



Phone & Fax : 0376-2320074  
 E-mail : hrhpowiet@gmail.com  
 Website : [www.powietjrt.org](http://www.powietjrt.org)

**GOVT. OF ASSAM**  
**OFFICE OF THE PRINCIPAL, HRH THE PRINCE OF WALES INSTITUTE OF**  
**ENGINEERING & TECHNOLOGY, JORHAT**

Ref: No. POW/NEQIP/2016/ 1716 -B

Date: 27-07-2016

**NOTICE INVITING TENDER (NIT)**  
**FOR SUPPLY & INSTALLATION OF MACHINES & EQUIPMENTS TO HRH THE PRINCE OF**  
**WALES INSTITUTE OF ENGG. & TECH. UNDER AICTE-NEQIP-II PROGRAM**

The Principal, HRH The Prince of Wales Institute invites quotation for supply & Installation of Machines & Equipment as per details at ANNEXURE-IV, in **Two Bids** to reach the undersigned on or before 20-08-2016.

Sl. No.	Reference no.	Items	Qty	EMD (Rs.) in the form of DD (to be submitted with Technical Bid)	Tender Document Fee (Rs.) in the form of DD (to be submitted with Technical Bid)
01.	POW/NEQIP/2016/1716-B Date: 27-07-2016	<b>Supply &amp; Installation of Machines &amp; Equipments to be installed at POWIET, Jorhat</b>	<b>One package</b>	@2%	500.00 (non-refundable)

(1). Last date & Time for Submission: 20 /08/2016 (14.00 HRS)

(2). Date/Time for Opening of Tech. Bids: 23/08/2016 (14.30 HRS)

After evaluation of technical bids, financial bids of the successful bidders will be opened on a later date which will be notified in the Institute website

Venue of Bid Opening: At Office of HRH The Prince of Wales Institute, Jorhat, Assam

**BID INSTRUCTION:**

**01.** Quotations will have to be submitted in TWO Bids. The address of the firm submitting the quotation and the Officer to whom the quotation is addressed must appear distinctly on sealed covers. Further, on sealed cover, the following are to be written:

**QUOTATION FOR SUPPLY & INSTALLATION OF MACHINES & EQUIPMENTS TO POW INSTITUTE, JORHAT UNDER AICTE-NEQIP-II.**

NIT REF NO. ...., Dt.....

**02 Submission of Compliance Certificate:** Duly filled and signed Compliance Certificates (as per formats at **Annexure I( A & B)** are must with the Technical bid.

**03. Bid not transferable:** The bid documents are not transferable and the seal and signature of the authorized official of the firm must appear on all the papers and envelopes submitted.

**QUALIFICATION REQUIREMENTS**

1. The Bidder should be a firm of reputation having sufficient expertise and experience in the subject tender with sound warranty / service support capability and authorization from manufacturers.
2. The Bidder has to Quote for all the items in the NIT. Bidders who do not Quote for all the items are subject to be disqualified.
3. Sealed quotations must be affixed with court fee stamps of Rs. 8.25 (Rupees eight and paisa twenty five) only without which no quotation will be accepted.

**NIT TERMS & CONDITIONS:**

01. **Rates:** Rates quoted in the **Price Bid** should be on **DOOR DELIVERY at POWIET, Jorhat basis**, as per details below:

Sl. No.	Particulars	Price/unit
1.	Basic Price (per unit) with installation and commissioning	
2.	Total	
3.	Taxes (pl. give break up)	
4.	Grand Total for door delivery of the item at POW Premises	

Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

02. **Validity of Quotation:** Quoted rates must be valid for **90 days** from the date of quotation.

03. **Warranty:** The quoted equipment and components must be warranted for a minimum of one Year or period specified against the item.

04. **Literature a must:** All the quotations must be supported by the printed technical leaflet/ literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical leaflet/literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.

05. **After Sales Service:** Vendors should clearly state the available nearest after sales service facilities in the region, without which their offers will be rejected.

06. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must enclose valid dealership certificate.

07. **Earnest Money:**

Refundable earnest money deposit (EMD) @ 2% on Total Quoted Price through demand draft drawn in favour of “The Principal, Prince of Wales Institute, Jorhat”, payable at Jorhat, will have to accompany the technical Bid. The EMD of unsuccessful bidders shall be returned after award of contract. EMD of the successful bidder will be released on submission of the Performance. Offers received without Earnest Money or valid Certificate shall be summarily rejected.

08. **Performance Bank Guarantee (PBG):** In case of items with order value of Rupees Five Lakhs (INR 5,00,000/-) and above, the successful bidder shall furnish an unconditional PBG (as per format at **Annexure II**) for 5% of the Purchase Order value from a scheduled Bank of India, after receiving the purchase order. Where the PBG is obtained by a foreign bank, it shall be got confirmed by a Schedule Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Guwahati. The PBG shall guarantee that,

- (a) The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
- (b) The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee.
- (c) This guarantee shall be operative from the date of installation till 60 days after the warranty period.

09. **Delivery:**

a) **Time Limit:** Maximum within 2-4 Weeks from the date of issue of the purchase order.

b) **Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of POWIET user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with, shall form the basis for certifying the receipt in good condition.

c) **Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at POWIET, Jorhat, Assam.

d) **Part Delivery:** Acceptance of part delivery shall be a prerogative of the institute.

10. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the tender bids submitted by vendors will not be binding on POWIET, Jorhat.

11. **Road Permit:** POW Institute will not provide any Road Permit to the Vendors.

12. **VAT deduction at source:** In case of suppliers within Assam, VAT deduction at source, as per Order/ notification of the Govt. of Assam will be applicable.

13. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.

14. **Payment:** Payment will be released only after successful completion of installation and acceptance, Demo and Test run etc.

15. **Enquiry during the course of evaluation not allowed:** No enquiry from the bidder(s) shall be entertained during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative may make enquiries/seek clarification from the bidders. In such a case, the bidder must extend full cooperation. The bidders may also be asked to arrange demonstration of the offered items, in a short period of notice.

16. The acceptance of the quotation will rest solely with the Principal, POWIET, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

17. **Force Majeure:**

If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

- i. Any law, statute or ordinance, order action or regulations of the Government of India,
- ii. Any kind of natural disaster, and
- iii. Strikes, acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.

**18. Applicable Law:**

- (a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Guwahati/Assam.
- (b) Any dispute arising out of this purchase shall be referred to The Principal, Prince of Wales Institute, Jorhat, Assam and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Principal of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

Principal,  
**HRH The Prince of Wales Institute, Jorhat, Assam**

**Encl.: ANNEXURE-I, ANNEXURE-II, ANNEXURE-III & ANNEXURE-IV**

**Annexure –I**  
**A. COMPLIANCE CERTIFICATE FOR NIT TERMS**  
**(To be enclosed in the Technical bid)**

Sl. No.	NIT Terms and Conditions	Yes/No
1.	<b>Rate</b> quoted as per instruction	
2.	<b>Validity</b> of quoted rate for 90 days agreed	
3.	<b>EMD</b> submitted (appropriate certificate enclosed)	
4.	<b>PBG</b> term agreed	
5.	<b>Payment</b> term agreed	
6.	<b>Delivery terms</b> agreed	
7.	<b>Warranty period</b> agreed	
8.	<b>Literature:</b> Printed Literature provided	
9.	<b>Dealership</b> / distributorship certificate (in case of dealers/agents) provided	
10.	<b>Sales Service:</b> address of after Sales Service centre in India (for imported goods)/ in the region provided	
11.	<b>Applicable law</b> terms agreed	

Signature with Seal:.....

Vendor: M/s.....

**B. COMPLIANCE CERTIFICATE FOR SPECIFICATIONS**  
**(One for each item must to be enclosed in the Technical bid)**

Item Sl. No.	Specifications as per Annexure-IV	Quoted Item Specs.*	Complied (Yes/No)

Signature with Seal:.....

Vendor: M/s.....

**\* Vendor must quote the parameter specification of the quoted product in this column and not just copy the specification from the tender call document. Failure to do so will lead to rejection of the tender.**

**Annexure –II**

**PERFORMANCE BANK GUARANTEE**

To:  
The Principal,  
**HRH The Prince of Wales Institute, Jorhat, Assam**

**WHEREAS** ..... (Name of Supplier)  
hereinafter called "the Supplier" has undertaken, in pursuance of Contract No..... dated,.....  
20.... to supply ..... (Description of Goods and Services)  
hereinafter called "the order".

**AND WHEREAS** it has been stipulated by you in the said order that the Supplier shall furnish you  
with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance  
with the Supplier's performance obligations in accordance with the order.

**AND WHEREAS** we have agreed to give the Supplier a Guarantee:

**THEREFORE WE** hereby affirm that we are Guarantors and responsible to you, on behalf of the  
Supplier, up to a total of ..... (Amount of the Guarantee  
in Words and Figures) and we undertake to pay you, upon your first written demand declaring the  
Supplier to be in default under the order and without cavil or argument, any sum or sums within the  
limit of ..... (Amount of Guarantee) as aforesaid, without your needing to prove or to  
show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of.....20.....

Signature and Seal of Guarantors

.....  
.....  
.....  
Date.....20....  
Address:.....  
.....  
.....

All correspondence with reference to this guarantee shall be made at the following address:

The Principal,  
**HRH The Prince of Wales Institute, Jorhat, Assam**

**Annexure –III**

**MANUFACTURERS' AUTHORIZATION FORM**

No.

Dated \_\_\_\_\_

The Principal,  
**HRH The Prince of Wales Institute, Jorhat, Assam**

Dear Sir,

We..... who are established and reputable  
manufacturers of .....having factories at-

.....  
.....

(address of factory) do hereby certify

that.....  
.....

.....(Name of the Authorised Dealer) is our authorized dealer to quote against your  
tender enquiry no

.....,

**Last Date of Submission is:**

No other Company other than ..... (Name  
of the Authorized Dealer) is authorized to quote of our products against this Tender Enquiry

No.....

Yours faithfully,

(Name)  
(Name of manufacturers)

**Annexure –IV**  
**( List of machines, equipment etc of various Departments )**

LIST OF EQUIPMENTS FOR AUTOMOBILE ENGINEERING DEPTT. (NEQIP PHASE 2) 2016.

Sr.	Experiment /Equipment	Technical Specification/Features	Price/Unit
1	2 Stroke Single Cylinder Petrol Engine		
2	Vernier Calliper	Range: 0-300 mm; Graduation 0.02 mm	
3	Digital Calliper Vernier	Range: 0-300 mm; Graduation 0.01 mm	
4	Dial Calliper	Range: 0-150 mm; Graduation 0.01 mm	
5	Cylinder Bore Gauge	Dial Bore Gauge 2-6 <sup>7</sup> / <sub>10005</sub> <sup>7</sup> Gaging engine Cylinder Measuring Hole Indicator	
6	Valve Spring Tester		
7	XEROX Machine	Digital CANON/Konica/Sharp Desktop, A3, Tray 250x2, 20 cpm, copy continuous 999, zoom 25% to 400%, USB 2.0, 600x600 dpi, supporting OS W7,W10 Network printing, colour scan, duplex.	
8	Compressure Gauge (With Adopters)	ITCK 1010 compression tester kit	
9	Valve seat cutter and grinder		
10	Differentia I System	The working of differential gear is shown with the help of actual parts assembled on square iron pipe frame. All the necessary parts of differential gear are shown in actual working form. This model helps the student to understand the working of the differential gear very easily. It is specially made dissectible for demonstration purposes.	
11	Steering System	<p>The working of steering system is shown with the help of actual parts assembled on square iron pipe frame. All the necessary parts of steering system are shown in actual working form. This model helps the student to understand the working of the steering system very easily. It is specially made dissectible for demonstration purposes (Set of 6)</p> <ul style="list-style-type: none"> <li>(i) Rack &amp; Pinion Type Steering System - Actual Working</li> <li>(ii) Worm &amp; Roller Type Steering System - Actual Working</li> <li>(iii) Recalculating Ball Type Steering System - Actual Working</li> <li>(iv) Worm &amp; Sector Type Steering System - Actual Working</li> <li>(v) Tilt, Telescopic &amp; Collapsible Steering System</li> <li>(vi) Power Steering System (Set of 3) <ul style="list-style-type: none"> <li>(i) Electrical Power Steering System - Actual Working</li> <li>(ii) Hydraulic Power Steering System (Motorised) - Actual Working</li> <li>(iii) Power Steering Trainer System - Actual Working</li> </ul> </li> </ul>	



12	Suspension System	<p><b>Front Suspension System ( Set of 3 )</b>  In this model the working of front suspension system is shown with the help of actual parts assembled on a metal stand. All the necessary parts of a front suspension system are shown in actual working form. This model helps the student to understand the working of the front suspension system very easily. It is specially made dissectible for demonstration purposes.</p> <p>(i) <b>Macpherson Type Suspension System</b>  (ii) <b>Double Wishbone Type Suspension System</b>  (iii) <b>Longitudinal Torsion Bar Type Suspension System</b></p> <p><b>Rear Suspension System (Set of 2)</b>  In this model the working of rear suspension system is shown with the help of actual parts assembled on a metal stand. All the necessary parts of a rear suspension system are shown in actual working form. This model helps the student to understand the working of the rear suspension system very easily. It is specially made dissectible for demonstration purposes</p> <p>(i) <b>Leaf Spring Type Suspension System With Rear Rigid Axle</b>  (ii) <b>Rear Independent Type Suspension System</b></p>	
13	Hydraulic Brake Single Drum	Suitably sectionised full size unit. Consisting of original parts such as: - master cylinder assembly, wheel cylinder, brake shoes, brake drums and necessary connections. Completed with operating lever and mounted on heavy iron stand.	
14	Clutch System	<p>(i) <b>Coil Spring Type Single Plate Clutch - Actual Working</b>  The working of coil spring type clutch is shown with the help of actual parts assembled on square iron pipe frame. All the necessary parts of coil spring type clutch are shown in actual working form. This model helps the student to understand the working of coil spring type clutch very easily. It is specially made dissectible for demonstration purposes.</p> <p>(ii) Fluid flywheel or torque converter actual cut Section, it works as a clutch in an automatic Gear box. The working of fluid flywheel or torque converter with actual parts assembled on a square iron frame with all necessary parts.</p>	
15	Cylinder Reboring & Honing Machine	T806A boring diameter 40 to 80 mm, max boring 160 mm spindle speed 486r/min, spindle feed 0.09 mm/r, spindle quick rest 220v/380v motor output 0.25 KW motor speed 1440 r/min, machine weight 80 kg.	
16	Vacuum Gauge (with Adopters)	Size : 100mm Dial Size Range : 0 to 760 mm hg	
17	Morse Test Rig with Dynamometer	With 4 cylinder petrol engine with rope brake Dynamometer assembly and it should have provision to cut of power supply or fuel supply to individual cylinder one at a time with all accessories should be mounted on a metal frame (actual working mode)	
18	Viscometer/ Viscosity Tester	Redwood Viscometer No. 1 (thermometer) Electrically heated model as per I.P.: 70 with S.S. Jet & energy regulator control ( Viscosity below 2000 second ).	

19	Bomb Calorimeter	With Bomb & digital thermometers Apparatus consists of : a) Bomb vessel of 19 liter. Capacity. With stainless steel Body b) High Pressure valve - 1 No. c) Electrode Set - 1 No. d) Electric Stirrer - 1 No. e) Pellet press - 1 No. f) Ignition Microme wire - 1 mtr. g) Copper pipe fitting - 1 Set h) Pressure Gage - 1 No. i) S.S. 3/6 with threaded top & pressure ring j) high precision digital thermometer of bomb calorimeter	
20	U P S	5 KVA with (12V- 28 AH)x20 nos. SMF battery.	
21	Laser Printer	HP, MFP-LJ1136	
22	Digital Multimeter	Digits: 6 ½ Expansion channel: 10 DC Volts Sensitivity: 100nV Maximum Reading: 1000V Basic Accuracy: 0.002% AC Volts (TRMS) Sensitivity: 100nV Maximum Reading: 750V Basic Accuracy: 0.05% Bandwidth: 3 Hz – 300kHz Ohms Sensitivity: 100μΩ Maximum Reading: 120MΩ Basic Accuracy: 0.008% DC Amps Sensitivity: 10nA Range Spam: 10 mA3 A Basic Accuracy: 0.03% AC Amps (TRMS) Sensitivity: 10μA Range Spam: 1 A3 A Basic Accuracy: 0.1% Bandwidth: 3Hz5 kHz General Features Interface: GPIB; RS-232 Reading Memory: 1024 rgd. Maximum speed: 2000 rdg/s Temperature Meas.: T/C Language Emulation: 8840/42, 196/199	
23	Self Starter	Shown with the help of actual parts assembled, necessary parts of self starter shown in actual working form. This model helps the student to understand the working of Self starter very easily. It is specially for demonstration purpose.	
24	Alternator	Shown with the help of actual parts assembled, necessary parts of Alternator shown in actual working form. This model helps the student to understand the working of Alternator very easily. It is specially for demonstration purpose.	
25	Projector	3200 or more ANSI LUMENS with wireless facilities.	
26	Rear Axle	Rear axle with differential with full floating actual cut section. This model helps the student to understand the working of the rear axle system very easily.	

27	Wankel Engine	These models demonstrate the principle and operation of Wankel rotary engine. It should have cut way to show the internal construction details and should be mounted on a metal base with printed diagram.	
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Principal,  
**H.R.H.The Prince Of Wales Institute of  
Engineering & Technology, Jorhat**