

# HMT (INTERNATIONAL) LIMITED

A Govt. of India Undertaking

(OPEN TENDER)

BID DOCUMENTS

FOR SUPPLY, INSTALLATION & COMMISSIONING, TRIAL

for

**Project: Setting Up of Indo-Belize Centre of Engineering, Belize**

TENDER NO. 3 – Civil Building Testing Carpentry Equipment		
Sl. #	LOT	ITEM
1	LOT - 1	Civil Building Testing Equipment
2	LOT - 2	Carpentry Equipment
3	LOT - 3	Set of Tools - Carpentry
4	LOT - 4	Set of Hand Tools
5	LOT - 5	Set of power tools - Carpentry
6	LOT - 6	Training Material

**TENDER NO: HMTI/PROJ/IBCE/S003/2018 Dated 11-05-2018**

**CLOSING ON: 04-06-2018, TIME 10.00 HRS**

**TECHNICAL BID OPENING ON: 04-06-2018, TIME 10.30 HRS**

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

*The Tender document issued against payment of Rs 2,500.00 (Rupees Two Thousand Five Hundred only) in the form of a Demand Draft / Digital Transfer towards cost of tender document. The Bidder who choose to download tender document from website must submit the Demand Draft towards cost of the Tender documents along with Technical bids in Envelope-I.*

## **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. Tenders not sealed shall be rejected straight away.
3. Do not use window envelope.
4. Lot-wise 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.**
5. The Bidder may depute their authorized representative to witness the tender opening for both Technical and Commercial Bids.

**HMT Bhavan, No.59, Bellary Road, Bangalore 560 032**

**Tel: 91- 80- 2333 9060, Fax: 91- 80- 2333 9048**

**Web Site: [www.hmti.com](http://www.hmti.com), E-mail: [projects@hmti.co.in](mailto:projects@hmti.co.in)**

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## 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 Indo-Belize Centre of Engineering, Belize as per Schedule of Requirements / Scope of Supplies (SR) - (Section IV)

TENDER NO. 3 – Civil Building Testing Carpentry Equipment		
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6	LOT - 6	Training Material

1. HMT(I) invites sealed bids from eligible bidders for the Supplies as above with details listed in Section IV.  
**Bidders shall participate for any number of lots but Part bidding within the lot is not allowed**

2. **Contact information**

The Joint General Manager, Projects  
HMT (International) Limited,  
59, Bellary Road, Bangalore-560032, INDIA  
Tel No.: 080- 23339060  
Fax No.: 080- 23339048  
E-mail: [projects@hmti.co.in](mailto:projects@hmti.co.in) / vaish@hmti.com

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:

Offer in the prescribed forms Section – V, Annexure 1 to 8 should be submitted in the following manner.

**Envelope I: “Technical bid”:** The sealed envelope shall contain all the copies of technical bids Lot-wise separately together with Commercial Bids without indicating the prices. This 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:**

- The Bidder’s annual turnover (average) for 3 years shall be atleast as mentioned below against each Lot in the last three financial years.

LOT -1: **Rs. 60,00,000/- (Rupees Sixty lakh only)**

LOT -2: **Rs. 60,00,000/- (Rupees Sixty lakh only)**

LOT -3: **Rs. 5,00,000/- (Rupees five lakh only)**

LOT -4: **Rs. 10,00,000/- (Rupees Ten lakh only)**

LOT -5: **Rs. 5,00,000/- (Rupees Five lakh only)**

LOT- 6: **Rs. 20,00,000/- (Rupees Twenty lakh only)**

- **The Total Annual turnover to bid for all the Lots is Rs. 1,70,00,000/- (Total Rs. One crore Seventy lakh only).**
- The Bidder shall quote for all the Lots or part bid among the lots mentioned under Scope of Supply. However, part bidding within the lots is not allowed.
- In case, the Bidder quotes for more than one lot, the turn over shall be sum of the value given against each lots.
- The Bidder must have minimum 3 years continuous experience in manufacturing / supply of items specified in the Scope of Supply. **Attach at least one Purchase Order copy of each year separately for three years.**

- Bidder should submit satisfactory certificate from at least 2 reputed clients to whom similar nature of supplies has been rendered.
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 envelopes for each lot in the Technical Bid.
- LOT -1: **Rs. 65,000/- (Rupees Sixty Five thousand only)**  
LOT -2: **Rs. 50,000/- (Rupees Fifty thousand only)**  
LOT -3: **Rs. 1,000/- (Rupees One thousand only)**  
LOT -4: **Rs. 7,000/- (Rupees Seven thousand only)**  
LOT -5: **Rs. 2,500/- (Rupees Two thousand Five hundred only)**  
LOT -6: **Rs. 18,000/- (Rupees Eighteen thousand only)**
- **The Total Earnest Money Deposit to bid for all the Lots is Rs.1,43,500 ..../- (Total Rs One lakh Forty Three thousand Five hundred only)**
- 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 bidders registered with NSIC 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 an authorized dealer/HMTI vendor.
  4. Technical bids without prescribed cost toward tender cost & EMD in the form of Demand Draft/ Purchase receipt will be rejected summarily.
  5. Bid documents Purchase Receipt / DD / Digital Transfer in favour of HMT(I), Bangalore for Rs.2,500/- if tender documents are downloaded from website.
  6. Duly filled Technical bid for each Lot separately with proper seal and signature of the authorized person on each page of the bid submitted.
  7. Complete Scope of Supplies with all necessary details and acceptance of commercial terms and conditions as provided under Section IV & V Lot-wise separately.
  8. Make / Model for each of the item to be specified in the Quotation and the Catalogues to be enclosed with the technical bid.
  9. Bids shall be valid for a minimum period of 90 (ninety) days from the last date of submission.
  10. Furnish acceptance for providing Performance Bank Guarantee for 10% of the contract value in the event of tender being awarded.
  11. 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.
  12. Self attested copy of GST registration certificate as applicable.
  13. List of customers both domestic & overseas to whom similar supplies have been provided in the past 3 years in the prescribed format Section-V, Annexure-3.
  14. Satisfactory certificate from at least 2 reputed clients to whom similar nature of supplies has been rendered.
  15. Vendor Registration form – Section – V, Annexure – 6 duly filled {Only for New Vendors of HMT(I)}.
  16. Copy of ISO-9000 Certificate, if applicable.
  17. Payment Terms. As per clause 13 in Section-III. Specify deviations if any.
  18. 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 & Tender document fees, A/c details of HMT(International) Ltd is as detailed below:**

Name: HMT(International) Limited  
Bank: Bank of Maharashtra  
City Market Branch  
Bangalore-560 002 - Branch Code: 304  
MICR No: 560014002  
Account Type: Current Account  
Account No. 20061601773  
IFSC Code: MAHB0000304  
Swift Code: MAHBINBBGL

**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 (**separately for each Lot**).

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.
- The supplies shall be guaranteed against defects of material and workmanship for a period of 12 months from the date of commissioning. The supplier will arrange for free supply and replace/repair at his cost at site any part that may be found defective and necessitates replacement due to design, manufacture and material defect during warranty period. HMT(I) shall provide airfare, local hospitality to experts deputed during the warranty period as per the mutually agreed terms.
- 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 has to accept the payment terms. Any deviation in the payment terms offered shall be considered and suitable Bank interest of 18% per annum will be loaded for comparison purposes only. However acceptance of the payment terms indicated by the bidder is subject to approval of Purchase Committee.
- **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. L1 shall be decided on Lot price basis.

**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 1330 hrs (IST) on the closing date**. Late offers will not be considered.

**Last date for submission of bids: 4<sup>th</sup> June, 2018 up to 1000 hrs. Technical bids will be opened on 4<sup>th</sup> June 2018 at 10.30 hrs in the Board room of HMT(I) office, Bangalore.**

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END OF SECTION I

<b>SECTION II- INSTRUCTIONS TO BIDDERS (ITB)</b>	
<b>1</b>	<b>Definitions and Interpretation</b> 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 IBCE, University of Belize, Belize, where the supplies are required to be supplied. “PROJECT” means “Setting Up of Indo-Belize Centre of Engineering at University of Belize, Belize city, Belize”
<b>2</b>	<b>Compliance of Requirements</b> 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.
<b>3</b>	<b>Place of Delivery of supplies:</b> All supplies are to be delivered to HMT(I)’s shipping agent at Nhava Sheva Port as per the instructions given by HMT(I) at the time of dispatch.
<b>4</b>	<b>Criteria for pre qualification of Bidder</b> <b><u>The Bidder shall satisfy the following prequalification criteria:</u></b> The Bidder shall provide satisfactory documentary evidence acceptable to HMT(I) to show that:
4.1	The Bidder’s annual turnover (average) is at least as indicated below in the last three financial years. The Bidders should furnish audited accounts for previous 3 years. LOT -1: <b>Rs. 60,00,000/- (Rupees Sixty lakh only)</b> LOT -2: <b>Rs. 60,00,000/- (Rupees Sixty lakh only)</b> LOT -3: <b>Rs. 5,00,000/- (Rupees five lakh only)</b> LOT -4: <b>Rs. 10,00,000/- (Rupees Ten lakh only)</b> LOT -5: <b>Rs. 5,00,000/- (Rupees Five lakh only)</b> LOT- 6: <b>Rs. 20,00,000/- (Rupees Twenty lakh only)</b>  <b>- The Total Annual turnover to bid for all the Lots is Rs. 1,70,00,000/- (Total Rs. One crore Seventy lakh only).</b>
4.2	The Bidder must have minimum 3 years continuous experience in manufacturing / supply of items specified in the Scope of Supply. <b>Attach at least one Purchase Order copy of each year separately for three years.</b>
4.3	Bidder should submit <b>satisfactory certificate from at least 2 reputed clients</b> to whom similar nature of supplies has been rendered.
<b>Bidder who does not submit the above required information along with documentary evidence at the time of bidding; their bid may be rejected.</b>	
<b>5</b>	<b>Cost of bid documents</b>
5.1	<ul style="list-style-type: none"> <li>○ The cost of bid document is Rs 2,500.00 (Rupees Two Thousand Five hundred only).</li> <li>○ The cost shall be payable in the form of a crossed Bank draft / Digital Transfer in favour of HMT (International) Ltd, Payable at Bangalore and kept along with the Technical bid documents in Envelope –I, if the bid documents are down loaded from website.</li> <li>○ If the documents are purchased from HMT (International) Limited, copy of the receipt for payment of cost of bid documents shall be kept along with the Technical bid documents in Envelope –I.</li> <li>○ In case, the Bidder quotes for more than one lot, the copy of the receipt for payment of cost of bid documents shall be kept along with the Technical bid documents in Envelope –I for each lots separately.</li> <li>○ If the cost of bid document is not paid before opening of the Technical bid, the bids will be rejected straightaway/ summarily.</li> </ul>
<b>6</b>	<b>Earnest Money Deposit</b>
6.1	Earnest Money Deposit for amount as stipulated below shall accompany Technical bid documents of tender. LOT -1: <b>Rs. 65,000/- (Rupees Sixty Five thousand only)</b> LOT -2: <b>Rs. 50,000/- (Rupees Fifty thousand only)</b> LOT -3: <b>Rs. 1,000/- (Rupees One thousand only)</b> LOT -4: <b>Rs. 7,000/- (Rupees Seven thousand only)</b> LOT -5: <b>Rs. 2,500/- (Rupees Two thousand Five hundred only)</b> LOT -6: <b>Rs. 18,000/- (Rupees Eighteen thousand only)</b>  <b>The Total Earnest Money Deposit to bid for all the Lots is Rs.1,43,500 ..../- (Total Rs One lakh Forty Three thousand Five hundred only)</b> The Earnest Money Deposit shall be in a crossed Bank Draft/Digital Transfer in favour of HMT (International) Ltd, Payable at Bangalore. <b>In case, the Bidder quotes for more than one lot, the copy of the crossed Bank Draft shall be kept along with the Technical Bid documents in Envelope –I for each lots separately. <u>However, the bidders registered with NSIC will be exempted from payment of EMD on submission of Valid Registration Certificate.</u></b>

<b>SECTION II- INSTRUCTIONS TO BIDDERS (ITB)</b>	
6.2	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).
6.3	No interest will be payable by the HMT(I) on the Earnest Money Deposit.
6.4	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.
6.5	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.
6.6	If the successful Bidder fails to furnish a contract performance guarantee, then the earnest money shall be liable to be forfeited.
6.7	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.
6.8	If Earnest Money for amount as stipulated in clause 6.1 is not enclosed in the Technical documents in Envelope –I, the bid will be rejected straight away / summarily.
<b>7</b>	<b>Period of validity of bids</b>
7.1	Bids shall be valid for a minimum period of 90 days from the last date of submission.
7.2	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 one week's time.
<b>8</b>	<b>Deadlines for submission of bids</b>
	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.
8.1	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: <a href="http://www.hmti.com">www.hmti.com</a>
8.2	Any bid received by HMT(I) after the deadline for submission of bids, will not be accepted and returned unopened to the bidder.
<b>9</b>	<b>Opening of Commercial bids by HMT(I)</b>
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 may attend 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 bidder details considered as appropriate by HMT(I), will be announced at the time of opening of the Commercial Bids.
<b>10</b>	<b>Comparison of Bids</b>
	Bids received against the tender will be evaluated by the Technical Evaluation Committee (TEC) for technical suitability and will be shortlisted.
10.1	Short listed Technical bids shall be considered for commercial evaluation and Commercial Bid opening.
<b>11</b>	<b>Award Criteria</b>
11.1	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.
11.2	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.
11.3	If more than one bidders quotes same lowest price, HMT(I) reserves the right to award the contract at its own discretion.
11.4	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.
<b>12</b>	<b>HMT(I)'s Right to amend Scope of Supplies</b>
12.1	HMT(I) reserves the right to accept or reject any or all bids without assigning any reason whatsoever.
12.2	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.
12.3	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 Belize.
12.4	HMT(I) reserves the right to cancel / short close the order due to non-satisfactory performance by any of the service /

<b>SECTION II- INSTRUCTIONS TO BIDDERS (ITB)</b>	
	supply offered. Cost / damages arising out of such cancellation / short closure shall have to be borne by the bidder
12.5	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 Belize / 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.
<b>13</b>	<b>Corrupt or Fraudulent Practices.</b>
13.1	HMT(I) requires that the bidders who wish to bid for this project have highest standards of ethics.
13.2	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;
13.3	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.
<b>14</b>	<b>Interpretation of the clauses in the Tender Document / Contract Document</b> 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.
<b>15</b>	<b>General</b>
15.1	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.
15.2	The Bidders must ensure that the conditions laid down for submission of offers detailed in the preceding paras, are completely and correctly fulfilled.
15.3	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
15.4	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.
15.5	Any individual(s) signing the tender and related documents should be a competent authorised person or original copy of power of authorization issued by the competent authority should accompany the tender.
15.6	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.
15.7	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.
<b>End of SECTION-II</b>	



<b>SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)</b>	
1	<u>Execution:</u> Metric System
2	<u>Colour :</u> As specified in the Technical Specifications.
3	<u>Electricals:</u> Main supply: <b>220 V, 3 Ph, 60Hz AC / 110 V, 1 Ph, 60Hz AC Supply</b> Provision for inspection/testing of the equipment to the input supply electrical condition to be ensured at the works
4	<u>Delivery period for supplies:</u> F.O.R Nhava Sheva Port within 8 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	<u>Inspection, Re inspection and Acceptance:</u> The items shall be manufactured as per International Standards. The standards followed should be accepted by HMT(I). For this purpose, the supplier shall furnish HMT(I) the standards being followed immediately for 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).  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.  The supplies will be inspected by HMTI by deputing HMTI's quality assurance personnel to the vendor's worksite. Inspection and other deputation charges for the deputation of HMTI personnel shall have to be borne by the vendor.  Vendor has to indicate the number of days of inspection required for each of the equipment quoted by them separately. The inspection charges to be paid to HMT(I) before starting of inspection.  Incase inspection days are extended due to non-readiness of equipment,
6	<u>Re-Inspection:</u> 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	<u>Packing:</u> All Supplies shall be packed in seaworthy wooden cases (as per international standard) suitable for shipment by 20ft / 40 ft containers of size (LXBXH): 5900mmx2300mmx2300mm / 12000mmx2300x2300mm respectively. Packing cases must have case-wise detailed packing list to be put inside the cases. Also, 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.  Packing to be made in the presence of HMT(I) inspection engineers.
8	<u>Port of Shipment and Discharge:</u> Nhava Sheva Port and Port Belize, Belize.
9	<u>Freight &amp; Insurance:</u> Supplier to dispatch the goods on Freight Prepaid –Door Delivery basis to HMT(I) shipping agent at Nhava Sheva Port of shipment. Transit insurance to be arranged by supplier. Supplier to inform HMT(I), despatch details like Lorry receipt No., No. of Packing cases, Gross Weight, Net Weight etc., immediately after dispatch from works.
10	<u>Consignee:</u> Consignee will be intimated later
11	<u>Invoice to :</u> HMT (International) Limited, 59, Bellary Road, Bangalore – 560 032, India TIN NO. 29760097661/GST No. 29AAACH8197C1ZD. A/c. IBCE, University of Belize, Belize City, Belize.
12	<u>Price:</u> The price shall be F.O.R Nhava Sheva Port and considered firm and no escalation will be permitted.
13.1	<u>Payment Terms for supplies:</u> 100% payment for supplies will be payable on 60th day from the date of delivery to our shipping agent at Nhava Sheva. If the Payment terms are not acceptable, the vendor can quote their own payment terms. 18% per annum interest will be loaded to the quoted price for arriving at the total price for price evaluation only as per tender terms. However, the acceptance of the payment terms indicated is at the sole discretion of the Management. All bank charges such as L/c opening charges, negotiation charges, etc., are to the account of supplier, if supplier requires payment by inland L/C.
13.2	<u>Payment for services portion:</u> The payment will be made after getting certificate confirming successful Installation and customer Training at site in IBCE, University of Belize, Belize city, Belize.
14	<u>Penalty for delayed Supply and Services:</u> HMT(I) reserves the right to levy penalty @ 1.0 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 10 weeks. The penalties, if any shall be recovered by invoking the Performance Bank Guarantee or withholding the amount out of the payments due.
15	<u>Clearance for Despatch:</u>

	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 with out any transshipment.
16	<b>Name &amp; Address of the Shipping Agent :</b> Will be informed at the time of dispatch clearance by HMT(I).
17	<p><b>Technical Documents:</b> 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 :</p> <ul style="list-style-type: none"> <li>o 2 Sets of Manuals along with the machine / equipment</li> <li>o 1 set Manual to HMT(I), Bangalore</li> <li>o Two copies of Electrical wiring drawings (along with the machine / equipment)</li> <li>o Instructions for commissioning (One copy along with the machine / equipment) and one copy to HMT(I)</li> <li>o Final Test &amp; Inspection Report (along with the machine / equipment)</li> </ul>
18	<p><b>Bought Outs:</b> 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 &amp; TELEMCHANIC etc.,</p>
19	<p><b>Rejection &amp; Risk:</b> 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).</p>
20	<p><b>Performance Bank Guarantee (PBG):</b> The successful bidder will be required to furnish Performance Bank Guarantee for 10% amount of the FOR price for the supplies value, as per the format attached to this document (Refer Section – V; Annexure – 4). This bank guarantee shall remain valid until the expiry of warranty period or for the period of 12 months beyond the completion of Erection &amp; Commissioning. If the Bidder is not acceptable to furnish Performance Guarantee 10% of the FOR price for the supplies value will be retained as “retention money” till expiry of warranty period or for the period of 12 months beyond the completion of Erection &amp; Commissioning. Performance Bank Guarantee for 10% of the FOR price for the supplies value is required for the Lots mentioned.</p>
21	<p><b>International Warranty:</b> 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, whichever is earlier. 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 Belize.</p> <p>HMT(I) has to provide total warranty for the complete project for 1 year from the date of handing over to the concerned authorities. Since the vendors are providing only 12 months warranty from the date of trails and commissioning the items at site or 15 months from date of shipment, to cover up the liability and commitment till completion of warranty of 12 months from the date of handing over, 20% + applicable GST of the quoted FOR cost indicated will be charged towards trails and extended warranty period to cover up spares costs, travelling expenses and service charge for the deputation of HMTI / vendor experts to site for carrying out servicing/maintenance/ repair at site. This amount is to be paid to HMT(I) before despatch of machine from vendor works.</p> <p>The supplier will arrange for free supply and replace/repair at his cost at site any part that may be found defective and necessitates replacement due to design, manufacture and material defect during the extended warranty period. HMT(I) shall provide airfare, local hospitality to experts deputed during the warranty period as per the mutually agreed terms.</p>
22	<p><b>Installation for LOT – 1 &amp; 2</b></p> <ul style="list-style-type: none"> <li>o The supplier shall depute, the required technical personnel for carrying out installation and providing training to the customer's personnel in operation &amp; maintenance of items in LOT– 1 &amp; 2 at project site in Belize.</li> <li>o 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 Belize. To&amp;fro Airfare, Boarding expenses, Travel Insurance and incidental expenses to be borne by the supplier.</li> <li>o The supplier shall depute their personnel within 15 days from the date of intimation of readiness at project site in Belize.</li> <li>o All necessary tooling, instruments etc., which are required for installation will be carried by the supplier</li> <li>o Necessary tools, fixtures, instruments, trail materials, consumables etc., for installation to be sent along with the items.</li> <li>o 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.</li> </ul>
23	<b>Arbitration:</b>

	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.
24	<b>Jurisdiction:</b> The disputes, legal matters, court matters, if any shall be subject to Bangalore jurisdiction only.
25	<b>Force Majeure:</b> 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, 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 than 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.
	<b>End of Section III</b>

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

Schedule of Requirements / Scope of Supplies is as detailed below

**LOT – 1 Civil, building testing equipment**

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize				
Sl. #	Annex. Ref.	Description	Brief Specification	Qty
1	Sl. No 12 of Encl 1 of DPR Annex 3	Concrete Compression Testing Machine		1
2	Sl. No 13 of Encl 1 of DPR Annex 3	Universal Testing Machine		1
3	Sl. No 14 of Encl 1 of DPR Annex 3	Compression load cell		1
4	Sl. No 15 of Encl 1 of DPR Annex 3	SPT Drill rig with accessories		1
5	Sl. No 16 of Encl 1 of DPR Annex 3	California Bearing Ratio Test Apparatus		1
6	Sl. No 17 of Encl 1 of DPR Annex 3	Hydrometers		1
7	Sl. No 18 of Encl 1 of DPR Annex 3	Soil hand augers with extension		1
8	Sl. No 19 of Encl 1 of DPR Annex 3	Static cone penetrometers		1
9	Sl. No 20 of Encl 1 of DPR Annex 3	Electronic Distance Measuring Instrument		1
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

**LOT – 2 Carpentry equipment**

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize				
Sl. #	Annex. Ref.	Description	Brief Specification	Qty
1	Sl. No 1 of Encl 1 of DPR Annex 3	Table saw		1
2	Sl. No 2 of Encl 1 of DPR Annex 3	Planer		1
3	Sl. No 3 of Encl 1 of DPR Annex 3	Jointer		1
4	Sl. No 5 of Encl 1 of DPR Annex 3	Circular saw		1
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

**LOT – 3 Set of cutting tools**

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize				
Sl. #	Annex. Ref.	Description	Brief Specification	Qty
1	Sl. No 9 of Encl 1 of DPR Annex 3	Set of Tools - Carpentry		1 set
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

### **LOT – 4 Set of Hand Tools**

<b>Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize</b>				
<b>Sl. #</b>	<b>Annex. Ref.</b>	<b>Description</b>	<b>Brief Specification</b>	<b>Qty</b>
1	Sl. No 10 of Encl 1 of DPR Annex 3	Raw material / Consumable		1 set
2	Sl. No 11 of Encl 1 of DPR Annex 3	Miscellaneous		1 lot
3	Sl. No 22 of Encl 1 of DPR Annex 3	Plumbing pipe bender		1
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

### **LOT – 5 Set of Power Tools - Carpentry**

<b>Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize</b>				
<b>Sl. #</b>	<b>Annex. Ref.</b>	<b>Description</b>	<b>Brief Specification</b>	<b>Qty</b>
1	Sl. No 4 of Encl 1 of DPR Annex 3	Heavy Duty Hammer Drill		1
2	Sl. No 7 of Encl 1 of DPR Annex 3	Hand Drill		1
3	Sl. No 6 of Encl 1 of DPR Annex 3	Reciprocating saw		1
4	Sl. No 8 of Encl 1 of DPR Annex 3	Screw Gun		1
5	Sl. No 21 of Encl 1 of DPR Annex 3	Electric Ceramic Tile Cuter		1
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

### **LOT – 6 Training Material**

<b>Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize</b>				
<b>Sl. #</b>	<b>Annex. Ref.</b>	<b>Description</b>	<b>Brief Specification</b>	<b>Qty</b>
1	Encl 1 of DPR Annex 4	LCD Projector with screen		2 nos
2	Encl 1 of DPR Annex 4	Photo Copier		1
3	Encl 1 of DPR Annex 4	Lap top computer		3 nos
<b>FOR DETAILS REFER ENCLOSURE - 1</b>				

**End of Section IV**

PRICE SCHEDULE

**LOT - 1 Civil, Building Testing equipment**

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize						
Sl. No	Annex Ref.	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	Sl. No 12 of Encl 1 of DPR Annex 3	Concrete Compression Testing Machine		1		
2	Sl. No 13 of Encl 1 of DPR Annex 3	Universal Testing Machine		1		
3	Sl. No 14 of Encl 1 of DPR Annex 3	Compression load cell		1		
4	Sl. No 15 of Encl 1 of DPR Annex 3	SPT Drill rig with accessories		1		
5	Sl. No 16 of Encl 1 of DPR Annex 3	California Bearing Ratio Test Apparatus		1		
6	Sl. No 17 of Encl 1 of DPR Annex 3	Hydrometers		1		
7	Sl. No 18 of Encl 1 of DPR Annex 3	Soil hand augers with extension		1		
8	Sl. No 19 of Encl 1 of DPR Annex 3	Static cone penetrometers		1		
9	Sl. No 20 of Encl 1 of DPR Annex 3	Electronic Distance Measuring Instrument		1		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						
<b>Cost towards Installation, commissioning and training the customer's personnel in operation and maintenance for above equipment at project site in Belize.</b>						
<b>*Total cost of equipment including I &amp; C in Indian Rupees (in words):</b>						

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

- 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 Belize.
- Necessary tools, fixtures, instruments, trial materials, consumables, etc, for Installation and training have to be sent along with the supplies.

Please indicate the man day rates considered for deputation on the format given below

Sl No.	No. of Persons required for Installation of LOT 1 equipment	No. of Man days required	Cost per man day (In Rs.)

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 Carpentry equipment

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize						
Sl. No	Annex Ref.	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	Sl. No 1 of Encl 1 of DPR Annex 3	Table saw		1		
2	Sl. No 2 of Encl 1 of DPR Annex 3	Planer		1		
3	Sl. No 3 of Encl 1 of DPR Annex 3	Jointer		1		
4	Sl. No 5 of Encl 1 of DPR Annex 3	Circular saw		1		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						
<b>Cost towards Installation, commissioning and training the customer's personnel in operation and maintenance for above equipment at project site in Belize.</b>						
<b>*Total cost of equipment including I &amp; C in Indian Rupees (in words):</b>						

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

- 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 Belize.
- Necessary tools, fixtures, instruments, trial materials, consumables, etc, for Installation and training have to be sent along with the supplies.

Please indicate the man day rates considered for deputation on the format given below

Sl No.	No. of Persons required for Installation of LOT 2 equipment	No. of Man days required	Cost per man day (In Rs.)

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

- The offer must be submitted as per above proforma. The Bidder may use his letterhead to submit his offer.
- No erasures or alternations in the text of the offer are permitted.
- Any correction made in offer shall be initialed by the Bidder.
- VALUES should be both in figures and Words.
- The prices quoted should be most competitive**



### **LOT – 3 Set of tools - Carpentry**

<b>Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize</b>						
<b>Sl. No</b>	<b>Annex Ref.</b>	<b>ITEM</b>	<b>Brief Specification</b>	<b>Qty</b>	<b>Unit F.O.R. Nhava Sheva Port Price in Ind. Rs</b>	<b>Total F.O.R. Nhava Sheva Port Price in Ind. Rs.</b>
1	Sl. No 9 of Encl 1 of DPR Annex 3	Set of Tools		1 set		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						

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.
5. **The prices quoted should be most competitive**

## LOT – 4 Set of Hand Tools

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize						
Sl. No	Annex Ref.	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	Sl. No 10 of Encl 1 of DPR Annex 3	Raw material / Consumable		1 set		
2	Sl. No 11 of Encl 1 of DPR Annex 3	Miscellaneous		1 set		
3	Sl. No 22 of Encl 1 of DPR Annex 3	Plumbing pipe bender		1		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						

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.
5. **The prices quoted should be most competitive**

## **LOT – 5 Set of Power Tools - Carpentry**

<b>Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize</b>						
<b>Sl. No</b>	<b>Annex Ref.</b>	<b>ITEM</b>	<b>Brief Specification</b>	<b>Qty</b>	<b>Unit F.O.R. Nhava Sheva Port Price in Ind. Rs</b>	<b>Total F.O.R. Nhava Sheva Port Price in Ind. Rs.</b>
1	Sl. No 4 of Encl 1 of DPR Annex 3	Heavy Duty Hammer Drill		1		
2	Sl. No 7 of Encl 1 of DPR Annex 3	Hand Drill		1		
3	Sl. No 6 of Encl 1 of DPR Annex 3	Reciprocating saw		1		
4	Sl. No 8 of Encl 1 of DPR Annex 3	Screw Gun		1		
5	Sl. No 21 of Encl 1 of DPR Annex 3	Electric Ceramic Tile Cuter		1		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						

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.
5. **The prices quoted should be most competitive**

## LOT – 6 Training Material

Project: Setting up of Indo-Belize Centre of Engineering, University of Belize, Belize City, Belize						
Sl. No	Annex Ref.	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	Encl 1 of DPR Annex 4	LCD Projector with screen		2		
2	Encl 1 of DPR Annex 4	Photo Copier		1		
3	Encl 1 of DPR Annex 4	Lap top computer		3		
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees with seaworthy packing</b>						
<b>Cost of trails, extended International Warranty @ 20% + applicable GST of FOR Price</b>						
<b>Total F.O.R Nhava Sheva Port Price in Indian Rupees</b>						

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.
5. **The prices quoted should be most competitive**

**End of Section V**

**Annexure – 2**





**PROFORMA FOR PERFORMANCE BANK GUARANTEE**

THE JOINT GENERAL MANAGER, PROJECTS  
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 TEN 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

PROFORMA FOR VENDOR APPRAISAL

General Information

Vendor Code

1. Company

M/s. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 City: \_\_\_\_\_  
 PIN: \_\_\_\_\_

Phone: \_\_\_\_\_  
 \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_  
 \_\_\_\_\_  
 Web Site: \_\_\_\_\_  
 \_\_\_\_\_

2. Contact Person

Name: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Designation: \_\_\_\_\_  
 Phone: \_\_\_\_\_

3. Number of Years in Business : \_\_\_\_\_  
 4. Number of Units : \_\_\_\_\_  
 5. Total Number of Employees : \_\_\_\_\_

6. Major Customers

1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

4) \_\_\_\_\_  
 5) \_\_\_\_\_  
 6) \_\_\_\_\_

Y N

7. Sales Office/Authorized Distributor

If yes Indicate details below

A M/s. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 PIN \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail \_\_\_\_\_

M/s. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 PIN \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail \_\_\_\_\_

C M/s. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 PIN \_\_\_\_\_

M/s. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 PIN \_\_\_\_\_



Phone: \_\_\_\_\_  
 Fax : \_\_\_\_\_  
 E.Mail \_\_\_\_\_

Phone : \_\_\_\_\_  
 Fax : \_\_\_\_\_  
 E.Mail \_\_\_\_\_

**Production & Service Capabilities**

1 Product Range

a \_\_\_\_\_  
 b \_\_\_\_\_  
 c \_\_\_\_\_  
 d \_\_\_\_\_  
 e \_\_\_\_\_

f \_\_\_\_\_  
 g \_\_\_\_\_  
 h \_\_\_\_\_  
 i \_\_\_\_\_  
 j \_\_\_\_\_

2 Processes Existing in the Plant

Processes	Availability	Details
1 Conventional Machining	<input type="checkbox"/> Y <input type="checkbox"/> N	<div style="border: 1px solid black; padding: 5px; display: inline-block;">N.A</div> _____ _____ _____ _____ _____ _____ _____ _____ _____
2 CNC Machining	<input type="checkbox"/> Y <input type="checkbox"/> N	
3 Forging	<input type="checkbox"/> Y <input type="checkbox"/> N	
4 Casting	<input type="checkbox"/> Y <input type="checkbox"/> N	
5 Plating	<input type="checkbox"/> Y <input type="checkbox"/> N	
6 Fabrication	<input type="checkbox"/> Y <input type="checkbox"/> N	
7 Tool Making	<input type="checkbox"/> Y <input type="checkbox"/> N	
8 Welding	<input type="checkbox"/> Y <input type="checkbox"/> N	
9 Gear Manufacturing	<input type="checkbox"/> Y <input type="checkbox"/> N	
10 Designing	<input type="checkbox"/> Y <input type="checkbox"/> N	

**Quality Information**

1 Control adopted

Control	Availability	Details
a In-Process Inspection	<input type="checkbox"/> Y <input type="checkbox"/> N	_____ _____ _____ _____
b Stage Inspection	<input type="checkbox"/> Y <input type="checkbox"/> N	
c Testing	<input type="checkbox"/> Y <input type="checkbox"/> N	
d SQC/SPC	<input type="checkbox"/> Y <input type="checkbox"/> N	

2 Inspection & Testing Facility Available

Facility	Availability	Details
a Material Testing	<input type="checkbox"/> Y <input type="checkbox"/> N	_____ _____ _____
b Precision Measurement	<input type="checkbox"/> Y <input type="checkbox"/> N	

c	Furnace Testing	<input type="checkbox"/> Y <input type="checkbox"/> N	_____
d	Non-Destructive Testing	<input type="checkbox"/> Y <input type="checkbox"/> N	_____
e	Calibration	<input type="checkbox"/> Y <input type="checkbox"/> N	_____

3	Quality System Implemented-ISO 9000/QS 9000	<input type="checkbox"/> Y <input type="checkbox"/> N	Enclose Certificate															
4	Capability to supply products with CE Marking	<input type="checkbox"/> Y <input type="checkbox"/> N																
5	Quality Level of Existing Products	<table border="0"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Poor</td> <td>Fair</td> <td>Good</td> <td>Very Good</td> <td>Excellent</td> </tr> </table>	1	2	3	4	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Poor	Fair	Good	Very Good	Excellent	
1	2	3	4	5														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
Poor	Fair	Good	Very Good	Excellent														

**Commercial & Financial Information**

		2014-15	2015-16	2016-17
1	Annual Turnover for last 3 Years in Rs.Lakhs	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Net Profit for the last 3 years Rs. Lakhs	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Exports	<input type="checkbox"/> Y <input type="checkbox"/> N		
	If Yes, Turnover for last 3 Years in Rs.Lakhs	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Specify Countries to which Exports are made	USA <input type="checkbox"/> UK <input type="checkbox"/> Europe <input type="checkbox"/> Middle East <input type="checkbox"/> CIS Countries <input type="checkbox"/> Others <input type="checkbox"/>		
4	Any Collaboration	<input type="checkbox"/> Y <input type="checkbox"/> N		
	If Yes, Indicate Details	_____		
		_____		
		_____		

5	Any investment Envisaged for Expansion	<input type="checkbox"/> Y <input type="checkbox"/> N
6	Is company following Direct Procurement Principle	<input type="checkbox"/> Y <input type="checkbox"/> N
7	KST / CST Registration No.	<input type="text"/>
8	Central Excise	No <input type="text"/>
	Range	<input type="text"/>
	SSI Registration No.	<input type="text"/>

9

10 Do you have Company Brochure

  
Y        
N

11 Experience in handling Government of India's projects  
If yes, value of projects executed so far Rs. Lakhs

  
Y        
N

12 Is the company registered with MEA ?

  
Y        
N

If Yes, Value of Supply done to MEA Projects

Rs. Lakhs

Direct supply

Thru Agency

13 Supplies done to HMT(I)

  
Y        
N

If Yes, Value of Supplies done Rs. Lakhs

Details of supplies to HMT(I):

---

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Compiled by:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date \_\_\_\_\_

Note:

- 1 Put ✓ in appropriate check box.
  - 2 If space provided is not sufficient to provide details, please attach extra sheet.
  - 3 Please attach catalogue/Brochure if available.
- 
-

		Annexure - 6
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)**

## PROFORMA FOR BANK GUARANTEE FOR BID GUARANTNEE

To,

The Joint General Manager (Projects)  
HMT (International) Limited  
HMT Bhavan, No.59, Bellary Road  
BANGALORE – 560 032

Dear Sir,

In accordance with your invitation to tender No.....M/s. .... hereinafter called the bidder with the following Directors on their Board of Directors/Partners of the firm:

- 1.
- 2.
- 3.
- 4.
- 5.

wish to participate in the said tender for supplying Machine / equipment required for the project at IBCE, University of Belize, Belize City, Belize being implemented by HMT (International) Limited, Bangalore.

As a Bank Guarantee against Bid Guarantee for a sum of Rs.....(in words & figures) valid for 90 days from the date of opening of the Tender No..... is required to be submitted by the bidder as a condition for the participation, this bank hereby guarantees and undertakes during the above said period of 90 (Ninety) days to immediately pay, on demand by HMT (International) Limited, Bangalore in writing the amount of Rs..... (words & figures) to HMT (International) Limited, Bangalore without any reservation and recourse, if:

- 1) The bidder after submitting his tender, modifies the rates or any of the terms and conditions thereof, except with the previous written consent of the purchaser or
- 2) The bidder withdraws the said bid within 90 days after opening of bid or
- 3) The bidder having not withdrawn the bid, fails to furnish the contract of Performance Guarantee within the period provided in the terms and conditions of the contract.

This guarantee shall be irrevocable and shall remain valid up to 4.00 p.m. on.....if further extension to this guarantee is required, the same shall be extended to such required periods on receiving instructions from M/s.....on whose behalf this guarantee is issued.

Date.....

Signature.....

Place.....

Printed Name.....

Witness

1.....  
(Designation)

2..... (Bank's Common Seal)

**(Note : This should be on bidders letter head)**

## 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 TELEMECNIC.
- 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.

**LOT – 1 Civil, Building lab Equipment – Universal Testing Machine**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 13 of Enclosure 1 (DPR Annexure-3)		
Item : Universal Testing Machine		Qty : 1 No.
Sl. No.	Description	Qty
<b>1.</b>	Universal Testing Machine – Computerised - suitable for Electricals <b>220V, 3Phase, 60 Hz AC supply / 110V, 1 phase, 60Hz AC.</b>	
<b>1.1</b>	<b>Technical Specifications :</b>	
1.1.1	Maximum Capacity in KN	400 KN
1.1.2	Measuring range resolution ( KN)	4 – (0-40, 0-100, 0-200, 0-400)
1.1.3	Max clearance for tensile test	50 – 700 mm
1.1.4	Max clearance for compression test	0-700 mm
1.1.5	Clearance between columns	500 mm
1.1.6	Ram stroke	200 mm
1.1.7	Straining / Piston speed at no load	0-150 mm
1.1.8	Motor	2 HP
<b>1.2</b>	<b>Requirements</b>	
1.2.1	For Tension Test: Clamping jaws for round specimen	10-25 mm & 25-40 mm
1.2.2	Clamping jaws for flat specimen	0-15 mm & 15-30 mm – width 65 m
1.2.3	For Compression Test: Pair of compression plate of dia	120 mm
1.2.4	For Transverse Test: Width of rollers	160 mm
1.2.5	Dia of rollers	30 mm
1.2.6	Max clearance between support	500 mm
1.2.7	Radius of punch Top	12, 16 mm
1.2.8	Desktop computer/peripherals	Suitable with table & latest configuration
1.2.9	Application for: a) Peak Load along with on line load b). Maximum elongation with online elongation c). Ultimate Tensile Strength d). Graphical Display of load vs. time e). Graphical Display of elongation vs. time f). Graphic Display of load vs. elongation g). Graphic Display of stress vs. strain h). Complete Statistical Analysis i). Data report management	
1.2.10	Hand tools for operating the equipment	1 set
1.2.11	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets (Total)
<b>1.3</b>	<b>Colour: Standard</b>	
<b>1.4</b>	<b>Set of mechanical and electrical spare parts for 2 year normal operation.</b> • Please indicate the detailed <b>list of spares in Technical bid without price.</b> • Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b>	1 set
<b>1.5</b>	<b>Items required for E&amp;C to be supplied with the machine:</b>	
1.5.1	Touch up paint – 1/2 litre each, Brush- ½” – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg	1 set
1.5.2	Initial fill of Hydraulic / Lubrication Oil packed in separate containers & sealed	1 set
1.5.3	Set of anti vibration mounting pads / Foundation bolts with leveling plates - 1 set	1 set

**LOT – 1 Civil, Building lab Equipment – Compression Load Cell**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.			
Ref. No. Sl. No. 14 of Enclosure 1 (DPR Annexure-3)			
Item : Compression Load Cell		Qty : 1 No.	
Sl. No.	Description	Qty	
<b>1.</b>	Compression Load Cell – Completely hermetically sealed by laser welding with digital indicator		
<b>1.1</b>	<b>Technical Specifications :</b>		
1.1.1	Capacity		10 T
<b>1.2</b>	<b>Requirements</b>		
1.2.1	LVDT – 1 no with DRO		+/- 5 mm
1.2.2	Two load cells		
1.2.3	Hand tools for operating the equipment		1 set
1.2.4	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore		3 sets (Total)
<b>1.3</b>	<b>Colour:</b> Standard		
<b>1.4</b>	<b>Set of spare parts for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>		1 set
<b>1.5</b>	<b>Items required for E&amp;C if any to be supplied with the machine:</b>		



**LOT – 1 Civil, Building lab Equipment – SPT Drill Rig with accessories**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 15 of Enclosure 1 (DPR Annexure-3)		
Item : SPT Drill Rig with accessories		Qty : 1 No.
Sl. No.	Description	Qty
1.	SPT Drill Rig with accessories – To conduct Standard Penetration Test for measuring the penetration resistance of the ground and for relating it to the degree of compactness of cohesion less soil and consistency of cohesive soil.	
1.1	<b>Requirements</b>	
1.1.1	<p>Construction: This consist of three metal pipe legs approximately 5 mtr. long connected by a tie bolt and each leg is made up of two parts for ease of transportation complete with one pulley one leg has building ladder.</p> <p>Usage: SPT to be used for measuring the undisturbed strength of the soil and for assessing its resistance to liquefaction due to ground vibrations caused by earthquakes or other dynamic forces.</p> <p>Testing Method Desired: The Standard Penetration Resistance to be measured as the number of blows 'N' required to drive a split spoon sampler to a depth of 300 mm using a 65 kg weight falling freely through a height of 750 mm.</p>	
1.1.2	Hand tools for operating the equipment	1 set
1.1.3	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets
1.2	<b>Colour: Standard</b>	
1.3	<p><b>Set of spare/consumables for 2 year normal operation.</b></p> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
1.4	<b>Items required for E&amp;C if any to be supplied with the machine:</b>	

**LOT – 1 Civil, Building lab Equipment – California Bearing Ratio Test Apparatus**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 16 of Enclosure 1 (DPR Annexure-3)		
Item : California Bearing Ratio Test Apparatus		Qty : 1 No.
Sl. No.	Description	Qty
1.	California Bearing Ratio Test Apparatus – Field Type - To conduct CBR Test to understand CBR Value.	
1.1	<b>Requirements</b>	
1.1.1	To determine the load carrying capacity in the field when in place density and water contents are such that the degree of saturation is 80% of greater. Loading is effected by means of a mechanical load frames which can be fixed to the underside of a truck.	
1.1.2	<p><b>Specification:</b>            Mechanical screw loading jack, 10,000 kg. Capacity with u-bracket and swivel head.            Penetration piston, 50mm dia.            Threaded at the upper end.            Extension rods consisting of 2 lengths 5 cm. 2 lengths 10 cm. 1 length 30 cm., 1 length 50 cm. and 1 length 100 cm. used as spacers between the proving ring and penetration piston.            The lengths are to be machined from steel tubing.            Connector set, to have eight connectors for coupling the penetration piston and proving ring assembly either directly or through extension pieces.            Dial gauge support of seamless pipe constructions.            30 cm high and 45 cm. wide at the base.            To be provided with a quick release screw type clamp capable of sliding and locking anywhere along 2 meter length of the bridge.            To be Supplied with annular metal weight 5 kg., 250mm dia with 53 mm dia central hole, slotted metal weight 5 kg., 215mm to 250mm dia with 53 dia slot 2 nos.</p>	
1.1.3	Hand tools for operating the equipment	1 set
1.1.4	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets
1.2	<b>Colour:</b> Standard	
1.3	<p><b>Set of spare/consumables for 2 year normal operation.</b></p> <ul style="list-style-type: none"> <li>Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
1.4	<b>Items required for E&amp;C if any to be supplied with the machine:</b>	

**LOT – 1 Civil, Building lab Equipment – Hydrometers**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 17 of Enclosure 1 (DPR Annexure-3)		
Item : Hydrometers		Qty : 1 No.
Sl. No.	Description	Qty
1.	Hydrometers - To conduct Grain size analysis of soil.	
1.1	<b>Requirements</b>	
1.1.1	To conduct grain size analysis of soil.	
	<b>Specification:</b> Manufactured from clear transparent glass having uniform clarity throughout the upper end on which density scale is engraved. The scale range is 0.995 to 1.030 0 density (gms./cc) at 27°C smallest division on the scale is 0.0005.	
1.1.2	Hand tools for operating the equipment	
1.1.3	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets
1.2	<b>Colour:</b> Standard	1 set
1.3	<b>Set of spare/consumables for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
1.4	<b>Items required for E&amp;C if any to be supplied with the machine:</b>	

**LOT – 1 Civil, Building lab Equipment – Soil Hand Augers with Extension**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 18 of Enclosure 1 (DPR Annexure-3)		
Item : Soil Hand Augers with Extension		Qty : 1 No.
Sl. No.	Description	Qty
1.	Soil Hand Augers with Extension:	
1.1	<b>Requirements</b>	
1.1.1	To collect soil samples at depths for lab tests.	
1.1.2	<p><b>Specification:</b> Blade type (posthole type) and helical type (screw type). Each auger outfit to be consisted of one each of auger head, one meter long rod, tee piece and handle. Provision for depth of excavating using additional extension rods. <b>Screw Type:</b> (a) 25mm, (b) 38mm, (c) 50mm, (d) 75mm, (e) 100mm, (f) 150mm, (g) 200mm, (h) 250mm, (i) 300mm dia, <b>Extra:</b> Extension rod 1 meter length with threading at both ends and couplings, set of two spanners and tee piece.</p>	
1.1.3	Hand tools for operating the equipment	1 set
1.1.4	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets
1.2	<b>Colour:</b> Standard	
1.3	<p><b>Set of spare/consumables for 2 year normal operation.</b></p> <ul style="list-style-type: none"> <li>Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
1.4	<b>Items required for E&amp;C if any to be supplied with the machine:</b>	

**LOT – 1 Civil, Building lab Equipment – Static Cone penetrometers**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 19 of Enclosure 1 (DPR Annexure-3)		
Item : Static Cone penetrometers		Qty : 1 No.
Sl. No.	Description	Qty
1.	Static Cone penetrometers:	
1.1	<b>Requirements</b>	
1.1.1	For reaching greater depths and to facilitate easy and constant rate of penetration of 1 to 2.5cm/sec in soil	
1.1.2	<p><b>Construction:</b> It's engine-driven Static Cone Penetrometer of 100 KN (10,000 Kgf) capacity. The equipment consists of a hydraulic pump driven by a Diesel Engine. The whole system is mounted on a tow able trolley fitted with pneumatic wheels. The pumping unit and ram are to be connected by means of flexible pipes through a direction control valve. The hydraulic ram moves on a two pillar stand mounted on a trolley. The following accessories are required.</p> <p>01). Penetration Cone, steel 60 cone angle, 10cm<sup>2</sup> base area, with friction jacket – 1 no 02). Mantle Tube, 36mm uniform OD with sounding Rod working length required 03). Load Measuring Head, with Automatic cut-off valve, and oil can without pressure gauges- 1 no 04). Pressure Gauge, 0-600 x 5 kg/cm - 1 no 05). Pressure Gauge, 0 100 x 1kg/cm – 1 no 06). Trusses – 2 nos 07). Screw Anchor 45 cm – 6 nos 08). Screw Anchor 30 cm – 6 nos 09). Screw Anchor 20 cm – 6 nos 10). Screw Anchor Rod with cone – 6 nos 11). Driving handle for Screw Anchor – 1 no 12). Extension Pipe for Handle – 4 nos 13). Clamping Screw with Nuts – 6 nos 14). Extractor Tube with Connector – 1 no 15). Tarpaulin Cover – 1 no</p>	
1.1.3	Hand tools for operating the equipment	1 set
1.1.4	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets
1.2	<b>Colour:</b> Standard	
1.3	<p><b>Set of spare/consumables for 2 year normal operation.</b></p> <ul style="list-style-type: none"> <li>Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
1.4	<b>Items required for E&amp;C if any to be supplied with the machine:</b>	

**LOT – 1 Civil, Building lab Equipment – Electronic Distance Measuring Instrument**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.			
Ref. No. Sl. No. 20 of Enclosure 1 (DPR Annexure-3)			
Item : Electronic Distance Measuring Instrument			Qty : 1 No.
Sl. No.	Description		Qty
1.1	Scope of measurement	50 to 1800 CMs	
1.2	Error	Five over 1000	
1.3	Resolution	0.01 M	
1.4	Max distance measured	18 M	
1.5	The sum of the max distance	180.0 M	
1.6	Biggest calculation area	18 x 18 M <sup>2</sup>	
1.7	Biggest volume calculation	1800 M <sup>3</sup>	
1.8	Battery	9 V	
1.9	Launch frequency	40 kHz	
1.10	Precision	+/- 0.5%	
1.11	Working temperature	0 <sup>0</sup> – 50 <sup>0</sup> C	
1.2	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets	
1.3	Set of spare/consumables for 2 year normal operation. <ul style="list-style-type: none"> <li>• Please indicate the detailed list of spares in Technical bid without price.</li> <li>• Please indicate the detailed list of spares with individual prices in Commercial bid only.</li> </ul>		1 set

**LOT –2 Carpentry Equipment – Table saw**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 1 of Enclosure 1 (DPR Annexure-3)		
Item : Table Saw		Qty : 1 No.
Sl. No.	Description	Qty
<b>1.</b>	<b>Table Saw</b> with standard and required accessories suitable for Electricals <b>220V, 3Phase, 60 Hz AC supply / 110V, 1 phase, 60Hz AC.</b>	<b>1</b>
<b>1.1</b>	<b>Technical Specifications :</b>	
1.1.1	Table Dimension (Cast iron make)	570 x 1000 mm
1.1.2	Sliding Table dimension	380 x 2600 mm
1.1.3	Main saw blade diameter	355 mm (14")
1.1.4	Maximum cutting height with blade at 90 <sup>0</sup>	105 mm
1.1.5	Maximum cutting height with blade at 45 <sup>0</sup>	73 mm
1.1.6	Main Motor power	7.5 HP (5.5 kW)
1.1.7	Main blade speed	3000 / 4000 / 5000 rpm
1.1.8	Scoring Motor Power	1 HP (0.75 kW)
1.1.9	Cutting width	1300 mm
1.1.10	Blade tilting	Manual 0 <sup>0</sup> -45 <sup>0</sup>
1.1.11	Blade tilting angle	Mechanical
1.1.12	Main blade speed	Mechanical
1.1.13	Overhead saw guard	Simple
<b>1.2</b>	<b>Requirements</b>	
1.2.1	Machine lamp – Halogen / LED	
1.2.2	Emergency stop	
1.2.3	Dust collector	
1.2.4	Additional blade (Spare)	2 nos
1.2.5	Hand tools for operating the equipment	1 set
	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets (Total)
<b>1.3</b>	<b>Colour: Standard</b>	
<b>1.4</b>	<b>Set of mechanical and electrical spare parts for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
<b>1.5</b>	<b>Items required for E&amp;C to be supplied with the machine:</b>	
1.5.1	Touch up paint – 1/2 litre each, Brush- ½" – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg	1 set
1.5.2	Initial fill of Hydraulic / Lubrication Oil packed – in separate containers & sealed	1 set
1.5.3	Set of anti vibration mounting pads / Foundation bolts with leveling plates - 1 set	1 set

**LOT – 2 Carpentry Equipment – Planer**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 2 of Enclosure 2 (DPR Annexure-3)		
Item : Planer		Qty : 1 No.
Sl. No.	Description	Qty
<b>1.</b>	<b>Planer – Single side with standard and required accessories suitable for Electricals 220V, 3Phase, 60 Hz AC supply / 110V, 1 phase, 60Hz AC.</b>	
<b>1.1</b>	<b>Technical Specifications :</b>	
1.1.1	Maximum planing width	13"
1.1.2	Maximum planing thickness	8"
1.1.3	Length of table	26"
1.1.4	Min length of workpiece for thickness doing	11"
1.1.5	Feeding speed (FPM)	24
1.1.6	Cutter block dia	3.75"
1.1.7	Cuter block speed	4000 rpm
1.1.8	Power	3 HP
<b>1.2</b>	<b>Requirements</b>	
1.2.1	Machine lamp – Halogen / LED	
1.2.2	Emergency stop	
1.2.3	Dust collector	
1.2.4	Hand tools for operating the equipment	1 set
1.2.5	Additional cutter	2 sets
1.2.6	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets (Total)
<b>1.3</b>	<b>Colour: Standard</b>	
<b>1.4</b>	<b>Set of mechanical and electrical spare parts for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
<b>1.5</b>	<b>Items required for E&amp;C to be supplied with the machine:</b>	
1.5.1	Touch up paint – 1/2 litre each, Brush- ½" – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg	1 set
1.5.2	Initial fill of Hydraulic / Lubrication Oil packed in separate containers & sealed	1 set
1.5.3	Set of anti vibration mounting pads / Foundation bolts with leveling plates - 1 set	1 set



**LOT – 2 Carpentry Equipment – Jointer**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.		
Ref. No. Sl. No. 3 of Enclosure 2 (DPR Annexure-3)		
Item : Jointer		Qty : 1 No.
Sl. No.	Description	Qty
<b>1.</b>	<b>Jointer with standard and required accessories suitable for Electricals 220V, 3Phase, 60 Hz AC supply / 110V, 1 phase, 60Hz AC.</b>	
<b>1.1</b>	<b>Technical Specifications :</b>	
1.1.1	Table Area	2020 x 300 x 100 mm
1.1.2	Maximum planing width	300 mm
1.1.3	Table height	800 mm
1.1.4	Fence slant angle	0 <sup>0</sup> -45 <sup>0</sup>
1.1.5	Main motor	3 HP
1.1.6	Cuter head speed	5000 rpm
1.1.7	Cutter head dia	100 mm
1.1.8	Knife	3 pcs
<b>1.2</b>	<b>Requirements</b>	
1.2.1	Machine lamp – Halogen / LED	
1.2.2	Emergency stop	
1.2.3	Dust collector	
1.2.4	Hand tools for operating the equipment	1 set
1.2.5	Additional knives	2 sets
1.2.6	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets (Total)
<b>1.3</b>	<b>Colour: Standard</b>	
<b>1.4</b>	<b>Set of mechanical and electrical spare parts for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set
<b>1.5</b>	<b>Items required for E&amp;C to be supplied with the machine:</b>	
1.5.1	Touch up paint – 1/2 litre each, Brush- ½” – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg	1 set
1.5.2	Initial fill of Hydraulic / Lubrication Oil packed in separate containers & sealed	1 set
1.5.3	Set of anti vibration mounting pads / Foundation bolts with leveling plates - 1 set	1 set

**LOT – 2 Carpentry Equipment – Circular saw**

Project: Setting up of Indo – Belize Centre of Engineering, Belize City, Belize.			
Ref. No. Sl. No. 5 of Enclosure 1 (DPR Annexure-3)			
Item : Circular Saw		Qty : 1 No.	
Sl. No.	Description	Qty	
<b>1.</b>	<b>Circular Saw</b> with standard and required accessories suitable for Electricals <b>220V, 3Phase, 60 Hz AC supply / 110V, 1 phase, 60Hz AC.</b>	<b>1</b>	
<b>1.1</b>	<b>Technical Specifications :</b>		
1.1.1	Max circular Saw dia		14"
1.1.2	Maximum depth of cut		4.5"
1.1.3	Arbor tilt in deg		45 <sup>0</sup>
1.1.4	Work table size		35" x 22"
1.1.5	Sliding Table size		50" x 11"
1.1.6	Sliding table movement		39"
1.1.7	Circular saw speed		4200 rpm
1.1.8	Main Motor power		3 HP
<b>1.2</b>	<b>Requirements</b>		
1.2.1	Machine lamp – Halogen / LED		
1.2.2	Emergency stop		
1.2.3	Dust collector		
1.2.4	Additional blade (Spare)		2 nos
1.2.5	Hand tools for operating the equipment	1 set	
	Operation/ Service/ Spare parts manual – 2 sets to be sent along with Machine and 1 set to HMTI, Bangalore	3 sets (Total)	
<b>1.3</b>	<b>Colour: Standard</b>		
<b>1.4</b>	<b>Set of mechanical and electrical spare parts for 2 year normal operation.</b> <ul style="list-style-type: none"> <li>• Please indicate the detailed <b>list of spares in Technical bid without price.</b></li> <li>• Please indicate the detailed <b>list of spares with individual prices in Commercial bid only.</b></li> </ul>	1 set	
<b>1.5</b>	<b>Items required for E&amp;C to be supplied with the machine:</b>		
1.5.1	Touch up paint – 1/2 litre each, Brush- ½" – 2 nos., Cora cloth - 2 meters, Cotton waste - 1 kg	1 set	
1.5.2	Initial fill of Hydraulic / Lubrication Oil packed in separate containers & sealed	1 set	
1.5.3	Set of anti vibration mounting pads / Foundation bolts with leveling plates - 1 set	1 set	

**LOT – 3 Set of Tools – Carpentry**

Project: Setting up of Indo Belize Centre of Engineering, Belize			
Ref. No. Sl. No. 9 of Enclosure 1 (DPR Annexure-3)			
Set of Tools Carpentry			
Sl No	Description	Brief Specification	QTY
1	Smooth plane-250 mm lg and 50 mm width of cutter 250 mm lg and 50 mm width of cutter	Body, Frog and lever cap of High grade cast iron, Base and sides of body grounded and polished. Lever cap plated. Cut Iron: High Carbon steel Cap Iron: Good quality steel Handle & Knob: Good Hardwood/ plastic	12
2	Jack plane-355 mm lg and 50 mm width of cutter	Body, Frog and lever cap of High grade cast iron, Base and sides of body grounded and polished. Lever cap plated. Cut Iron: High Carbon steel Cap Iron: Good quality steel Handle & Knob: Good Hardwood/ plastic	12
3	Block plane- 140 mm lg and 35 mm width of cut iron	Body and lever cap of High grade cast iron, Base and sides of body grounded and polished. Cut Iron: High Carbon steel Handle & Knob: Good Hardwood/ plastic	60
4	Block pane -153 mm lg and 40 mm width of cut iron 153 mm lg and 40 mm width of cut iron	Body, Frog and lever cap of High grade cast iron, Base and sides of body grounded and polished. Lever cap plated. Cut Iron: High Carbon steel Cap Iron: Good quality steel Handle & Knob: Good Hardwood/ plastic	36
5	Craftsman plane	210 mm lg and 45 mm width of cut iron	15
6	T bar clamp	45 mm x 19 mm – 3', 4' and 5'	1 each
7	F clamp Heavy weight	Workable length 200 mm, flat size 25 mm, thickness 6 mm	12
8	Hand saw- cross cut	450 mm	12

**LOT – 4 Set of Hand Tools**

Project: Setting up of Indo-Belize Centre of Engineering, Belize				
Ref. No. Sl. No. 10, 11 & 22 of Enclosure 1 (DPR Annexure-3)				
Raw Material / Consumables & Miscellaneous tools				
Sl #	Description	Brief Specification	Make	Qty in Nos
1	Files - Set	Files with following cross sections and lengths fitted with handles. Dimensions are in mm. a. Flat Bastard- 150/350 – 2 Nos b. Flat smooth -150/350 – 2 Nos c. Hand Bastard- 150/350 – 2 Nos d. Hand Smooth- 150/350 – 2 Nos e. Half round Bastard- 150/350 - 2 Nos f. Half round Smooth- 150/350 - 2 Nos g. Square Bastard- 125/350 – 2 Nos h. Square Smooth- 125/350 – 2 Nos i. Round Bastard- 125/350 – 2 Nos j. Round Smooth- 125/350 – 2Nos k. Triangular Bastard- 125/350 - 2 Nos l. Triangular Smooth- 125/350 - 2 Nos m. Pillar Bastard-150/300 – 2 Nos n. Pillar Smooth-150/300 – 2 Nos o. Warding Bastard-100/250 - 2 Nos p. Warding Smooth-100/250 - 2 Nos q. Knife Bastard- 150/300 – 2 Nos r. Knife Smooth- 150/300 – 2 Nos The Set consisting of 36 Nos	ISI marked	1 Set
2	Adjustable wrench	Made of steel, Length: 250mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
3	Adjustable wrench	Made of steel, Length: 150MM	Taparia/ Ambica/Eastman/ Everest or ISI marked	1
4	Adjustable wrench	Made of steel, Length: 200mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
5	Spanner adjustable	Made of steel, Length:200mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
6	Spanner adjustable	Made of steel, Length:300mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
7	Spanner adjustable	Made of steel, Length:250mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
8	Spanner adjustable	Made of steel, Length:150mm Groove on inside corner	Taparia/ Ambica/Eastman/ Everest or ISI marked	2
9	Allen key set	Made of steel Hexagonal short pattern Allen keys of sizes 1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm with black finish, Set of 9 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	10 sets
10	Allen key set	Made of steel Hexagonal short pattern Allen keys of sizes 1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10, 11, 12 & 14mm of steel with black finish, Set of 12 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	8 Sets

**Project: Setting up of Indo-Belize Centre of Engineering, Belize**

Ref. No. Sl. No. 10, 11 & 22 of Enclosure 1 (DPR Annexure-3)

**Raw Material / Consumables & Miscellaneous tools**

Sl #	Description	Brief Specification	Make	Qty in Nos
11	Centre punches	Made of high grade steel with deep knurling on the body for grip of size of Tip dia 4 mm & length 100 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	10
12	Centre punches	Made of high grade steel with deep knurling on the body for grip of sizes a. Tip dia 4 mm & length 100mm b. Tip dia 5 mm & length 150 mm c. Tip dia 3 mm & length 100 mm The Set consisting 3 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	10
13	Prick punch	Made of high grade steel with deep knurling on the body for grip of size of Tip dia 4 mm & length 150 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
14	Circlip pliers set internal	Made of steel, hardened & tempered with holding capacity of 19-60 mm, internal and external type with straight & bent noses of length 180 mm. The Set consisting of 4 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
15	Circlip pliers set external	Made of steel, hardened & tempered with holding capacity of 19-60 mm, internal and external type with straight & bent noses of length 180 mm. The Set consisting of 4 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
16	Circlip pliers set internal / external	Made of steel, hardened & tempered with holding capacity of 19-60 mm, internal and external type with straight & bent noses of length 180 mm. The Set consisting of 4 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
17	Pincer	Made from drop forged steel cutting edges tempered & heat treated of size 150 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	8
18	Combination pliers	Made of steel drop forged, hardened & tempered and perfect grip of size 150 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
19	Pipe Wrench	Made of steel precision machined gripped teeth on jaws and straight shank, provide firm non slip grip of length 300 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	1
20	Pliers Flat Nose	Made of Steel, hardened cutting edges, fine serrated jaws for firm gripping of sizes 140 mm & 200 mm The Set consisting of 2 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
21	Pliers long nose	Made of Steel, hardened cutting edges, fine serrated jaws for firm gripping of size 150 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
22	Pliers Side cutting	Made of Steel, hardened cutting edges, fine serrated jaws for firm gripping of size 150 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
23	Spring pliers	Made of steel with tips hardened & tempered of size 150 mm & 200 mm The Set consisting of 2 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Set
24	Heat sink Pliers	Heat sink with copper jaw of size 80 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	8
25	Box Spanner	Made of steel tubing chrome polished of sizes 6 – 32 mm The Set consisting of 12 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets

**Project: Setting up of Indo-Belize Centre of Engineering, Belize**

Ref. No. Sl. No. 10, 11 & 22 of Enclosure 1 (DPR Annexure-3)

**Raw Material / Consumables & Miscellaneous tools**

Sl #	Description	Brief Specification	Make	Qty in Nos
26	Box Spanner	Made of steel tubing chrome polished of sizes 6.4 – 10 mm The Set consisting of 5 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
27	Box Spanner	Made of steel tubing chrome polished of sizes 4 – 15 mm The Set consisting of 7 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
28	Spanner double ended (Metric)	Made of steel of sizes from 6mm to 32 mm consisting of 12 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
29	Spanners -T-Flex for screwing up and unscrewing in inaccessible position	Made of steel, hex socket spanners of sizes from 8mm to 32 mm consisting of 24 Nos along with suitable sliding T-handle, L handle and extension bar	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 Sets
30	Spanners socket set	Made of steel, hex socket spanners of sizes from 8mm to 32 mm consisting of 24 Nos along with suitable L handle and extension bar	Taparia/ Ambica/Eastman/ Everest or ISI marked	3 Sets
31	Ring Spanners-Set of 14 pieces	Made of steel of sizes 6X7, 8X9,10x11, 10x12, 12x13, 12x14, 14x15, 14x17, 16x17, 17x19, 19x22, 22x24, 24x26, 30x32 mm The set consisting of 14 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
32	Ring Spanners-Set of 12 pieces	Made of steel of sizes 10x11, 10x12, 12x13, 12x14, 14x15, 14x17, 16x17, 17x19, 19x22, 22x24, 24x26, 30x32 mm The set consisting of 12 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
33	Ring Spanners-Set of 4 pieces	Made of steel of sizes 19x22, 22x24, 24x26, 30x32 mm The set consisting of 4 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	1 Set
34	Ring Spanners	Made of steel of sizes 4.7 TO 16MM	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 Sets
35	Chisels – Cold flat	Made of steel, heat treatment for cutting edges / striking end of sizes 150 mm Length x 10 mm cutting edge	Taparia/ Ambica/Eastman/ Everest or ISI marked	8
36	Chisels –flat	Made of steel, heat treatment for cutting edges / striking end of sizes 150mmX13mm cutting edge 150 mm Length x 20 mm cutting edge width and 200 mm length x 25 mm cutting edge width consisting of 3 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 Sets
37	Chisels	Made of steel, heat treatment for cutting edges / striking end of following types a. Octagonal: 200 mm length x 22 mm cutting edge width – 1 No b. Flat: 200 mm length x 25 mm cutting edge width - 1 No c. Pneumatic: 200 mm length x 22 mm cutting width – 1 No d. Flat octagonal: 250 mm x 30 mm cutting edge width – 1 No The Set consisting of 4 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 Sets
38	Chisels – Cold	Made of steel, heat treatment for cutting edges / striking end of cross cut ½ inches.	Taparia/ Ambica/Eastman/ Everest or ISI marked	6
39	Chisels – Cold flat	Made of steel, heat treatment for cutting edges / striking end of size 150 mm length x 19 mm cutting edge width	Taparia/ Ambica/Eastman/ Everest or ISI marked	4

**Project: Setting up of Indo-Belize Centre of Engineering, Belize**

Ref. No. Sl. No. 10, 11 & 22 of Enclosure 1 (DPR Annexure-3)

**Raw Material / Consumables & Miscellaneous tools**

Sl #	Description	Brief Specification	Make	Qty in Nos
40	Diagonal Cutter	Made of steel, hardened & tempered of size 150 mm fitted with cushioned grip handles	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
41	End cutting nipper	Made of steel, hardened & tempered of size 150 mm fitted with cushioned grip handles	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
42	Hammer- Copper	Copper faced 40 mm dia fitted with seasoned wooden handles	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
44	Hammer- Plastic	Plastic faced of 40 mm dia fitted with seasoned wooden handles	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
45	Hammer- Rubber	Made of vulcanized synthetic rubber of face dia 50 mm fitted with seasoned wooden handles	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
46	Hammers	Made of forged steel, hardened & tempered fitted with seasoned wooden handles of following types: a. Ball peen face dia 30 mm – 1 No b. Cross peen face dia 30 mm-1 No c. Straight peen face dia 30mm-1 No The Set consisting of 3 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
47	Hammers	Made of forged steel, hardened & tempered fitted with seasoned wooden handles. Ball peen face dia 30 mm (Appr Wt of 750 gms)	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
48	Hammers- Cross peen	Made of forged steel, hardened & tempered fitted with seasoned wooden handles. Cross peen face dia 30 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
49	Hammers-Ball peen	Made of forged steel, hardened & tempered fitted with seasoned wooden handle. Ball peen face dia 30 mm	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
50	Hammers-Ball peen	Made of forged steel, hardened & tempered fitted with seasoned wooden handle. Ball peen Wt. 450 Gms	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
51	Hammers-Ball peen	Made of forged steel, hardened & tempered fitted with seasoned wooden handle. Ball peen Wt. 220 Gms	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
52	Hammers-Ball peen	Made of forged steel, hardened & tempered fitted with seasoned wooden handle. Ball peen Wt. 300 Gms	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
53	Hammers - Set	Nylon Face Dia. 40 mm Fitted with seasoned wooden handle.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4
54	Knob Type Screw Driver	Length of 100 mm insulated	Taparia/ Ambica/Eastman/ Everest or ISI marked	8
55	Phillips Screw Driver	Made of steel, Phillips type, handle made of plastic with following blade dia and length in mm (sizes) a. Dia 3.0 x 100 – 1 No b. Dia 5.0 x 200 – 1 No c. Dia 8.0 x 250 – 1 No The Set consisting of 3 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets

**Project: Setting up of Indo-Belize Centre of Engineering, Belize**

Ref. No. Sl. No. 10, 11 & 22 of Enclosure 1 (DPR Annexure-3)

**Raw Material / Consumables & Miscellaneous tools**

Sl #	Description	Brief Specification	Make	Qty in Nos
56	Philips Screw Driver	Complete Set in Leather Case	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 Sets
57	Screw driver	Made of steel, handle made of Plastic with following type and size one number each. Type Blade dia & length in mm ----- a. Flat - 6 x 100 & 8 x 200 b. Electrician - 5 x 100 & 5 x 200 c. Reversible - 6 x 100 & 6 x 150 d. Screw driver tester with Neon light of length - 125 & 200 e. Phillips - 3 x 100 & 5 x 200 f. Striking - 3 x 75 & 3 x 150 g. Torx - 3 x 150 & 5 x 200 h. Two in one stubby - 6 x 100 The Set consisting of 15 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	4 Sets
58	Screw Driver	Plastic Handle – 3mm tip 100 mm; 150mm insulated – 2 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 set
59	Screw Driver	Plastic Handle – 6 mm tip 100 mm; 150mm insulated – 2 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 set
60	Screw Driver	Plastic Handle – 6 mm tip 200 mm; 250mm insulated – 2 Nos.	Taparia/ Ambica/Eastman/ Everest or ISI marked	2 set
61	C. Clamp	Made of forged steel with powder coating finish of following maximum opening sizes of 55,105,155 and 205 mm. The Set consisting of 4 Nos	Taparia/ Ambica/Eastman/ Everest or ISI marked	1 Set
62	Oil can	250 ml capacity		5 nos
63	Plumbing pipe bender	Suitable for masonry/plumbing		1 no



**LOT – 5 Set of Power tools - Carpentry**

Project: Setting up of Indo-Belize Centre of Engineering, Belize			
Ref. No. Sl. No. 4 of Enclosure 1 (DPR Annexure-3)			
Sl. No.	Item	Brief Specification	Quantity
1	<b>Electrical Heavy duty Hammer Drill</b> - with all standard accessories and Electrical suitable for <b>220V, 3Phase, 60Hz, AC / 110V, 1Ph, supply.60Hz, AC</b>		1
1	Major specifications		
1.1	Drilling Capacity (Steel)	13 mm	
1.2	Drilling range in concrete	4-22 mm	
1.3	Rated Power input	620 W	
1.4	Impact energy	0-2.2 J	
1.5	Rated speed	0-1000 rpm	
1.6	Type	Portable, Reversible	
2	Required Accessories / Spares		
2.1	Impact Drills – Assorted sizes – 4-22 mm		3 sets
3	Set of mechanical and electrical spare parts for 2 year normal operation. (Item wise quantity with price to be provided)		1 set each
4	Operation, Maintenance and spare parts manual		3 sets each

**LOT – 5 Set of Power tools - Carpentry**

Project: Setting up of Indo-Belize Centre of Engineering, Belize			
Ref. No. Sl. No. 7 of Enclosure 1 (DPR Annexure-3)			
Sl. No.	Item	Brief Specification	Quantity
2	<b>Electrical Hand Drill</b> - with all standard accessories and Electrical suitable for <b>220V, 3Phase, 60Hz, AC / 110V, 1Ph, 60Hz, AC</b> supply.		1
1	Major specifications		
1.1	Drilling Capacity (Steel)	13 mm	
1.2	Drilling Capacity (Aluminium)	20 mm	
1.3	Rated Power input	550 W	
1.4	Rated power output	285 W	
1.5	Rated Torque	4.9/2.5 Nm	
1.6	Max Torque	11.5/6.0 Nm	
1.7	Type	Portable	
2	Required Accessories / Spares		
2.1	Drills – Assorted sizes - upto 5-20 mm in 0.5 step		1 set
3	Set of mechanical and electrical spare parts for 2 year normal operation. (Item wise quantity with price to be provided)		1 set each
4	Operation, Maintenance and spare parts manual		3 sets each

**LOT – 5 Set of Power tools - Carpentry**

<b>Project: Setting up of Indo-Belize Centre of Engineering, Belize</b>			
<b>Ref. No. Sl. No. 6 of Enclosure 1 (DPR Annexure-3)</b>			
Sl. No.	Item	Brief Specification	Quantity
2	<b>Electrical Reciprocating saw</b> - with all standard accessories and Electrical suitable for <b>220V, 3Phase, 60Hz, AC / 110V, 1Ph, 60Hz, AC</b> supply.		1
1	Major specifications		
1.1	Type	Portable	
1.2	Usage	To saw wood	
2	Required Accessories / Spares – Additional saw blades – 5 nos		
3	Set of mechanical and electrical spare parts for 2 year normal operation. (Item wise quantity with price to be provided)		1 set each
4	Operation, Maintenance and spare parts manual		3 sets each

**LOT – 5 Set of Power tools - Carpentry**

<b>Project: Setting up of Indo-Belize Centre of Engineering, Belize</b>			
<b>Ref. No. Sl. No. 8 of Enclosure 1 (DPR Annexure-3)</b>			
Sl. No.	Item	Brief Specification	Quantity
2	<b>Electrical Screw Gun</b> - with all standard accessories and Electrical suitable for <b>220V, 3Phase, 60Hz, AC / 110V, 1Ph, 60Hz, AC</b> supply.		1
1	Major specifications		
1.1	Type	Portable	
1.2	Usage	To drive screws- slotted, star, hexagonal etc.	
2	Required Accessories / Spares		
3	Set of mechanical and electrical spare parts for 2 year normal operation. (Item wise quantity with price to be provided)		1 set each
4	Operation, Maintenance and spare parts manual		3 sets each

**LOT – 5 Electric ceramic tile cutter**

<b>Project: Setting up of Indo-Belize Centre of Engineering, Belize</b>			
<b>Ref. No. Sl. No. 21 of Enclosure 1 (DPR Annexure-3)</b>			
Sl. No.	Item	Brief Specification	Quantity
2	<b>Electrical Ceramic tile cutter</b> - with all standard accessories and Electrical suitable for <b>220V, 3Phase, 60Hz, AC / 110V, 1Ph, 60Hz, AC</b> supply.		1
1	Major specifications		
1.1	Type	Portable	
1.2	Usage	To cut ceramic tiles/slates	
1.3	Wheel dia	4"	
2	Required Accessories / Spares – Additional cutter – 5 nos		
3	Set of mechanical and electrical spare parts for 2 year normal operation. (Item wise quantity with price to be provided)		1 set each
4	Operation, Maintenance and spare parts manual		3 sets each

**LOT – 6 TRAINING MATERIAL:**

<b>Project: Setting up of Indo-Belize Centre of Engineering, Belize</b>		
Ref. No. Enclosure 1 (DPR Annexure-4)		
<b>Training Aids</b>		<b>LCD Projector with screen</b>
		<b>Qty: 2 nos.</b>
<b>Sl. No</b>	<b>Feature</b>	<b>Specifications</b>
1	Brightness	30000 ANSI Lumens
2	Contrast Ratio	15000:01:00
3	Projection System	LCD
4	Display Resolution	XGA
5	Lamp Life (Normal / Eco)	5,000 hours / 10,000 hours or better
6	Projection Screen Size	30 - 300 inch
7	Key stone Correction	+/- 30 degree (Vertical) +/- 30 degree ( Horizontal)
8	Focusing	Manual
9	Projection Lens	1.5 X Optical Zoom lens ( Manual)
10	Video Input	RGB mini D-Sub 15 pin X 1, RCA
		HDMI
11	Connectivity	USB
12	Speaker	Integrated
13	Power source	AC 100-240 V, 50/60 Hz
14	Accessories	<ul style="list-style-type: none"> <li>• Suitable Ceiling mounting Kit</li> <li>• 6x8 white Projector Screen</li> <li>• 20 meter Power Cable, 20 meter VGA Cable, 20 meter HDMI and USB Cable</li> </ul>
15	Warranty	1 Year

Project: Setting up of Indo-Belize Centre of Engineering, Belize		
Ref. No. Enclosure 1 (DPR Annexure-4)		
Training Aids		Photo Copier
		Qty: 1 no.
Sl. No	Feature	Specifications
1	Size	A3 Print/Copy/Scan
2	Type	B/W Laser Multifunctional (Reader/Printer Console)
3	Copy speed	A4-20PPM, A3-10PPM
4	Resolution	(1) scan line colour 300x300dpi (2)Copy & Print:600X600dpi
5	Scan features	TWAIN, WIA compatible
6	Supported file format (scan)	PDF/searchable PDF/Compact PDF, BMP, JPEG, TIFF
7	Processor speed	Minimum 400 Mhz
8	memory capacity	Minimum 512 MB
9	Paper handling paper size	A3, B4, A4R, A4,B5R,B5,A5R
10	Paper Input Capacity	Min 250 Sheets
11	Connectivity interface	Network Ethernet 100 BASE-TX/10 Base-T
12	OS Compatibility	All versions of windows and Mac
13	Power consumption	220-240W AC, 50/60 Hz
14	Warranty	1 Year

Project: Setting up of Indo-Belize Centre of Engineering, Belize		
Ref. No. Annexure 1 (DPR Annexure-4)		
Training Aids		Lap Top computer
		Qty: 3 nos.
Sl. No.	Feature	Specifications
	Make	HP/Acer
1	Processor	Latest Generation intel Core i5, 3.1Ghz or higher processor
2	Motherboard	OEM Motherboard
3	Memory	4 GB DDR4 RAM
4	Hard Drive	1TB 5400rpm SATA Hard Disk Drive
5	Optical Drive	DVD RW
6	Audio	Integrated Audio with internal speakers
7	Wireless LAN	Wireless LAN and Bluetooth Ver. 4.0 or latest
8	Ethernet	10/100/1000 MBPS LAN
9	Graphics controller	Integrated
10	Display	15.6" LCD/LED display
11	Input Devices	Key board & Standard Touchpad
12	Interfaces	3 USB (1*USB 3.0, 2*USB 2.0) or higher ports, 1x RJ45 port, 1 x VGA port, 1x HDMI port, Media Card reader, microphone, head Phone jack
13	Battery	4 cell Lithium Ion battery upto 4 hrs back up
14	Operating System	Pre Loaded Windows 10 Professional Edition (64-bit )
15	Antivirus	Pre-Loaded with Latest version Licensed Antivirus Symantec/ MacAfee /Kaspersky/Quick Heal/Trend Micro/e-Scan
16	Accessories	Back Pack and AC Adaptor should be supplied
17	Warranty	1 Year

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