HMT (INTERNATIONAL) LIMITED

A Govt. of India Undertaking

(OPEN TENDER)

BID DOCUMENTS

FOR SUPPLY, INSTALLATION & COMMISSIONING, TRIAL

for

Setting up of "Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.

LOT	ITEM
LOT - 1	Mechatronics and Robotics Equipment
LOT - 2	Mechanical Press 10 Ton Capacity
LOT - 3	Tools for Millwright
LOT - 4	Electrical Appliances
LOT - 5	Furniture – Electrical

TENDER NO: HMTI/PROJ/GMCOS/SA/002/2026 Dated 14.10.2026

CLOSING ON: 04.11.2026, TIME 11.00 HRS

TECHNICAL BID OPENING ON: 04.11.2026, TIME 11.30 HRS

PLACE: HMT(I) Board Room, HMT Bhavan,No.59, Bellary Road, Bangalore.

The Tender fee is nil and the Bidders shall submit Earnest Money Deposit as per Section I Clause 3.2 along with Technical bids in Envelope-I. However, the MSE bidders (OEM / Service provider) registered with NSIC/MSME will be exempted from payment of EMD on submission of Valid Registration Certificate. EMD in the form of Cheque/Bank Guarantee is not allowed**.**

ATTENTION

1. Only sealed Tenders shall be entertained. All joints of envelope should be sealed with wax with individual design stamped on it or with cello tape to ensure it is tamper proof.
2. Do not use window envelope.
3. Technical Bid and Commercial Bid to be put in a separate cover super-scribing Tender Ref. No., Date, Submission date, Lot number and Bidder address on the top of envelope. **In case, the Bidder quotes for more than one lot, offers for each Lot to be submitted separately. Do not combine multiple Lots together.**
4. The Bidder may depute their authorized representative to witness the tender opening for both Technical and Commercial Bids.
5. **For Lots – 1 & 2 if the bidder is not Manufacturer, Bidders must submit Authorization letter from Manufacturer as per Annexure 7 or else their bids will be rejected.**

HMT Bhavan, No.59, Bellary Road, Bangalore 560 032
Tel: 91- 80 - 2333 9060, Fax: 91- 80- 2333 9048
Web Site: www.hmti.com, E-mail: projects@hmti.co.in

INDEX

SECTION I : INVITATION FOR BIDS(IFB)

1. Invitation
2. Contact Information
3. Two Bid System
4. Date of Submission and opening of Technical Bid

SECTION II: INSTRUCTIONS TO BIDDERS (ITB)

1. Definitions and Interpretation
2. Compliance of Requirements
3. Place of Delivery of Supplies
4. Criteria for pre qualification of Bidder
5. Cost of Bid documents
6. Earnest Money / Bid Guarantee
7. Period of Validity of Bids
8. Deadlines for submission of bids
9. Opening and Evaluation of Bids
10. Comparison of Bids
11. Award Criteria
12. HMT(I) right to amend scope of work
13. Corrupt & fraudulent practices
14. Interpretation of the clauses in the tender document
15. General

SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Execution
2. Colour
3. Electricals
4. Delivery period for supplies
5. Inspection and Acceptance
6. Re-Inspection
7. Packing
8. Port of Shipment and Discharge
9. Freight & Insurance
10. Consignee
11. Invoice to
12. Price
13. Payment Terms for supplies
14. Penalty for Delayed Supplies and Services
15. Clearance for Despatch
16. Name & Address of the Shipping Agent
17. Technical Documents
18. Bought Outs
19. Rejection & Risk
20. Performance Bank guarantee
21. International Warranty
22. Erection & Commissioning
23. Arbitration
24. Jurisdiction
25. Force Majeure

SECTION IV: SCHEDULE OF REQUIRMENTS / SCOPE OF SUPPLY (SR)

SECTION V: COMMERCIAL

Annexure – 1 Price Schedule
Annexure – 2 Proforma for statement of deviations from Tender conditions
Annexure – 3 Proforma for Commercial details & previous experience
Annexure – 4 Proforma for Performance Bank Guarantee
Annexure – 5 Proforma for Vendor Registration
Annexure – 6 Quality and Packing details
Annexure – 7 Proforma for Manufacturer Authorization Form

SECTION I: INVITATION FOR BIDS (IFB)

HMT (International) Ltd, [**HMT (I)**] Bangalore invites sealed bids from eligible Indian bidders for supply, installation & commissioning, Trial of following items for the Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa. under the assistance from Government of India as per Schedule of Requirements / Scope of Supplies (SR) - (Section IV)

LOT	ITEM
LOT - 1	Mechatronics and Robotics Equipment
LOT - 2	Mechanical Press 10 Ton Capacity
LOT - 3	Tools for Millwright
LOT - 4	Electrical Appliances
LOT - 5	Furniture – Electrical

1. HMT(I) invites sealed bids from eligible bidders for the Supplies as above with details listed in Section IV.
   For Lots – 1 & 2, if the bidder is not Manufacturer, Bidders must submit Authorization letter from Manufacturer as per Annexure 7 or else their bids will be rejected.

   Bidders shall participate for any number of lots but Part bidding within the lot is not allowed.

   In case, the Bidder quotes for more than one lot, offers for each Lot to be submitted separately. Do not combine multiple Lots together.

2. **Contact information**
   The Deputy General Manager
   HMT (International) Limited,
   59, Bellary Road,
   Bangalore-560032, INDIA
   Tel No.: 080- 23339060
   E-mail: projects@hmti.co.in

3. **Two bid System**
   The two-bid system will be followed. The bidder must submit his offer in two separate sealed envelopes as explained below:

   Envelope I: "Technical bid":

   NO PRICE SHOULD BE INDICATED ANYWHERE IN THE TECHNICAL BID. IN CASE IT IS FOUND THE OFFER SHALL BE SUMMARILY REJECTED.

   The sealed envelope shall be clearly marked **"Part I - Technical bid",** indicating Tender No., Lot Number, Closing Date & Time, and bidder address duly filled (separately for each Lot).
   The envelope-I should be duly sealed on all joints with wax with an individual design stamped in it or tamperproof sealing using cello tape.

   This part shall include / indicate the following:

   1. The Bidder shall provide requisite documentary evidence for pre-qualification criteria as stated below, **failing which, the Bids may result in rejection:**

      - Bidder's Average minimum Turnover / annum for past 3 years (i.e. FY 2022-23, 2023-24 & 2024-25) shall be at least as mentioned below against each Lot.

LOT	Average Turnover in Rs.	Average Turnover in Rs.
LOT - 1	2,80,80,000	Two Crore Eighty Lakh Eighty Thousand
LOT - 2	20,00,000	Twenty Lakh
LOT - 3	10,00,000	Ten Lakh
LOT - 4	5,00,000	Five Lakh
LOT - 5	10,00,000	Ten Lakh

- The Bidder shall quote for all the Lots or any of the lots mentioned under Scope of Supply. However, part bidding within the lots is not allowed.

- Bidder must have minimum 3 years past experience in supply of similar items specified in the Scope of Supply in the last 5 years. Attach Purchase Order copies for each year. If bidder is not Manufacturer, bidder can submit minimum 3 years past experience of supply of similar items of the manufacturer as documentary evidence.
- Bidder should submit satisfactory certificate from at least 2 reputed clients to whom similar nature of supplies has been rendered in the last 5 years. If bidder is not Manufacturer, bidder can submit satisfactory certificate from 2 reputed clients of manufacturer as documentary evidence.

2. *The Bidder shall submit Earnest Money Deposit as indicated below against each lot in the form of Demand Draft / Digital Transfer drawn in favour of HMT (International) Limited payable at Bangalore in separate envelops for each lot in the Technical Bid.*

LOT	EMD in Rs.	EMD in Rs.
LOT - 1	1,87,200	One Lakh Eighty Seven Thousand Two Hundred
LOT - 2	19,928	Nineteen Thousand Nine Hundred Twenty Eight
LOT - 3	9,551	Nine Thousand Five Hundred Fifty One
LOT - 4	1,563	One Thousand Five Hundred Sixty Three
LOT - 5	5,864	Five Thousand Eight Hundred Sixty Four

- In case, the Bidder quotes for more than one lot, *the Earnest Money Deposit* shall be sum of the value given against each lots.
- **However, the MSE bidders (OEM / Service provider) registered bidders registered with NSIC/MSME will be exempted from payment of EMD on submission of Valid Registration Certificate.**
- The Bidder shall quote for all the Lots or any lots mentioned under Scope of Supply. However, part bidding within the lots is not allowed.

3. The bidder must be a manufacturer or dealer or HMTI vendor.
4. Technical bids without EMD will be rejected. **However, the MSE bidders (OEM / Service provider) registered bidders registered with NSIC/MSME will be exempted from payment of EMD on submission of Valid Registration Certificate.**
5. Duly filled Technical bid for each Lot separately with proper seal and signature of the authorized person on each page of the bid submitted.
6. Complete Scope of Supplies with all necessary details and acceptance of commercial terms and conditions.
7. Make / Model for each of the item to be specified and the Catalogues to be enclosed.
8. Bids shall be valid for a minimum period of 90 (ninety) days from the last date of submission.
9. Furnish acceptance for providing Performance Bank Guarantee for 5% of the contract value in the event of tender being awarded.
10. Point-wise details for the services/requirements/details required in the bid documents shall be furnished. If there are any deviations, the same should be clearly specified in Annexure-2 of Section-V.
11. Self attested copy of GST registration certificate as applicable.
12. List of customers both domestic & overseas to whom similar supplies have been provided in the past 5 years in the prescribed format Section-V, Annexure-3.
13. Satisfactory certificate from at least 2 reputed client to whom similar nature of supplies has been rendered.
14. Vendor Registration form – Section – V, Annexure – 5 duly filled {Only for New Vendors of HMT(I)}.
15. Copy of ISO-9000 Certificate, if applicable.
16. Payment Terms. As per clause 13 in Section-III.
17. A copy of "Un-Priced Section – V, Annexure–1" i.e., a copy of the Price Schedule **without the price details**.

In case of vendors opting for Digital transfer of EMD, A/c details of HMT(International) Ltd is as detailed below:

Bank	State Bank Of India,
Account No	33120672518
Branch	Overseas Branch (06861),
Branch Address	Commercial Clients Group,LHO Compound, # 65, St. Mark's Road, Bengaluru - 560001.
IFSC Code	SBIN0006861
Swift code	SBININBB112
MICR Code	560002056

Envelope II: "COMMERCIAL BID":

This sealed envelope shall contain price details. This envelope shall be clearly marked **"Part II - Commercial Bid",** indicating Tender No., Closing Date & Time, Lot Number and bidder address duly filled.

The Envelope – II should be duly sealed on all joints with wax with an individual design stamped on it or tamperproof sealing using cello tape.

- Prices should be offered in **Indian Rupees only**. Should furnish break up of price as required in Section V; Annexure–I. The prices quoted shall be for **F.O.R Nhava Sheva port** and considered firm and not subject to any change.
- All prices & other information like discount etc., having a bearing on the prices shall be written both in figures & words in the prescribed offer form. In the event of difference, the price in words shall be valid and binding. **If any GST is applicable, the same should be indicated separately.**
- The terms of payment for supplies will be as indicated under clause 13 in Section-III – Terms and conditions of the Contract. The bidder must accept the payment terms.
- The bidder should quote their lowest possible price.
- HMT(I) shall award the contract to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated Commercial Bid (L1) on lot wise.

4. **Date of submission of bids and opening of the Technical bid:**

Both the envelopes (Part I & II) Lot-wise shall be put in one cover, duly sealed on all joints with wax with an individual design stamped on it, or put cello tape to ensure it is tamper proof and super scribing Tender No., closing date & time, opening date & time, Lot number and Bidder address.

The envelopes which are not sealed will be rejected straightaway/summarily.

The sealed bids should be dropped in the tender box provided in the HMT(I) office and ensure delivery **on or before 1100 hrs (IST) on the closing date**. Late offers will not be considered.

Last date for submission of bids: 04th November, 2026 up to 11.00 hrs. Technical bids will be opened on 04th November, 2026 at 11.30 hrs in the Board room of HMT(I) office, Bangalore.

END OF SECTION I

SECTION II- INSTRUCTIONS TO BIDDERS (ITB)

1 Definitions and Interpretation

The **"HMT(I)" / "BUYER"** means: HMT(International) Limited, No.59, Bellary Road, Bangalore-560 032.
The **"Supplier"** means any firm/institute/company to whom the contract is awarded.
"SITE" means Majuba TVET College, Majuba West campus, Majuba, South Africa where the supplies are required to be supplied.
"PROJECT" means Setting up of "Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.

2 Compliance of Requirements

2.1 The supplies offered should be in accordance with the stipulated requirements in the "Scope of Supply". The bidder shall indicate his compliance or non-compliance against each of the requirements.

3 **Place of Delivery of supplies:** All supplies are to be delivered to HMT(I)'s shipping agent at Nhava Sheva Mumbai Port as per the instructions given by HMT(I) at the time of dispatch.

4 Criteria for prequalification of Bidder

The Bidder shall satisfy the following prequalification criteria:

The Bidder shall provide satisfactory documentary evidence acceptable to HMT(I) to show that:

4.1 The Bidder's Average minimum Turnover / annum for past 3 years (i.e. FY 2022-23, 2023-24 & 2024-25) shall be at least as mentioned below against each Lot. The Bidders shall furnish documentary evidence such as CA certificate / audited accounts.

LOT	Average Turnover in Rs.	Average Turnover in Rs.
LOT - 1	2,80,80,000	Two Crore Eighty Lakh Eighty Thousand
LOT - 2	20,00,000	Twenty Lakh
LOT - 3	10,00,000	Ten Lakh
LOT - 4	5,00,000	Five Lakh
LOT - 5	10,00,000	Ten Lakh

4.2 Bidder must have minimum **3 years past experience** in supply of similar items specified in the Scope of Supply in the last 5 years. Attach Purchase Order copies for each year. If bidder is not Manufacturer, bidder can submit minimum 3 years past experience of supply of similar items of the manufacturer as documentary evidence.

4.3 Bidder should submit **satisfactory certificate from at least 2 reputed clients** to whom similar nature of supplies has been rendered in the last 5 years. If bidder is not Manufacturer, bidder can submit satisfactory certificate from 2 reputed clients of manufacturer as documentary evidence.

4.4 **Bidder who does not submit the above required information along with documentary evidence at the time of bidding; their bid will be rejected.**

5 Earnest Money Deposit

5.1 Earnest Money Deposit for amount as stipulated below shall accompany Technical bid documents of tender.

LOT	EMD in Rs.	EMD in Rs.
LOT - 1	1,87,200	One Lakh Eighty Seven Thousand Two Hundred
LOT - 2	19,928	Nineteen Thousand Nine Hundred Twenty Eight
LOT - 3	9,551	Nine Thousand Five Hundred Fifty One
LOT - 4	1,563	One Thousand Five Hundred Sixty Three
LOT - 5	5,864	Five Thousand Eight Hundred Sixty Four

The Earnest Money Deposit shall be in a crossed Bank Draft/Digital Transfer in favour of HMT (International) Ltd, Payable at Bangalore.

In case, the Bidder quotes for more than one lot, the copy of the documentary proof shall be kept along with the Technical Bid documents in Envelope –I for each lots separately. However, the MSE bidders (OEM / Service provider) registered bidders registered with NSIC/MSME will be exempted from payment of EMD on submission of Valid Registration Certificate.

For Digital transfer of EMD, A/c details of HMT(International) Ltd is as detailed below:

Bank	State Bank Of India,
Account No	33120672518
Branch	Overseas Branch (06861),
Branch Address	Commercial Clients Group, LHO Compound, # 65, St. Mark's Road, Bengaluru - 560001.
IFSC Code	SBIN0006861
Swift code	SBININBB112
MICR Code	560002056

5.2	The Earnest Money Deposit shall remain deposited with the HMT(I) for the period of 90 (ninety) days from the date of opening of tenders. If the validity of the offer is extended, the EMD shall remain with HMT(I).
5.3	No interest will be payable by the HMT(I) on the Earnest Money Deposit.
5.4	The Earnest Money deposited is liable to be forfeited if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the validity of his offer.
5.5	The Earnest Money Deposit of the successful bidder will be returned **after the P.O. is released on successful Bidder and duly accepted and submission of Performance Guarantee.**
5.6	If the successful Bidder fails to furnish a contract performance guarantee, then the earnest money shall be liable to be forfeited.
5.7	The Earnest Money Deposit of all unsuccessful Bidders will be returned to the bidder by HMT(I) after finalization of contract with the successful bidder. **Bidder to furnish bank account details along with Technical Bid for the same.**
5.8	If Earnest Money for amount as stipulated in clause 5.1 is not enclosed in the Technical documents in Envelope –I, the bid will be rejected.
6	**Period of validity of bids**
6.1	Bids shall be valid for a minimum period of 90 days from the last date of submission.
6.2	HMT(I) may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. A bidder agreeing to the request for extension will not be permitted to modify his bid. The technical clarifications, if any, shall be furnished by Bidder within the said date and time.
7	**Deadlines for submission of bids** Bids must be received by HMT(I) before the due date and time at the address specified in the tender document. In the event of the specified date for the submission of bids being declared as a holiday for HMT(I), the bid-closing deadline will stand extended to the next working day up to the same time.
7.1	HMT(I) may extend this deadline for submission of bids by amending the bid documents and same shall be suitably notified in HMT(I) website: www.hmti.com
7.2	Any bid received by HMT(I) after the deadline for submission of bids, will not be accepted and returned unopened to the bidder.
8	**Opening of Commercial bids by HMT(I)**
9.1	The Technical Bids will be evaluated to shortlist the eligible bidders.
9.2	Bidder whose Technical Bid is found to be acceptable and meeting the eligibility requirements as specified in "Clause 4" will be informed about the date and time of the opening of the Commercial Bid.
9.3	HMT(I) will open Commercial Bids of only the technically accepted and short listed bids, in the presence of the bidder or their authorized representative who choose to attend the bid opening, at the time and date to be informed later.
9.4	The bidder's authorized representative who attends the bid opening shall sign an attendance register as a proof of having attended the bid opening.
9.5	The bidder's name, bid prices, discounts and such other details considered as appropriate by HMT(I), will be announced at the time of opening of the Commercial Bids.
9	**Comparison of Bids** Bids received against the tender will be evaluated by the Technical Evaluation Committee (TEC) for technical suitability and will be shortlisted.
9.1	Short listed Technical bids shall be considered for commercial evaluation and Commercial Bid opening.
10	**Award Criteria**
10.1	HMT(I) shall award the contract to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated Commercial Bid on lot wise.
10.2	Should the amount put in words differs from the amount put in figures, or if there is an arithmetical error, the lesser amount shall be taken unless the difference is attributable to an obvious error, whereupon the correct amount shall be taken.
10.3	If more than one bidders quotes same lowest price, HMT(I) reserves the right to award the contract at its own discretion.

SECTION II- INSTRUCTIONS TO BIDDERS (ITB)	
10.4	HMT(I) reserves the right to increase or decrease the quantum of supplies offered by the successful bidder at the rates & other terms and conditions offered by them. The Bidder is bound to accept the increase or decrease in the quantum of supplies during awarding the contract.
11	**HMT(I)'s Right to amend Scope of Supplies**
11.1	HMT(I) reserves the right to accept or reject any or all bids without assigning any reason whatsoever.
11.2	HMT(I) reserves the right to increase or decrease the scope of supplies indicated in the bid documents after the award of the tender and payment shall be made on pro-rata basis.
11.3	HMT(I) reserves the right to cancel/short close/extend the order at any given point of time due to Force Majeure or directions from the Governments of India or South Africa.
11.4	HMT(I) reserves the right to cancel / short close the order due to non-satisfactory performance by any of the service / supply offered. Cost / damages arising out of such cancellation / short closure shall have to be borne by the bidder
11.5	Buyer shall recall any of the experts deputed to the project site on non-compliance to the rule of the land or guidelines laid down by Govt. of India / Govt. of South Africa / HMT(I) or any act that does not correspond to ethical behavior. Cost / damages arising in such an event shall be borne by the bidder and shall forthwith send suitable replacement.
12	**Corrupt or Fraudulent Practices.**
12.1	HMT(I) requires that the bidders who wish to bid for this project have highest standards of ethics.
12.2	HMT(I) will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
12.3	HMT(I) may declare a vendor ineligible, either indefinitely or for a short period, if HMT(I) is aware that the vendor has engaged in corrupt and fraudulent practice during the execution of the contract.
13	Interpretation of the clauses in the Tender Document / Contract Document In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, HMT(I)'s interpretation of the clauses shall be final and binding on all parties.
14	**General**
14.1	All offers shall be either Computer prints or hand written neatly in indelible ink. Tenders shall be free from CORRECTION AND ERASURES, and Corrections if any, must be attested. Each page of the offer must be numbered consecutively, should bear the tender number and should be signed by the Bidder at the bottom. A reference to the total number of pages comprising offer must be made at the top right hand corner of the first page.
14.2	The Bidders must ensure that the conditions laid down for submission of offers detailed in the preceding paras, are completely and correctly fulfilled.
14.3	The submission of any offer connected with these supplies and documents shall constitute an agreement that the Bidder shall have no cause of action or claim, against HMT(I) for rejecting the offer. HMT(I) shall always be at liberty to reject or accept any offer or offers at its sole discretion.
14.4	Offers shall be deemed to be under consideration immediately after they are opened and until such time the official intimation of award of contract is made by HMT(I) to the Bidder. While the offers are under consideration, Bidders and or their representatives or other interested parties are advised to refrain from contacting HMT(I) by any means. If necessary, HMT(I) will obtain clarifications on the offers by requesting for such information from any or all the Bidders, only in writing. Bidders will not be permitted to change the contents of their offers after the offers have been opened.
14.5	In case OEM and authorized dealers / distributors participate in the same lot, only OEM offer will be considered.
14.6	Any individual(s) signing the tender and related documents should be a competent authorized person or original copy of power of authorization issued by the competent authority should accompany the tender.
14.7	The specifications / standards mentioned in tender are minimum requirement however bidder can quote same or better specifications / standards
14.8	Offers shall be as per the Instructions to Bidders and Terms & Conditions of contract given in bid documents. However the Bidder shall indicate his acceptance or otherwise against each of clause and sub clauses of the Instruction to Bidders and Terms & Condition of contract. For this purpose, the Bidder shall enclose a separate statement as per format Section-V(2) indicating only the deviations from any clause or sub clause of the Instructions to Bidders and Terms & Conditions of contract which Bidder proposes with justification for each deviation. The HMT(I), however reserves the right to accept or reject these deviations and decision there on shall be final and binding.
14.9	Bids shall be complete in all respects accompanied by detailed literature, brochures with all necessary details in ENGLISH or otherwise, the bids will not be considered.
14.10	The bidder should stamp and sign all the pages of Tender document as a proof of acceptance to all the Terms and conditions mentioned in the tender.
	End of SECTION-II

	SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)
1	Execution: Metric System
2	Colour: As specified in the Technical Specifications.
3	Electricals: Main supply: **380/400V, 3 Ph, 50Hz AC or 220/230 V, 1 Ph, 50Hz AC Supply**
4	Delivery period for supplies: F.O.R Nhava Sheva Mumbai Port **within 16 weeks** from the date of purchase order. Delivery is the essence of the Contract. If there is delay penalty as per clause 14 is applicable.
5	Inspection and Acceptance: The supplies will be inspected by HMT(I) as decided by HMT(I). If any of the item is found defective, HMT(I) reserves right to procure the substitute for the defective items from elsewhere at the risk and cost of the supplier and recover from the supplier the extra expenditure, if any incurred by HMT(I). Consignment shall be dispatched only after getting acceptance letter from HMT(I). The supplies will be inspected by HMT(I) by deputing HMT(I)'s quality assurance personnel to the vendor's worksite. At least 2 weeks prior intimation regarding readiness of supplies, in all respects must be furnished to HMT(I) for inspection by HMT(I) Quality Assurance Department or by its authorized representative. All equipment including packing cases must be offered for inspection. HMT(I) reserves right to inspect the items by HMT(I) and customer representative at supplier's works.
6	Re-Inspection: HMT(I) reserves the right to re-inspect the supplies, only in cases where the HMT(I) Inspection Engineers recommend for such cases after completion of modifications suggested during the inspection. All costs towards re-inspection will have to be borne by the vendor.
7	Packing: All Supplies shall be packed in wooden cases (as per international standard) suitable for road transport. Packing cases must have case-wise detailed packing list to be put inside the cases. Also, 3 copies of case wise packing list to be sent to HMT(I) immediately after packing. All loose items to be tagged with Sl. No. as per PO. Packing to be made in the presence of HMT(I) inspection engineers. All the cost towards packing and forwarding will be borne by the supplier. i). All Supplies shall be packed in wooden cases suitable. Fumigation has to be done by the Supplier before dispatch and fumigation certificate is mandatory. ii). Machine / Equipment should be firmly fixed to the base of packing case to prevent jerking or local movement. Machine, accessories and spares are to be covered by thick silpaulin / or 1 mm thick aluminum -polythene sheets and all openings are to be sealed and vacuumised (wherever possible). All external bright/machined surfaces should be protected with coating of OKS-CORTEC VCI 369 N Rust preventive whose shelf life is not less than one year. iii). Packing list with respect to each case to be prepared and given to HMT(I) along with other documents. Delivery Voucher should clearly indicate packing case dimension with net and Gross weight and case number is there are more than one case. iv). Photographs before and after packing to be taken and sent to HMT(I).Handling of packing cases to be shown on cases. v). 3 copies of casewise packing list to be sent to HMT(I) immediately after packing. All loose items to be tagged with Sl. As per PO.
8	Port of Shipment and Discharge: Nhava Sheva Mumbai Port and Durban port, South Africa.
9	Freight & Insurance: Supplier to dispatch the goods on Freight Prepaid – Door Delivery basis to HMT(I) shipping agent at Nhava Sheva Mumbai Port of shipment. Transit insurance to be arranged by supplier. Supplier to inform HMT(I), details like Lorry receipt No., No. of Packing cases, Gross Weight, Net Weight etc., immediately after dispatch from works. HMT(I) shall have the right to hold up the dispatch for want of any clearance from the customer. The consignment shall be shipped through a reputed Transporters in a direct separate truck to reach HMT(I)'s shipping agent without any trans-shipment.
10	Consignee: Consignee will be intimated later
11	Invoice to: HMT (International) Limited, 59, Bellary Road, Bangalore – 560 032, India. GST No. 29AAACH8197C1ZD. A/c. GMCOS, Majuba, South Africa**.**
12	Price: The price shall be F.O.R Nhava Sheva Mumbai Port and considered firm and no escalation will be permitted.
13	**Payment Terms for supplies:** 1. a) 80% payment for supplies shall be payable on 60th day from the date of delivery to our shipping agent at Nhava Sheva Mumbai Port for non-MSME Vendors. b) 80% payment for supplies shall be payable on 45th day from the date of delivery to our shipping agent at Nhava Sheva Mumbai Port for MSME Vendors. 2. Balance 20% payment for supplies shall be paid through RTGS/NEFT after successful Installation and Commissioning / handing over of all the items on physical verification of equipment / material at project site.

14	Penalty for delayed Supply and Services: HMT(I) reserves the right to levy penalty @ 0.5 percent of order value per week of delay beyond the scheduled deliveries / execution of the contract successfully, subject to maximum of 10% of the contract value. HMT(I) reserves the right to cancel the contract in case the delay is more than 20 weeks. The penalties, if any shall be recovered by invoking the Performance Bank Guarantee or withholding the amount out of the payments due.
15	Clearance for Despatch: Equipment shall be dispatched only after getting acceptance letter from HMT(I). Such clearance shall be furnished only after receipt of a certificate from Supplier stating that the snags, if any, pointed out by HMT(I) Engineer/Customer's representative have been duly attended to. HMT(I) shall have the right to hold up the dispatch for want of any clearance from the customer. The consignment shall be shipped through a reputed Transporters in a direct truck to reach HMT(I)'s shipping agent without any transshipment.
16	Name & Address of the Shipping Agent: Will be informed at the time of dispatch clearance by HMT(I).
17	Technical Documents: Supplier to forward the detailed drawings of the all machines / equipment in 3 sets, indicating details about civil work required, Electrical, Pneumatic, Water connection points etc., immediately on receipt of Purchase Order. Instruction / Operating Systems / Spare Parts Manual and other relevant documents pertaining to the Equipment must be in English and should be supplied in (3) three sets as follows : ○ 2 Sets of Manuals along with the machine / equipment ○ 1 set Manual to HMT(I), Bangalore ○ 1 Set of Calibration certificate ○ Two copies of Electrical wiring drawings (along with the machine / equipment) ○ Instructions for commissioning (One copy along with the machine / equipment) and one copy to HMT(I) ○ Final Test & Inspection Report (along with the machine / equipment)
18	Bought Outs: All the bought-out items such as bearings, belts, electricals, motors, contactors, switches etc., shall correspond to ISI / International Specifications and shall be of reputed make like, SKF, FENNER, SIEMENS & TELEMECHANIC etc.
19	Rejection & Risk: If, HMT(I) finds that the materials supplied are not of correct quality or not according to the specifications as indicated in the bid offer, then HMT(I) will be entitled to reject the machine/equipment without any cost obligation on HMT(I).
20	Performance Bank Guarantee (PBG): The successful bidder will be required to furnish Performance Bank Guarantee (PBG) @ 5% of the total Purchase order value, as per the format attached to this document (Refer Section – V; Annexure – 4). This bank guarantee shall remain valid for a period of 60 days beyond all contractual obligations. The PBG to be furnished by the supplier within 15 days from the date of Purchase Order.
21	International Warranty: The supplies shall be guaranteed against defects of material and workmanship for a period of 12 months from the date of commissioning or 15 months from the date of shipment. Until the expiry of the warranty period, the supplier is obliged to do repairs, modifications, setting right and adjustments considered necessary to guarantee the rated output and to replace any part of the machine / equipment found defective and necessitate replacement due to design, manufacture, and material defect during the warranty period at vendors cost at project site in South Africa.
23	Erection & Commissioning (LOTS – 1 & 2): ○ The supplier shall depute the required technical personnel for carrying out installation and providing training to the customer's personnel in operation & maintenance of items in LOTS at project site in South Africa. ○ HMT(I) shall arrange to provide, free furnished bachelor's accommodation, local transport and necessary assistance in getting VISA for the Technical Personnel deputed to site in South Africa. To & fro Airfare, Boarding expenses, Travel Insurance and incidental expenses to be borne by the supplier. ○ The supplier shall depute their personnel within 10 days from the date of intimation of readiness at project site in South Africa. ○ Necessary tools, fixtures, instruments, trail materials, consumables etc., for installation to be sent along with the items. ○ In case the technical personnel extended their period of stay beyond the stipulated/required/agreed time, the additional cost for their extended stay has to be borne by the supplier.
24	Arbitration: All disputes of any kind arising out of supply, acceptance, warranty maintenance etc., shall be referred after issuance of 30 days notice in writing clearly mentioning the nature of dispute to a single arbitrator to be appointed by HMT(I). The venue for arbitration shall be Bangalore.
25	Jurisdiction: The disputes, legal matters, court matters, if any shall be subject to Bangalore jurisdiction only.

26	<u>Force Majeure:</u> HMT(I) may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the Contract is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises. Either party shall be excused from performance of their obligation during or to the extent that performance is prevented by the occurrence of unforeseen causes beyond the control of and without the negligence of the party claiming excuse. Such causes shall include, without limitation, strike, go slow , other concerted acts of workmen, lockout, Act of God, war, fire, explosion, action of elements, flood, epidemic, COVID, riot, sabotage, embargo, blockade, civil disturbance and Governmental restrictions or limitations etc. The party claiming excuse shall give immediate written notice thereof to the other, in any case not later that 15 (fifteen) days, following the occurrence of such event. If performance is held for a continuous period of more than 3 (three) months from the date of first notice, then the parties shall review the situation and agree upon any course of action so as to protect the interest of both.
	End of Section III

SECTION – IV: SCHEDULE OF REQUIREMENTS / SCOPE OF SUPPLIES (SR)

Schedule of Requirements / Scope of Supplies is as detailed below

LOT: 1 - MECHATRONICS AND ROBOTICS EQUIPMENT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**
1	2A/216	PLC trainer kit	PLC Trainer Kit including Static & Dynamic Modules	1
2	2A/217	Digital Sensor Module		1
3	2A/218	Analogue Sensor Module		1
4	2A/219	Dynamic Module	With Sensor Module and Relay Module	1
5	2A/220	Linear Transfer System	Complete workstation mounted on a aluminum profile plate with operating console, consisting of: Belt conveyor, Linear pick & place unit, Horizontal transfer unit, Transfer Module (Rotary Pick & Place Unit), 6 Station Rotary Carousal Table, Drilling module.	1
6	2A/221	Six Axis Robot	Articulated ROBOT - PC Controlled 6 Axis with pedestal base, 2.5 Kgs Payload capacity, Pneumatic Gripper, Robot Controller, Robot Controlling software.	1
7	2A/222	Robot Application Experimental Kit	With experiment table, Pneumatic chuck, Pneumatic vice, Pick & Place- Vertical stacking & Horizontal Palletizing, assembly & dismantling, Gluing experiment kit, Testing bank of push button switches, Painting kit	1
8	2A/223	Integration of robot with automation	4 Axis Assembly Robotic ARM with Pallet & Robot Controller Software, Weighing & Palletizing System With integration of Robot with Complete Workstation Mounted on a Aluminium Profile Plate, Belt Conveyor, Rotary Pick & Place Manipulator, Weighing Module and PLC	1
FOR DETAILS REFER ENCLOSURE – 1				

LOT: 2 – MECHANICAL PRESS 10 TON CAPACITY

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**
1	1/95	Mechanical Press	10T	1
FOR DETAILS REFER ENCLOSURE – 1				

LOT: 3 - TOOLS FOR MILLWRIGHT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**
1	2A/133	Set spanners combination 6 – 24mm	6-24mm combination set round to open mouth	3
2	2A/134	Set socket and spanners 10 – 32mm	10-32mm 1/2'	3
3	2A/135	Set Of Allen Keys	metric and imperial 100mm long	3
4	2A/136	Ball pin hammer 200g	200g flat and round head	4
5	2A/137	Ball pin hammer 500g	500g flat and round head	4
6	2A/138	Prick punch	100mm long	8
7	2A/139	Cold chisel 20mm X 200mm	20mm with X 200mm long	8
8	2A/140	Screw driver set 18 piece	9 flat and 9 Philips with insolated handles	8
9	2A/141	Square 150 mm	150mm	8
10	2A/142	V-blocks	1-5/8'' x 1-1/4'' x 1-1/4''	8
11	2A/143	Tin snips	Combination set	8
12	2A/147	File Bastard 300mm with handle	300mm long flat with handle	8
13	2A/148	File second cut 300mm with handle	300mm long flat with handle	8
14	2A/149	File Smooth 300mm with handle	300mm long flat with handle	8
15	2A/150	File Round 300mm with handle	300mm long round with handle	8
16	2A/144	File Half round 300 mm with handle	300mm long half round with handle	8
17	2A/145	File Three-square 300 mm with handle	300mm long Three-square with handle	8
18	2A/146	File Square 300 mm with handle	300mm long square with handle	8
19	2A/151	File Flat 150 mm with handle	150mm long flat with handle	8
20	2A/152	Tap handle 150 mm	150 mm long 4-13mm tap size	8
21	2A/154	Hack saw	300 mm long	8
22	2A/155	Magnifying glass	90mm Diameter Lens	2
23	2A/156	Hand grinding machine	115mm 4 – 1/2 inch 1010W 115mm disk	2
24	2A/157	Hand baby grinder	670w 115mm disk	2
25	2A/158	File Brush	230mm long	5
26	2A/159	Paint Brush 25mm	25mm wide	5
27	2A/160	Steel Ruler 300mm	300mm long accuracy 0.5mm	8
28	2A/161	Radius Gauges	15mm-25mm radius gauge	2
29	2A/181	Protractor (Engineer)	180° steel	8
30	2A/162	Torque wrench	65-335Nm torque wrench	2
31	2A/163	C-spanner	C-spanner set C1-6	2
32	2A/41	Bearing puller	3 leg 12" dia	2

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**
33	2A/164	Copper hammer	25MM flat end	8
34	2A/165	Number stamps 4mm	4mm thick	2
35	2A/166	Letter stamps 4mm	4mm thick	2
36	2A/167	Wheel dresser		1
37	2A/178	Belt tension gauge	Belt tension gauge kgf and mm	3
38	2A/180	Straight edge	1meter x 3 mm thick	8
39	2A/182	Marking off table or surface plate with angle plate		1
40	2A/194	Marking Pens		16
41	2A/195	Marking blue	350ml marking blue spary	10
42	2A/196	Tapping paste	500g tub	10
43	2A/177	Combination Square set		3
FOR DETAILS REFER ENCLOSURE – 1				

LOT: 4 - ELECTRICAL APPLIANCES

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**
1.	2A/28	Ceiling Fan	AC 230 V, 1200 mm	1
2.	2A/90	Electric Hot plate	1500W, 230V	1
3.	2A/91	Electrical Kettle	1000 watts, 230V	1
4.	2A/92	Electric Iron box	1200 watts, 230 V with temperature control	1
5.	2A/93	Immersion heater	1000W,230V	1
6.	2A/94	Geyser	25 litre – 240 V (Storage type)	1
7.	2A/95	Induction stove		1
8.	2A /96	Microwave Oven		1
9.	2A/97	Electric Cooker	1000W,230V	1
10.	2A/115	Domestic water pump with starter	1 HP	1
11.	2A/116	Electric Toaster	250 W Heating Element & Heating adjustment, 230 V	1
12.	2A/118	Wall Fan	18" sweep dia	1
FOR DETAILS REFER ENCLOSURE – 1				

LOT: 5 – FURNITURE – ELECTRICAL

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**
1	2A/113	Booths for domestic wiring		2
FOR DETAILS REFER ENCLOSURE – 1				

End of Section IV

PRICE SCHEDULE

LOT: 1 - MECHATRONICS AND ROBOTICS EQUIPMENT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
1	2A/216	PLC trainer kit	PLC Trainer Kit including Static & Dynamic Modules	1		
2	2A/217	Digital Sensor Module		1		
3	2A/218	Analogue Sensor Module		1		
4	2A/219	Dynamic Module	With Sensor Module and Relay Module	1		
5	2A/220	Linear Transfer System	Complete workstation mounted on a aluminum profile plate with operating console, consisting of: Belt conveyor, Linear pick & place unit, Horizontal transfer unit, Transfer Module (Rotary Pick & Place Unit), 6 Station Rotary Carousal Table, Drilling module.	1		
6	2A/221	Six Axis Robot	Articulated ROBOT - PC Controlled 6 Axis with pedestal base, 2.5 Kgs Payload capacity, Pneumatic Gripper, Robot Controller, Robot Controlling software.	1		
7	2A/222	Robot Application Experimental Kit	With experiment table, Pneumatic chuck, Pneumatic vice, Pick & Place- Vertical stacking & Horizontal Palletizing, assembly & dismantling, Gluing experiment kit, Testing bank of push button switches, Painting kit	1		
8	2A/223	Integration of robot with automation	4 Axis Assembly Robotic ARM with Pallet & Robot Controller Software,	1		

			Weighing & Palletizing System With integration of Robot with Complete Workstation Mounted on a Aluminium Profile Plate, Belt Conveyor, Rotary Pick & Place Manipulator, Weighing Module and PLC			
A	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees with seaworthy packing**					
B	**0.1% GST applicable on (A)**					
C	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees i.e. (C) = (A) + (B)**					
The above Cost shall include E&C and initial training of customer's personnel in operation and maintenance for above equipment at project site in South Africa. (HMT(I) shall arrange to provide, free furnished bachelor's accommodation, local transport and necessary assistance in getting VISA for the Technical Personnel deputed to site in South Africa. To & fro Airfare, Boarding expenses, Travel Insurance and incidental expenses to be borne by the supplier).						
*** Total cost of equipment including E & C in Indian Rupees (in words):**						

***Total should include the cost towards the following:**

a. Deputation of technical personnel for carrying out installation, commissioning, trials, training the customer's personnel in operation and maintenance of above equipment at project site in South Africa.
b. Necessary tools, fixtures, instruments, trial materials, consumables, etc, for Installation and training have to be sent along with the supplies.

Please indicate the man days considered for deputation on the format given below

Sl No.	No. of Persons required for E&C of this equipment	Total No. of Man days required

It is hereby certified that we have understood the instruction to Bidders and also the Terms & Conditions of Contract attached to the tender and have thoroughly examined and are aware of the nature of supplies/services required and our offer is to render supplies/services strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the terms & conditions of contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

We hereby offer to render supplies/ services as detailed above or such portion thereof as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 90 days from the date of opening of tender. We shall be bound by the communication of acceptance dispatched within the prescribed time.

We possess the necessary License from the Government of India/State Government for rendering the supplies / services.

Dated:……..

Signature and seal of Authorized Signatory

NOTE

1. The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
2. No erasures or alternations in the text of the offer are permitted.
3. Any correction made in offer shall be initialed by the Bidder.
4. VALUES should be both in figures and Words.

The prices quoted should be most competitive.

LOT: 2 – MECHANICAL PRESS 10 TON CAPACITY

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
1	1/95	Mechanical Press	10T	1		
A	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees with seaworthy packing**					
B	**0.1% GST applicable on (A)**					
C	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees i.e. (C) = (A) + (B)**					
The above Cost shall include E&C and initial training of customer's personnel in operation and maintenance for above equipment at project site in South Africa. (HMT(I) shall arrange to provide, free furnished bachelor's accommodation, local transport and necessary assistance in getting VISA for the Technical Personnel deputed to site in South Africa. To & fro Airfare, Boarding expenses, Travel Insurance and incidental expenses to be borne by the supplier).						
Total cost of equipment in Indian Rupees (in words):						

***Total should include the cost towards the following:**

a. Deputation of technical personnel for carrying out installation, commissioning, trials, training the customer's personnel in operation and maintenance of above equipment at project site in South Africa.
b. Necessary tools, fixtures, instruments, trial materials, consumables, etc, for Installation and training have to be sent along with the supplies.

Please indicate the man days considered for deputation on the format given below

Sl No.	No. of Persons required for E&C of this equipment	Total No. of Man days required

It is hereby certified that we have understood the instruction to Bidders and also the Terms & Conditions of Contract attached to the tender and have thoroughly examined and are aware of the nature of supplies/services required and our offer is to render supplies/services strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the terms & conditions of contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

We hereby offer to render supplies/ services as detailed above or such portion thereof as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 90 days from the date of opening of tender. We shall be bound by the communication of acceptance dispatched within the prescribed time.

We possess the necessary License from the Government of India/State Government for rendering the supplies / services.

Dated:……..

Signature and seal of Authorized Signatory

NOTE

1. The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
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3. Any correction made in offer shall be initialed by the Bidder.
4. VALUES should be both in figures and Words.

The prices quoted should be most competitive.

LOT: 3 - TOOLS FOR MILLWRIGHT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**ITEM**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
1	2A/133	Set spanners combination 6 – 24mm	6-24mm combination set round to open mouth	3		
2	2A/134	Set socket and spanners 10 – 32mm	10-32mm 1/2'	3		
3	2A/135	Set Of Allen Keys	metric and imperial 100mm long	3		
4	2A/136	Ball pin hammer 200g	200g flat and round head	4		
5	2A/137	Ball pin hammer 500g	500g flat and round head	4		
6	2A/138	Prick punch	100mm long	8		
7	2A/139	Cold chisel 20mm X 200mm	20mm with X 200mm long	8		
8	2A/140	Screw driver set 18 piece	9 flat and 9 Philips with insolated handles	8		
9	2A/141	Square 150 mm	150mm	8		
10	2A/142	V-blocks	1-5/8'' x 1-1/4'' x 1-1/4''	8		
11	2A/143	Tin snips	Combination set	8		
12	2A/147	File Bastard 300mm with handle	300mm long flat with handle	8		
13	2A/148	File second cut 300mm with handle	300mm long flat with handle	8		
14	2A/149	File Smooth 300mm with handle	300mm long flat with handle	8		
15	2A/150	File Round 300mm with handle	300mm long round with handle	8		
16	2A/144	File Half round 300 mm with handle	300mm long half round with handle	8		
17	2A/145	File Three-square 300 mm with handle	300mm long Three-square with handle	8		
18	2A/146	File Square 300 mm with handle	300mm long square with handle	8		

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**ITEM**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
19	2A/151	File Flat 150 mm with handle	150mm long flat with handle	8		
20	2A/152	Tap handle 150 mm	150 mm long 4-13mm tap size	8		
21	2A/154	Hack saw	300 mm long	8		
22	2A/155	Magnifying glass	90mm Diameter Lens	2		
23	2A/156	Hand grinding machine	115mm 4 – 1/2 inch 1010W 115mm disk	2		
24	2A/157	Hand baby grinder	670w 115mm disk	2		
25	2A/158	File Brush	230mm long	5		
26	2A/159	Paint Brush 25mm	25mm wide	5		
27	2A/160	Steel Ruler 300mm	300mm long accuracy 0.5mm	8		
28	2A/161	Radius Gauges	15mm-25mm radius gauge	2		
29	2A/181	Protractor (Engineer)	180° steel	8		
30	2A/162	Torque wrench	65-335Nm torque wrench	2		
31	2A/163	C-spanner	C-spanner set C1-6	2		
32	2A/41	Bearing puller	3 leg 12" dia	2		
33	2A/164	Copper hammer	25MM flat end	8		
34	2A/165	Number stamps 4mm	4mm thick	2		
35	2A/166	Letter stamps 4mm	4mm thick	2		
36	2A/167	Wheel dresser		1		
37	2A/178	Belt tension gauge	Belt tension gauge kgf and mm	3		
38	2A/180	Straight edge	1meter x 3 mm thick	8		
39	2A/182	Marking off table or surface plate with angle plate		1		
40	2A/194	Marking Pens		16		
41	2A/195	Marking blue	350ml marking blue spary	10		
42	2A/196	Tapping paste	500g tub	10		
43	2A/177	Combination Square set		3		
A	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees with seaworthy packing**					
B	**0.1% GST applicable on (A)**					
C	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees i.e. (C) = (A) + (B)**					

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**ITEM**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
Total cost of equipment in Indian Rupees (in words):						

It is hereby certified that we have understood the instruction to Bidders and also the Terms & Conditions of Contract attached to the tender and have thoroughly examined and are aware of the nature of supplies/services required and our offer is to render supplies/services strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the terms & conditions of contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

We hereby offer to render supplies/ services as detailed above or such portion thereof as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 90 days from the date of opening of tender. We shall be bound by the communication of acceptance dispatched within the prescribed time.

We possess the necessary License from the Government of India/State Government for rendering the supplies / services.

Dated:……..

Signature and seal of Authorized Signatory

NOTE

1. The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
2. No erasures or alternations in the text of the offer are permitted.
3. Any correction made in offer shall be initialed by the Bidder.
4. VALUES should be both in figures and Words.

The prices quoted should be most competitive.

LOT: 4 - ELECTRICAL APPLIANCES

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**ITEM**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
1.	2A/28	Ceiling Fan	AC 230 V, 1200 mm	1		
2.	2A/90	Electric Hot plate	1500W, 230V	1		
3.	2A/91	Electrical Kettle	1000 watts, 230V	1		
4.	2A/92	Electric Iron box	1200 watts, 230 V with temperature control	1		
5.	2A/93	Immersion heater	1000W,230V	1		
6.	2A/94	Geyser	25 litre – 240 V (Storage type)	1		
7.	2A/95	Induction stove		1		
8.	2A /96	Microwave Oven		1		
9.	2A/97	Electric Cooker	1000W,230V	1		
10.	2A/115	Domestic water pump with starter	1 HP	1		
11.	2A/116	Electric Toaster	250 W Heating Element & Heating adjustment, 230 V	1		
12.	2A/118	Wall Fan	18" sweep dia	1		
A	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees with seaworthy packing**					
B	**0.1% GST applicable on (A)**					
C	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees i.e. (C) = (A) + (B)**					
Total cost of equipment in Indian Rupees (in words):						

It is hereby certified that we have understood the instruction to Bidders and also the Terms & Conditions of Contract attached to the tender and have thoroughly examined and are aware of the nature of supplies/services required and our offer is to render supplies/services strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the terms & conditions of contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

We hereby offer to render supplies/ services as detailed above or such portion thereof as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 90 days from the date of opening of tender. We shall be bound by the communication of acceptance dispatched within the prescribed time.

We possess the necessary License from the Government of India/State Government for rendering the supplies / services.

Dated:……..

Signature and seal of Authorized Signatory

NOTE

1. The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
2. No erasures or alternations in the text of the offer are permitted.
3. Any correction made in offer shall be initialed by the Bidder.
4. VALUES should be both in figures and Words.

The prices quoted should be most competitive.

LOT: 5 - FURNITURE - ELECTRICAL

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.						
Sl. No	**Ref: Enclosure**	**ITEM**	**Brief Specification**	**Qty**	**Unit F.O.R. Nhava Sheva Port Price in Ind. Rs**	**Total F.O.R. Nhava Sheva Port Price in Ind. Rs.**
1	2A/113	Booths for domestic wiring		2		
A	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees with seaworthy packing**					
B	**0.1% GST applicable on (A)**					
C	**Total F.O.R Nhava Sheva Mumbai Port Price in Indian Rupees i.e. (C) = (A) + (B)**					
Total cost of equipment in Indian Rupees (in words):						

It is hereby certified that we have understood the instruction to Bidders and also the Terms & Conditions of Contract attached to the tender and have thoroughly examined and are aware of the nature of supplies/services required and our offer is to render supplies/services strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the terms & conditions of contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

We hereby offer to render supplies/ services as detailed above or such portion thereof as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 90 days from the date of opening of tender. We shall be bound by the communication of acceptance dispatched within the prescribed time.

We possess the necessary License from the Government of India/State Government for rendering the supplies / services.

Dated:……..

Signature and seal of Authorized Signatory

NOTE

1. The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
2. No erasures or alternations in the text of the offer are permitted.
3. Any correction made in offer shall be initialed by the Bidder.
4. VALUES should be both in figures and Words.

The prices quoted should be most competitive.

End of Section V

Annexure – 2

PROFORMA FOR STATEMENT OF DEVIATIONS FROM TENDER CONDITIONS

The following are the particulars of deviations from the requirements of the Instructions to Bidders and Terms & Conditions of contract (To be enclosed for each lot separately): -

CLAUSE	DEVIATION	REMARKS (Including justification)

.....
Signature and seal of
the Authorized Signatory

NOTE: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

Annexure – 3

PROFORMA FOR COMMERCIAL DETAILS & PREVIOUS EXPERIENCE

(i) Is the firm registered with Govt. Authority/ Agency or MNC? If so, a copy of the registration certificate should be enclosed.

(ii) Name and address of the Banker

Details of major orders for the quoted supplies/services executed during the past five years should be furnished in the following format.

Sl. #	Full Address of Customer	Order No. and Date	Description of Supplies / Services	Qty.	Contract Value in Rs.	Remarks
1	2	3	4	5	6	7

Signature:……..
Name:……..
Designation:……

NOTE: A certificate from the customer should preferably be enclosed to indicate that the contract was satisfactorily performed.
To be enclosed for each lot separately.

Annexure – 4

PROFORMA FOR PERFORMANCE BANK GUARANTEE

THE DEPUTY GENERAL MANAGER
HMT (INTERNATIONAL) LTD.
HMT BHAVAN
59 BELLARY ROAD
BANGALORE – 560 032

DEAR SIR,

THIS DEED OF GUARANTEE EXECUTED BY …… BANK, (NAME AND ADDRESS OF THE BANK) (HEREINAFTER REFERRED TO AS BANK) IN FAVOUR OF HMT (INTERNATIONAL) LTD. (HEREINAFTER REFERRED TO BENEFICIARY) NOT EXCEEDING RS……. (RUPEES ……. ONLY) AT THE REQUEST OF M/S. …… (HEREINAFTER REFERRED TO AS SUPPLIER).

WHEREAS THE SUPPLIER HAS APPROACHED BANK TO ISSUE BANK GUARANTEE IN YOUR FAVOUR FOR A SUM OF RS. ……. (RUPEES …….. ONLY). WHEREAS THE SUPPLIER HAS RECEIVED PURCHASE ORDER NO. ……. DATED …… FOR RS …….. FOR PROVIDING SERVICES AS STATED IN THE PURCHASE ORDER. WHEREAS THE SUPPLIER HAS TO SUBMIT PERFORMANCE GUARANTEE FOR FIVE PERCENT OF THE VALUE OF SUPPLIES PORTION OF RS……AS STATED IN THE SAID PURCHASE ORDER.

WE HEREBY CONFIRM AND STATE THAT WE AS GUARANTORS SHALL BE RESPONSIBLE TO YOU ON BEHALF OF THE "SUPPLIER" FOR A TOTAL SUM OF RS…… (RUPEES …… ONLY) IN CASE OF VIOLATION OF ANY OF THE TERMS/CONDITIONS OF THE SAID PURCHASE ORDER.

WE UNDERTAKE TO PAY YOU UPON FIRST WRITTEN DEMAND DECLARING THE "SUPPLIER" TO BE IN VIOLATION/BREACH OR CONTRAVENTION OF ANY OF THE TERMS AND CONDITIONS, WITHOUT DEMUR OR ARGUMENT OR COURT ORDER OR RESOLUTION WITHIN THE VALIDITY OF THIS GUARANTEE, A SUM OF RS…… (RUPEES …….. ONLY) AS AFOREMENTIONED WITHOUT YOUR HAVING TO PROVE TO US OR TO SHOW GROUNDS OR REASONS FOR YOUR DEMAND FOR THE SUM SPECIFIED HEREIN.

THE GUARANTEE CONTAINED HEREIN SHALL NOT BE AFFECTED BY ANY CHANGES IN THE CONSTITUTION OF THE BANK OR IN THE CONSTITUTION OF THE BENEFICIARY VIZ. YOURSELF AND SHALL BE VALID TILL (DATE) FROM THE DATE OF ISSUE PROVIDED HOWEVER THAT IN CASE DEMAND IS NOT MADE BY YOU UNDER THIS GUARANTEE ON OR BEFORE (DATE) , BANK SHALL BE FULLY ABSOLVED FROM ANY LIABILITY UNDER THIS GUARANTEE DEED.

WE HEREBY DECLARE AND STATE THAT THIS GUARANTEE UNLESS INVOKED BY YOU AS AFORESAID SHALL BE VALID TILL (DATE) FROM THE DATE OF ISSUE AND SHALL BE NULL AND VOID THEREAFTER WHETHER THE ORIGINAL GUARANTEE IS RETURNED OR NOT

			Annexure - 5
	PROFORMA FOR VENDOR REGISTRATION		
	S.N.	Description	Details
		(a) Name and address of the vendor	
		(b) Please specify whether you are : Manufacturing Unit / Distributor / Agent etc.,	
	1	(c) Telephone No.	
		(d) Fax No.	
		(e) Email ID	
		(f) Company Profile (Please enclose)	
		(g) Turnover of the Company for the past three years	
		(h) Bankers Details	
	2	Quality system implemented - ISO 9000 / QS 2000 etc.	
	3	Name, address & Telephone No. of the owner / proprietor/partners	
	4	Sales Tax Registration No. - Central & State	
	6	Registration No.	
	7	Details of Products Manufactured / Distributed / offered. Please enclose brochure.	
	8	Details of Manufacturing Units / Workshops etc., available	
	9	Details of Machines, equipment, computers available	
	10	Manpower / Organization structure	
	11	List of Major Products / Services	
	12	Details of your major customers	
	13	Are you exporting Products / services? If so, please furnish	
		details of exports for past 3 years.	
	14	Are you providing training to overseas students/trainers and if so,	
		give details of the training courses conducted for last 3 years	
	15	Do you have branches or institutes under your group, If yes,	
		give details with address.	
	16	Whether you are affiliated / accredited to any Govt.	
		Agency / Reputed organization	
	Declaration: I / We declare that the details given above are true and correct.		
	Place :		Signature of Authorized person
	Date :		With Company Seal

(Note: Please attach detailed information in a separate sheet wherever required)

ANNEXURE – 6

QUALITY AND PACKING DETAILS

1. MACHINE / EQUIPMENT:

1.1 Machine / Equipment shall be manufactured and delivered in accordance with the specifications as given in this Tender and quality shall be as per Indian / International Standards.

1.2 Goods supplied shall be new, genuine, unused and shall be of current models and of current productions.

1.3 Any alteration to the specifications, Design, Patterns etc. of the offered goods shall only be made upon the Buyer's consent in writing.

1.4 The Tenderer warrants that the materials, metals, chemicals, paints, packing pieces etc. used in the manufacture of goods and all its packing and packaging are fully trivialized and stable under tropical conditions. Any damages arising from the inadequate trivialization, shall be deemed an inherent defects of manufacture.

1.5 **BOUGHT-OUTS**:
All the bought-out items such as bearings, belts, electricals, motors, contactors, switches, MCBs, fuses, transformers, rubber gaskets, O-rings, conduit pipes, coolant and hydraulic hoses etc. **shall correspond to ISI / International specifications, should preferably have CE mark** and shall be of reputed make like SKF, FENNER, BHARAT, BIJILEE, CUTTLER HAMMER, CROMPTON GREAVES, SIEMENS and TELEMECHNIC.

1.6 Bought-out accessories like Furnace Lamps, pumps, Panel Air conditioners, Oil Coolers, Panel Boards, Stabilizers, Transformers etc. should be from reputed original equipment manufacturers.

1.7 Machine / Equipment aesthetics especially sheet metals, guards, doors, covering plates, castings are to be made to international standards. Painting and finish of Furnaces are the most important aspects of aesthetics.

2. INSTRUCTION & SPARE PARTS MANUALS:

2.1 Neatly printed manuals should be sent with the Machine / Equipment. Instruction Manuals should be of updated version containing complete details of offered Machine / Equipment including customer name, Machine / Equipment number, Machine / Equipment model, year of manufacture etc..

2.2 Drawings should be clear and legible. Xerox copies are not acceptable. Details of bought-out items used in the Machine/Equipment should be included in the manual. Good quality paper should be used for printing of manuals.

2.3 All foundation drawings showing electrical, air, water and other service connections of Machine / equipment, with floor plans to be provided in two sets, in English.

3. SAFETY DEVICES:

Each Machines/equipment should be provided with adequate and all necessary safety devices for the protection of the operator/s, factory personnel and the environment.

4. OTHER CONDITIONS:

Since Machine / Equipment are being exported, Machine / Equipment including all accessories have to be built to ensure high quality performance, aesthetic appearance in respect of general finish, painting, sheet metal fabrication and international safety regulations.

5. PACKING INSTRUCTIONS:

5.1 Export worthy wooden / plywood packing as per Indian / International standards suitable for sea freight.

5.2 Equipment, accessories and spares are to be covered by thick silpaulin sheet or 1 mm thick polythene sheets and all openings are to be sealed .

5.3 All external bright / machined surfaces should be protected with coating of OKS-CORTEC VCI 369 N Rust preventive. OKS rust preventive to be used.

5.4 Rust preventives to be used whose shelf life is not less than one year.

5.5 Packing list with respect to each case to be prepared and given to HMT(I) along with other documents.

5.6 Machine / Equipment should be firmly fixed to be base of packing case to prevent jerking or local movement.

5.7 Delivery Voucher should clearly indicate packing case dimension with net and Gross weight and case number if there are more than one case.

5.8 Photographs before and after packing to be taken and sent to HMT(I).

5.9 Handling marks of the packing cases to be shown on packing cases.

5.10 Fumigation has to be conducted and fumigation certificate should be submitted to HMT(I)

ANNEXURE – 7

PROFORMA FOR MANUFACTURER AUTHORIZATION FORM
(On Manufacturer's Letter Head)

Date:

The Deputy General Manager,
HMT (International) Limited,
No.59, Bellary Road,
Bangalore – 560 032

Sub: Manufacturer Authorization against tender No. ……for Supply, Installation / Commissioning & Trials of "……." for the Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.

Dear Sir,

We, M/s…… (Insert Name of the Manufacturer) having registered office at ……(Insert Address of the Manufacturer) by virtue of being manufacturer for ……..(Insert Name of the product/s) hereby authorize M/s……(Insert Name of the bidder) having their office at ……..(Insert Address of the bidder) to submit the bid, negotiate, conclude the contract and provide after sales support for our range of products quoted by them to meet the above mentioned tender requirements.

No company or firm or individual other than M/s. ……..(Insert Name of the bidder) are authorized to bid and conclude the contract for the above goods manufactured by us against the above referred tender.

The undersigned is authorized to issue such authorization on behalf of M/s…….. (Insert Name of the manufacturer).

For M/s. (Name of the Manufacturer)
Signature & Seal of the Company

LOT: 1 - MECHATRONICS AND ROBOTICS EQUIPMENT

LOT - 1(1) : PLC TRAINER KIT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/216			**Quantity: 1 No.**
Item: PLC Trainer Kit : PLCTrainer Kit with all standard accessories to carry out different experiments and suitable for 1 phase 220 / 230 V, 50HZ AC.			
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand and experiment the functionality of PLC, interfaces of various devices and components to develop different circuits and control of practical applications. 3. To teach and train the students in programming of different types of PLCs and execute programmes developed to understand static & dynamic simulators.		
2	**Major Technical Specification:** • The system shall be desktop rack type and modular with suitable table. • The rack to be provided with DIN rail for clipping on different PLCs and can be expanded • Static Modules comprising process control simulators , Manufacturing automation control simulators and other simulators • Dynamic Modules comprising sensor module, Relay module, star delta module etc. • Logic controller, software, power supply etc.		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system.		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets each
5	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set each
6	Colour of equipment :	Standard	
7	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. • Cora cloth – 5 Mtrs.	1 set each

LOT - 1(2) : DIGITAL SENSOR MODULE

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.		
Ref: Enclosure - 2A/217		**Quantity: 1 No.**
Item: Digital Sensor Module : Digital SensorKit with all standard accessories to carry out different experiments and suitable for 1 phase 220 / 230 V, 50HZ AC.		
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand and experiment the basic concepts in sensor technology with a focus on digital sensors prevalent in the current industry.	
2	**Major Technical Specification:** • The system shall have Aluminium profile plate for mounting the components and measuring equipment with suitable table. • Distribution unit with Power supply • Digital counter display for frequency, multi meter, vernier caliper, etc. • Software	

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/217			**Quantity: 1 No.**
Item: Digital Sensor Module : Digital SensorKit with all standard accessories to carry out different experiments and suitable for 1 phase 220 / 230 V, 50HZ AC.			
	• Test pieces for sensors.		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets each
5	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set each
6	Colour of equipment :	Standard	
7	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. • Cora cloth – 5 Mtrs.	1 set each

LOT - 1(3) : ANALOGUE SENSOR MODULE

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/218			**Quantity: 1 No.**
Item: Analogue Sensor Module : Analogue SensorKit with all standard accessories to carry out different experiments and suitable for 1 phase 220 / 230 V, 50HZ AC.			
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand and experiment the basic concepts in sensor technology with a focus on ultrasonic, strain and distance measurement by means of optical sensors prevalent in the current industry.		
2	**Major Technical Specification:** • The system shall have Aluminium profile plate for mounting the components and measuring equipment with suitable table. • Distribution unit with Power supply • Digital counter display for frequency etc. • Software • Test pieces.		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system.		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets each
5	NOTE: All the softwares and kits should be compatible and integrate with the complete system		
6	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set each
7	Colour of equipment :	Standard	
8	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. • Cora cloth – 5 Mtrs.	1 set each

LOT - 1(4) : DYNAMIC MODULE

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/219		**Quantity: 1 No.**	
Item: Dynamic Module : Dynamic ModuleKit with all standard accessories to carry out different experiments and suitable for 1 phase220 / 230 V, 50HZ AC or 3 Phase380/400V, 50HZ.			
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand intermediate level of dynamic module with Sensor and Relay module.		
2	**Major Technical Specification:** **Sensor Module**: Set of inductive, capacitive, optical, magnetic read switch sensors, micro switches etc. Demonstration of sensor operation and control through PLC. **Relay Module:** Set of NC relays with instrument load such as fan and lamps to demonstrate the operation through PLC. **Star Delta Module:** Set of contactors for starting the 3 phase induction motor.		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system.		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets each
5	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set each
6	Colour of equipment :	Standard	
7	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. • Cora cloth – 5 Mtrs.	1 set each

LOT - 1(5) : LINEAR TRANSFER SYSTEM

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.		
Ref: Enclosure - 2A/220	**Quantity: 1 No.**	
Item: Linear Transfer System : Linear Transfer System Kit with all standard accessories to carry out different experiments and suitable for 1 phase 230 V, 50HZ AC.		
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand and experiment the basic concepts of automated transport & sorting process. 3. PLC programming and interfacing 4. Pneumatics/electronic pneumatic 5. Sensor technology 6. Automation design	
2	**Major Technical Specification:** • Complete workstation mounted on an aluminium profile plate with operating console with suitable table. • Belt conveyor • Pick & place unit	

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/220		**Quantity: 1 No.**	
Item: Linear Transfer System : Linear Transfer System Kit with all standard accessories to carry out different experiments and suitable for 1 phase 230 V, 50HZ AC.			
	• Horizontal transfer unit • Transfer module (Rotary pick & place unit) • 6 station rotary indexing table • Drilling module • PLC software. • PC with latest configuration, required softwares and hardwares.		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system.		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets
5	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set
6	Colour of equipment :	Standard	
7	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. Cora cloth – 5 Mtrs.	1 set

LOT - 1(6) : SIX AXIS ROBOT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/221		**Qty : 1 no.**	
Sl.No.	**Description**	**Brief Specifications**	**Qty**
1	**Item: Six Axis Robot** : A collaborative Robot with Pedestal base and all standard accessories to carry out different experiments and and Electricals suitable for 1 phase 100-240V 50Hz AC		1
2	**General specifications**		
2.1	Controller	one High-speed input for belt tracking, 16 Digital input and output, and 2 analog input or output. Must Have a communication interface (RJ45 connector) for TCP/IP, Modbus TCP, Modbus RTU, ProfiNet and Ethernet/IP	
2.2	Path type	Point to Point, Linear&Circular interpolation	
2.3	Application	The unit should be with a cobot, gripper and suitable pedestal to simulate the functioning of the cobot	
3	**Main specifications**		
3.1	No. of axes	6	
3.2	Operating Radius	620 mm	
3.3	Pay load capacity	3 Kg	
3.4	Positional accuracy	+/-0.02 mm	
3.5	Programming	Graphical drag & drop	
3.7	Suitable software	inclusive	
4	Operation/ Programming/Spare parts manual		3 sets

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/221		**Qty : 1 no.**	
5	Set of Electrical & Mechanical spare parts recommended for two years normal operation	Please indicate the detailed list of spares in Technical bid without price.	1 Set
6	Colour of machine	Standard	1 Set
7	Items required for Erection & Commissioning	Touch up paint – 1/2 lt each colour, cotton waste- ½ kg, initial fill of oil etc to be supplied.	1 Set

LOT - 1(7) : ROBOT APPLICATION EXPERIMENTAL KIT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/222		**Qty : 1 no.**	
Sl.No.	**Description**	**Brief Specifications**	**Qty**
1	**Item: Robot Application experimental Kit :** A collaborative Robot with Pedestal base and all standard accessories to carry out different experiments and and Electricals suitable for 1 phase 100-240V 50Hz AC		1
2	**General specifications**		
2.1	Controller	one High-speed input for belt tracking, 16 Digital input and output, and 2 analog input or output. Must Have a communication interface (RJ45 connector) for TCP/IP, Modbus TCP, Modbus RTU, ProfiNet and Ethernet/IP	
2.2	Path type	Point to Point, Linear&Circular interpolation	
2.3	Application	The kit should include 2 jaw Pneumatic gripper, software, Pneumatic vice, Pneumatic chuck, paint kit, Laser Pointer, PLC, HMI, Compressor, set of push buttons and servo motor for pneumatic chuck. Function that can be simulated using this kit are • Pick and place – vertical stacking & horizontal palletizing • Pick and place with machining simulation • Assembly and disassembly • Gluing simulation using Laser pointer • Testing bank of push button switches • Basic painting simulation using paint brush	
3	**Main specifications**		
3.1	No. of axes	6	
3.2	Operating Radius	620 mm	
3.3	Pay load capacity	3 Kg	

3.4	Positional accuracy	+/-0.02 mm	
3.5	Programming	Graphical drag & drop	
3.7	Suitable software	inclusive	
4	Operation/ Programming/Spare parts manual		3 sets
5	Set of Electrical & Mechanical spare parts recommended for two years normal operation	Please indicate the detailed list of spares in Technical bid without price.	1 Set
6	Colour of machine	Standard	1 Set
7	Items required for Erection & Commissioning	Touch up paint – 1/2 lt each colour, cotton waste- ½ kg, initial fill of oil etc to be supplied.	1 Set

LOT - 1(8) : INTEGRATION OF ROBOT WITH AUTOMATION

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.			
Ref: Enclosure - 2A/223		**Quantity: 1 No.**	
Item: Integration of Robot with Automation: Integration of Robot with Automation Kit with all standard accessories to carry out different experiments and suitable for 1 phase 230 V, 50HZ AC.			
1.	**Objective:** 1. For use in Vocational Training Centre for giving practical training to students who passed 10th standard and above. 2. To understand and experiment the basic concepts and simulate pick & place, assembly, different mechanical operations like welding etc..		
2	**Major Technical Specification:** Complete workstation mounted on suitable table having operating console consisting of: • Rotary Pick & place unit • Belt conveyor • Weighing module • PLC • Robot- 4 Axis with Payload Capacity 6 Kgs • Power supply unit etc. • With suitable software of latest configuration • Suitable stabilizer		
3	NOTE: All the softwares and kits should be compatible and integrate with the complete system.		
4	Operating manual containing Basic theory, Procedure to conduct experiment and troubleshoot in hard copy and soft copy in CD/Pen drive.		3 sets
5	Set of spare parts recommended for two years normal operation of machine	Please indicate the detailed list of spares in Technical bid without price.	1 set
6	Colour of equipment :	Standard	
7	Items required for Erection & Commissioning.	• Touch up paint – required qty • Initial fill of Hydraulic/Lubrication/Cutting Oil, if any in separate sealed containers. • Cora cloth – 5 Mtrs.	1 set

LOT: 2 - MECHANICAL PRESS 10 TON CAPACITY

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.		
Ref: Enclosure - 1/95		**Qty:1**
Sl. No	**Brief Specification**	
1	Supply and E&C of Mechanical Press of Capacity 10Tons with all standard and required accessories and Electrical suitable for 380/400V, 3 Phase, 50Hz AC Supply.	
1.1	**Description:** Mechanical Press of rigidly built C type fabricated from high quality stress relieved Steel plates, non-inclinable, forged alloy carbon steel or EN material crank shaft fitted with clutch and brake assembly, Manual slide adjustment, suitable lubrication system and over load protection and suitable control panel.	
	Major specifications	
1.2.1	Strokes per Minute	75 nos.
1.2.2	Stroke Length	50 mm
1.2.3	Shut Height	200 mm
1.2.4	Bolster Size	540 x 315 mm
1.2.5	Bolster Thickness	65 mm
1.2.6	Height of Bolster surface from floor	800 mm
	Main Motor Power.	1.5HP
1.3	**Accessories**	
1.3.1	Starter of L&T/Siemens(fitted with machine)	1 no.
1.3.2	V Belts(fitted with machine)	2 nos.
1.3.3	Overload safety device (Mechanical Shear Plate) (fitted with machine)	1 no.
1.3.4	Manual Slide Adjustment(fitted with machine)	1 no.
1.3.5	Hand Operated Lubrication System(fitted with machine)	1 no.
1.3.6	Suitable Cutting Die and clamps for the above power press	1 no.
1.3.7	Suitable Punching Die and clamps for the above power press	1 no.
1.3.8	Operation, Maintenance and spare parts manual	3 Sets per machine
1.4	**Colour:** Dual Colour - Soft Grey (RAL-7035) and Himmel Blue (RAL-5015) Polyurethane Paint.	
1.5	**Set of mechanical and electrical spare parts for 2 years normal operation.** Please indicate the detailed list of spares in Technical bid without price.	
1.6.1	Touch up paint - 1 litre each, Brush- ½" – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg.	
1.6.2	Initial fill of Hydraulic Oil & Lubrication Oil packed in separate containers & sealed	
1.6.3	Mounting bolts/Leveling plates	

LOT: 3 - TOOLS FOR MILLWRIGHT

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**
1	2A/133	Set spanners combination 6 – 24mm	6-24mm combination set round to open mouth	3
2	2A/134	Set socket and spanners 10 – 32mm	10-32mm 1/2'	3
3	2A/135	Set Of Allen Keys	metric and imperial 100mm long	3
4	2A/136	Ball pin hammer 200g	200g flat and round head	4
5	2A/137	Ball pin hammer 500g	500g flat and round head	4
6	2A/138	Prick punch	100mm long	8
7	2A/139	Cold chisel 20mm X 200mm	20mm with X 200mm long	8
8	2A/140	Screw driver set 18 piece	9 flat and 9 philips with insolated handles	8
9	2A/141	Square 150 mm	150mm	8
10	2A/142	V-blocks	1-5/8'' x 1-1/4'' x 1-1/4''	8
11	2A/143	Tin snips	Combination set	8
12	2A/147	File Bastard 300mm	300mm long flat with handle	8
13	2A/148	File second cut 300mm with handle	300mm long flat with handle	8
14	2A/149	File Smooth 300mm with handle	300mm long flat with handle	8
15	2A/150	File Round 300mm with handle	300mm long round with handle	8
16	2A/144	File Half round 300 mm with handle	300mm long half round with handle	8
17	2A/145	File Three-square 300 mm with handle	300mm long Three-square with handle	8
18	2A/146	File Square 300 mm with handle	300mm long square with handle	8
19	2A/151	File Flat 150 mm	150mm long smooth with handle	8
20	2A/152	Tap handle 150mm	150mm long 4-12mm tap capacity	8
21	2A/154	Hack saw	300 mm long	8
22	2A/155	Magnifying glass	90mm Diameter Lens	2
23	2A/156	Hand grinding machine	115mm 4 – 1/2 inch 1010W 115mm disk	2
24	2A/157	Hand baby grinder	670w 115mm disk	2
25	2A/158	File Brush	230mm long	5
26	2A/159	Paint Brush 25mm	25mm wide	5
27	2A/160	Steel Ruler 300mm	300mm long accuracy 0.5mm	8
28	2A/161	Radius Gauges	15mm-25mm radius gauge	2
29	2A/181	Protractor (Engineer)	180° steel	8
30	2A/162	Torque wrench	65-335Nm torque wrench	2
31	2A/163	C-spanner	C-spanner set C1-6	2
32	2A/41	Bearing puller	3 leg 12" dia	2

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. #	**Ref: Enclosure**	**Description**	**Brief Specification**	**Qty**
33	2A/164	Copper hammer	25MM flat end	8
34	2A/165	Number stamps 4mm	4mm thick	2
35	2A/166	Letter stamps 4mm	4mm thick	2
36	2A/167	Wheel dresser	grinding wheel, grinding dresser no2	1
37	2A/178	Belt tension gauge	Belt tension gauge kgf and mm	3
38	2A/180	Straight edge	1meter x 3 mm thick	8
39	2A/182	Marking off table or surface plate with angle plate	1.2mL x 1.1mW x 980mmh	1
40	2A/194	Marking Pens	permanent marker	16
41	2A/195	Marking blue	350ml marking blue spary	10
42	2A/196	Tapping paste	500g tub	10
43	2A/177	Combination Square set	300mm long steel	3

LOT: 4 - ELECTRICAL APPLIANCES

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**
1.	2A/28	Ceiling Fan	AC 230 V, 1200 mm blades	1
2.	2A/90	Electric Hot plate	1500W, 230V with temp control	1
3.	2A/91	Electrical Kettle	Electrical Kettle Cordless with 360 degree rotational base and a capacity of 1.7 litres Stainless steel body, Concealed stainless steel heating element, Water level gauge, Auto off on boiling, On/Off switch with light indicator, 1000 Watts 230V power	1
4.	2A/92	Electric Iron box	Automatic Iron box with minimum 1200 Watts, 230V, Variable steam control, and auto shut off and temp control.	1
5.	2A/93	Immersion heater	Immersion heating coil set consisting of 1000W, 230V	1
6.	2A/94	Geyser	Geyser of minimum 25 litres capacity – 230 V (Storage type)	1
7.	2A/95	Induction stove	Electric Induction stove of minimum 120 W to 2000W 8 bands adjustable power, Digital display to show time, power & temp, Minimum temperature of 70 to 270 deg, 8 bands adjustable, with Multi function & timer.	1
8.	2A/96	Microwave Oven	Micro Oven of minimum 30 Litres capacity convection type.	1
9.	2A/97	Electric Cooker	Automatic Electric Rice Cooker 1.8 Litre Capacity (Raw Rice) 700 Watts, 230 V, Single phase, AC Electric supply, Teflon coated cooking pan Cooking indicator, Detachable power cord Auto shut off	1
10.	2A/115	Domestic water pump with starter	Water Pump Single Stage, Self-priming type, with Manganese / Bronze impellers. Steel shafts and close grained Cast Iron parts. Capacity of 1 HP	1
11.	2A/116	Electric Toaster	Auto Pop Electric Toaster, 2 Slice capacity, 250 Watts, 230 V, Single phase, AC Electric supply, Auto pop up, Cool touch body Variable browning control, Cord storage, 250 W Heating Element & Heating adjustment	1
12.	2A/118	Wall Fan	Wall fan of 18" dia sweep blade size	1

LOT: 5 - FURNITURE – ELECTRICAL

Project: "Setting up of Gandhi-Mandela Centre of Specialisation for Artisan Skills (GMCOS)", Majuba, South Africa.				
Sl. No	**Ref: Enclosure**	**Item**	**Brief Specification**	**Qty**
1	2A/113	Booths for domestic wiring	9ft x 4ft x 4ft with fine wood / silver oak / rubber wood 50mm thick fitted on Slotted angle 18G 2"x2"	2

End of Enclosure - I