 150 mm
- Distance bed to Ram - 350 mm
- Fly Wheel Diameter - 610 mm
- Strokes Per Minute (Single gear) - 60 mm
- Strokes Per Minute (Double gear) - 50 mm
- Motor H.P. - 2 HP
- Floor to Bed - 770 mm
- Length - 900 mm
- Width - 915 mm
- Height - 2080 mm

3. Hydraulic CNC Press Brake RGBEND 31/110

- Bending Force - 110 TONS
- Working Length - 3100 mm
- Distance between uprights - 2550 mm
- Throat Depth - 300 mm



- Day light - 375 mm
- Punch Stroke - 200 mm
- Table Width - 110 mm
- Fast Speed (Max) - 100 mm/Sec.
- Working Speed (Max) - 8 mm/Sec.
- Upstroke Speed (Max) - 80 mm/Sec.
- Main Electric Motor - 7.5 Kw
- Length - 3400 mm
- Width - 1550 mm
- Height - 2600 mm

4. CNC Engraving Machine SHUSHA – SM3015 SII

- Working Table Size(mm) - 3150 x 1600 mm
- Max Engraving Size(mm) - 3000 X 1500 mm
- Vertical Movement(mm) - 330 mm
- Gantry Height(mm) - 430 mm
- No Of head - 2 head
- Max Moving Speed(mm/min) - 30000 mm/min
- Power Transmission - Heavy duty 25x25mm Helical Rack Pinion
25 mm Ball Screw in Z axis
- Memory (MB) - 30 mm LM Guide in X Y Z Axis
- Spindle Power (HP) - 10 HP
- Max Spindle Speed (Rpm) - 24000 rpm
- Cutter Diameter(mm) - 1mm – 16 mm // ER 32
- Z Axis - 1500 W Servo with brake
- X Y Z Servo Motor - 1500 W AC Servo in all Axis
- Gross Weight (kg.) - 1910 Kg

5. Hydraulic Pipe Swaging Machine

- Pipe Size - 25 mm to 80 mm OD
- Pipe Wall Thickness - 1 to 1.6 mm
- Pipe Material - SS/MS/Cu/Al.
- Total Nos. of Hyd. Cylinder - 03 Nos.
- Pipe Clamping Cylinder - 1 No. - Make: Thorson
- Pipe Swagging Cylinder - 1 No. Make: Thorson
- Hydraulic Power Pack - 1 No. - Make: Thorson
- Max Hydraulic Pressure - 150 Bar
- Operating Voltage - 415v, 50Hz, 3ph
- Motor Power - 3 Hp
- Hydraulic Valves - Yuken/ Polyhedron
- Hydraulic Cylinders - Make: Thorson



- Motor - Bharat Bijlee
- Electronic Parts - Schneider
- Control Panel - Schneider

6. Fiber Laser Hand Held Welding Machine Model Galaxy 2000

- Max. Laser Power: 2000 W
- Laser Wave Length: 1080nm±5
- Cooling Systems: Water Cooling
- Control System: HMI
- Sighting Positioning System: Red Light
- Operating Mode: CW/Modulated
- Fiber Termination: QBH - Type Connector (Water cooled)
- Delivery Cable Length: 10 mtrs.(Usable up to 8 mtr.)
- Wire Feeding Attachment: Yes
- Laser Cleaning System: Yes
- Laser Source: Raycus
- Power Consumption: 14 kw
- Power Supply: 220-240V/ 50Hz

7. Fiber Laser Metal Cutting Machine “Gloria HX -1530C-CTC-3000R”

- Working Area- 1500mm x 3000mm
- Laser Output Power - 3000 W
- Laser Type – Raycus
- Laser Wavelength - 1080 nm
- Position Accuracy - $<\pm 0.04$ mm
- Minimum Line Width < 0.12 mm
- Cooling System - Water Cooling
- Cutting Head - Bochum Smart Cutting Head
- Transmission - Z axis with imported ball screw, X-Y axis is imported square rail
- Max. Cutting Speed - 30000 mm/min (Adjustable According to different cutting thickness)
- Working Voltage - 380-415V Three Phase
- Total Power Consumed - 28 KW
- Controller & Software - FS CUT & CYP CUT

8. 3 Axis CNC Pipe Bending Machine

- Pipe OD Max - 114 mm Round Pipe
- Pipe OD Min - 25 mm
- Pipe Wall Thickness - 1.2 to 6 mm
- Pipe Material - MS



- Bending Direction - Clockwise
- Max. Bending Radius - 350 mm
- Mini Bending Radius- 1.5D, Depending upon Pipe OD & Thickness
- Max Bending Angle - 180°
- Bending Speed - 180/6 sec
- Bending Accuracy - 1%
- Linear Movement - 1000 mm/8 Sec
- Pipe Rotating Movement - Servo Motor Base
- Linear Mechanism - Linear Guide, Ball Screw and Servo Motor, Make: Inovance / INVT
- Pipe Bending Mechanism - By Hydraulic Cylinder
- Pipe Clamping and Declamping - Hydraulic Cylinder
- Mandrel Length - 3000 mm
- Auto Lubrication System - Available
- Operating Voltage - 415v, 50Hz, 3 Phase
- Pressure Die - Hydraulic Cylinder
- Mandrel Operation - Hydraulic Cylinder
- Motor Power - 15 Hp
- Hydraulic Valves - Yuken or Polyhydron
- Electronic Parts - Schneider
- Control Panel with PLC - Schneider
- Operating Remote Box with HMI - Schneider 7-inch color touch Screen
- Encoder - Baumer (German)
- Die Sets Combine with (Below 60 mm Pipe Size with Plug Mandrel) - Bending Die, Clamping Die Pressure Die, Rod Mandrel (Plug)
- 8 Degree Angles in single Program - Total 100 Nos. Program can be saved in the System

9. Heavy Four Bearing Double Side Abrasive Belt

- Specifications as per Ancillary Machines in concurrence with specifications of above machines

10. Four Bearer Pedestal Polisher

- Specifications as per Ancillary Machines in concurrence with specifications of above machines