

**Expression of interest (EOI) for Creation of e-learning portal, payment gateway mechanism, conversion of CBTs to WBTs and uploading thereof.**

**List of qualified firms for submitting the price bids.**

- Canon India
- Prosix Softron Pvt. Ltd., Noida
- G-Cube Webiste software Pvt. Ltd., Noida
- Liquid elearning Services Pvt. Ltd., Noida
- Computer Vision Laboratories (I) Pvt. Ltd., Hyderabad
- Tarang software Tech. pvt. Ltd., Bangalore
- Learning Mate Solution Pvt. Ltd., Level 2, Trade Globe, Andheri Kurla Road, Andheri (East), Mumbai
- Deekha Systems Pvt. Ltd., Pune

**National Power Training Institute  
(A Govt. Of India Organisation)  
Sector –33, Faridabad - 121003**

# **Bid Document**

**For**

**Creation of e-learning portal, payment gateway mechanism,  
conversion of CBTs to WBTs and uploading thereof at  
NPTI-HQ, Faridabad**

**Tender no: 10(1)/NPTI/CP/E learning/2010**

**Dated: 12.11.2010**

**National Power Training Institute  
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Sealed quotations are invited from the qualified firms for the Creation of e-learning portal, payment gateway mechanism, conversion of CBTs to WBTs and uploading thereof at NPTI-HQ, Faridabad.

**Tender schedule:**

<b>Name of work</b>	<b>For Creation of e-learning portal, payment gateway mechanism, conversion of CBTs to WBTs (10 Nos. initially) and uploading thereof.</b>
<b>Estimated value of contract</b>	<b>Rs.5,00,000/-</b>
<b>Earnest Money Deposit</b>	<b>Rs.15000/-</b>
<b>Cost of Tender document</b>	<b>Rs. 500 /- (Non – refundable)</b>
<b>Last date for download of Tender document</b>	<b>Tender document can be downloaded from our website <a href="http://www.npti.in">www.npti.in</a></b>
<b>Last date for receipt of Bids</b>	<b>08 -12 -2010 upto 3.00 PM</b>
<b>Date of opening of Technical Bid</b>	<b>08 -12 -2010 3.30 PM</b>
<b>With whom tender document can be submitted</b>	<b>Director – (Corporate Planning), NPTI – HQ, Sector 33, Faridabad-121003</b>

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**General Conditions for the Work**

1. Tender Document is non-transferable.
2. The firm shall submit an EMD of Rs. 15,000/- along with quotation. The earnest money deposit i.e. Rs.15000/- should be paid in the form of Demand Draft payable at Faridabad in favour of National Power Training Institute, Faridabad or by cash at the cash Section of NPTI, Sector-33, Faridabad (Haryana). Bank Guarantee of the same amount can also be submitted as EMD. Tenders without EMD will be rejected. If the tender is withdrawn during the validity period, the EMD will be forfeited.
3. The original tender papers duly signed and stamped by the authorised signatory on each page should also be enclosed along with the bid.

Tender document should be sent in a properly sealed covers addressed to the Principal Director (CP), National Power Training Institute, NPTI Complex, Sector-33, Faridabad – 121003(Haryana) and superscribed as Tender **Creation of eLearning Portal due on Dt: 08 -12 - 2010 at 3.30 P.M.**

4. The offers received after the due date and time shall not be considered.
5. NPTI reserves the right to reject any or all the offers without assigning any reason thereof and NPTI's decision in this regard shall be final and binding.
6. The tender should be complete in all respects. Full particulars and descriptive literature if any should be forwarded with the price bid.
7. Tender should reach this office not later than 15.00 hrs. on the date of opening of the price bid as stated in the Schedule of Tender.
8. In case of award of contract, the firm is required to deposit the 5% amount of total value of work as security deposit till the completion of the project. The EMD deposited by the firm is to be adjusted against the above amount.
13. The offer should be valid for 60 days from the date of opening of tenders.
14. The original tender papers duly signed and stamped by the authorised signatory on each page shall be submitted along with the offer. The quotation without signature and stamp will be simply rejected.

15. NPTI reserves the right to reject any or all quotations without giving any reason/ notice to the firm(s).
17. The work shall be executed as per the direction and satisfaction of NPTI. Decision of NPTI will be final in all types of works related to the above project.
22. Postal delay or loss of tender in transit will not be responsibility of this office.
23. Telegraphic or Telex / Fax offers will not be considered.
24. If NPTI found that the work done by the firm is not satisfactory, then the work order will be terminated & EMD will also be forfeited.
25. The lowest bidder shall not have any right for award of the contract. NPTI reserves the right of awarding the project to any of the firm keeping their merits/ demerits in mind.

26. Award of the contract

After bid evaluation and completing the discussions/ negotiations (if any), NPTI will issue a Letter of Intent to the selected Bidder.

27. Proprietary of NPTI

All the plans, documents, animations, voiceover files, reports and WBTs etc. prepared by the selected bidder for NPTI shall become and remain the property of NPTI and the selected bidder shall later upon completion of the work deliver all such document, executable code of softwares, source codes, files etc. to NPTI.

28. Standard of performance

The selected bidder shall perform their duties & obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices and shall observe sound management practices and employ appropriate latest technology trends.

The bidder shall always act in respect of any matter relating to the development of portal, as faithful adviser to NPTI, and shall all the times support and safeguard NPTI's legitimate interests.

29. Conflict of Interest

The resources deployed by the bidder shall hold NPTI's interest paramount, without any consideration for the future work, and strictly avoid conflict own interest with other assignments or their own interest. If during the period of this assignment, a conflict of interest arises for any reasons, the same shall be disclosed to NPTI and seek its instructions.

### 30. Confidentiality

1. Except with prior written consent of NPTI, the bidder and its personnel shall not any time communicate to any person or entity confidential information acquired in the course of the work, nor shall the bidder and its personnel make public the recommendations formulated in the course of, or as a result of, the work.
2. The bidder shall not sub contract, share, transfer or assign the work to other bidder.
3. Progress of the work will be reviewed / monitored every week.
4. The bidder will use its endeavours to keep confidential the passwords or the other security information relating to the software, website etc. and ensure compliance with NPTI's strategic and security requirements to protect the authenticity and integrity of the website.

31 Training: The vendor shall organize a training programme for officers & employees of NPTI in order to understand the E portal and enable them to carry out regular updates.

32 Documentation: The vendor shall provide two hard copies of the eLearning portal including the details regarding E portal website updation and maintenance.

### 33 Mode of Payment:

- 20% Payment will be released on successful creation, implementation and hosting of eLearning web portal with payment gateway
- 70% Payment will be released on successful conversions/ development of CBTs into WBTS, and uploading thereof.
- 10% will be released after the expiry of six months from the date of the completion of the work.

34 Period for completion of work: Within 03 months from the date of issue of work order.

35 Warranty: One year after the successful execution of works against any defect reported in workmanship, and any defects/ bugs arise during the period of warranty.

36 The bidder shall not use any part of the portal developed for NPTI in any project without the written consent of NPTI.

37 During the different stages of the project, there might be some suggestions which may help fine tune the project deliverables. These changes should be incorporated within the scope of work.

38 The detailed project plan will be agreed with NPTI before the start of the project.

- 39 Liquidated damages: In the event of unsatisfactory or delayed supply or non supply of any of the materials, the supplier shall be liable to pay damages at the rate of 1% of the price of total order per week subject to a maximum of 5% of the value of the order by way of liquidated damages.
- 40 Settlement of Disputes by Arbitration: Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, claim or things whatsoever, in any way arising out of the works relating to the contract, or the execution, or failure to execute the same whether arising during the progress of the contract or after the completion or abandonment thereof shall be referred to the sole arbitration of the person to be appointed by the Director General, National Power Training institute, Faridabad. The proceeding of the arbitration will be carried out in Faridabad. The decision of the arbitrator so appointed will be final and binding on both the parties.
- 41 The decision of Director General, NPTI will be final in all the matters relating to technical and commercial terms.

(Signature of the Bidder)

(S. K. Choudhary)  
Director  
N.P.T.I.

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**Scope of work but not limited to the following:-**

The scope of work shall include all the necessary work required for the creation of fully functional E – learning portal but not limited to the following:-

**Part I** Creation and uploading of E – learning portal for distance online learning with payment gateway and data records of users

**Part II (a)** Conversion of 50 CBTs to WBTs (Courseware) provided by the NPTI in lots of 10 CBTs

(b) Development of e-content 1000 no. of pages including figures

**Part III** Management of eLearning portal – modify/updating the content of e-portal & e-Courses from time to time, backup, failsafe operation, security implementations for safe online payment, ensuring high availability of portal on payment sharing basis.

**NOTE:** There may be minor variation in quantity in respect of item in part II (a) & (b).



## **Solution approach**

### **Part I**

#### **Creation and uploading of E – learning portal for distance online learning with payment gateway and data records of users**

1. The proposed eLearning portal will be developed with Interactivity. The solution will include content pages made up of text, static graphics/images, and flash based interactions and/or animations. Voiceover and narration also to be incorporated as appropriate. The overall look and feel of the portal for design & quality shall look attractive and reflect the NPTI professional image & branding. An intro animation will be produced in Flash to reflect the theme of the courseware (This can be skipped if required by the user). The portal design guideline/ approach will be as per the agreed design and will be uniformly followed across the entire course.
2. A contemporary look and feel and navigation style shall be incorporated. All information should be available to the users within three - four clicks from the home page. The navigation style must ensure that the user, at all points of time, has access to all the major information heads available in the website. There will be a search the option. It will be the responsibility of the bidder to ensure that all the changes/ bugs reported are removed before moving to next phase of development. Changed in the content and design can be required by NPTI at any phase if the development. Bidder will incorporate such changes/ improvements without any additional cost to the client.
3. Provisions need to be made to upload and store any downloadable files on the website for users to download the file of their choice after paying the requisite charges through payment gateways in NPTI' s account.
4. All the content posted on the portal should survive updates i.e. when new content is added, old content should not be deleted; it should be made inactive and kept in the database for records.
5. The eLearning website should be designed to work equally well on all leading internet browsers and developed using latest tools & softwares.
6. The eLearning website should load a typical web page within 30 seconds on 28.8kbps dial-up modem based on the current hosting environment.
7. The eLearning website should be optimized for 1024x768 screen resolution but should automatically scale itself to fit into any higher screen resolution.

8. There should be system of record keeping which can be access by NPTI.
9. E – Learning portal shall have the following feature, but should not limited to these features only.

- Development of e Portal and payment gateway
- Development of e content and management of the same using LCMS software.
- Management, maintenance and updation of website including e Portal on revenue sharing basis amounting to 7.5% of the total business generated through Payment gateway. This shall also include business Development efforts put in by the firm. The following business revenue shall be taken for into account for this purpose:

- a) Sale of WBTs through payment gateway
- b) Downloading/viewing of e contents
- c) Launching of e training programs as per NPTI's requirements

- Firm shall provide comprehensive solution for planning, delivering, and managing all learning events for both internal and external audiences, including online, virtual classroom and instructor-led courses and much more with full security
- Manage users, courses, instructors, facilities, and generate reports
- Course calendar
- Student messaging and notifications
- Assessment and testing handling before and after testing
- Display scores and transcripts
- Web-based or blended course delivery
- Centralize and automate administration
- Assemble and deliver learning content rapidly
- Auto enrollment (enrolling Students in courses when required according to predefined criteria, such as job title or work location)
- Manager enrollment and approval
- Integration with performance tracking and management systems
- Keep learner profile data
- Management of certification status, completion and conditions
- Security of e - contents

## **Part II**

### **Conversion of initially 10 CBTs to WBTs (Courseware)**

10. NPTI will provide the CDs of the CBTs which will be converted to WBTs. Initially in first stage 10 CBTs will be converted to WBTs. To start with, one CBT will be converted into WBT. After the due approval from NPTI, the remaining other CBTs will be converted into WBTs and there will be uniformity followed in the entire other coursewares. The vender will record the voiceover files from its resources in a professional studio with professional quality of both male & female voice over. These voices have to be approved by NPTI.
11. The courseware will be developed by using latest softwares like Flash, Photoshop, HTML, PHP, Visual Basic, Java Script etc. Widely accepted softwares and tools will be used by the bidder for courseware development. It may be noted that no software will be used which require purchase of software by the user. The bidder shall ensure the uploading and smooth implementation of the e – course on portal. These courses must be created in a way that ensures widespread access and compatibility for the users.
12. User can access the courseware by paying the fees as approved by NPTI using secure payment gateway linked with NPTI's Bank Current Account. However user can see the course outlines without paying any charges.
13. User can download the course by paying the fees as approved by NPTI using secure payment gateway.
14. The courseware will be copy able as is on CD.
15. The courseware will have assessment where primary purpose will be to enforce the learning. The assessment questions will be randomized and will be scored by the section. Pass percentage to be determined based on the threshold defined in the section. The administrator can modify the threshold using web based front end only ( no programming required).
16. The assessment will have
  - a. Random questions with random sequence of options
  - b. Feedback to be provided to the user after attempting the questions

17. After passing the courseware, the certificate will be generated automatically and can be download by the user.
18. Courseware should be in read only mode. However there should be an option for download also. The user can be given option for read and downloadable mode depending upon the payment.
19. NPTI shall acknowledge every week the number of person log on this site and access the courseware.
20. All contents developed/ hosted on e – portal website shall be the proprietary of NPTI and NPTI shall have exclusive right on them for withdrawal/ updation etc.

### **Part III**

**Management of eLearning portal – modify/updating the content of e-portal & e-Courses from time to time, backup, failsafe operation, security implementations for safe online payment, ensuring high availability of portal on payment sharing basis**

21 Bidder shall sign an agreement with NPTI for the Maintenance & Management of eLearning portal which includes modify/updating the content of e-portal & e- Courses from time to time, backup, failsafe operation, security implementations for safe online payment, ensuring high availability of portal on sharing of earning from E - portal basis. The payment exclusively generated through payment gateways shall be taken into account for settlement of vender's share @ 7.5% excluding taxes if any on quarterly basis.

(Signature & seal of the Bidder)

(S. K. Choudhary)  
Director  
N.P.T.I.

## Format for Price bid

S.N.	Details of work	Unit rate (Rs.)	Total amount (Rs.)
1.	Part – I  - Design & development of E - portal and payment gateways and uploading thereof.	Rs.	
2.a	Part – II  - Design & development of E - learning content using LCMS for 1000 pages of A4 size including figures etc and uploading thereof.	Rs.  (Note: Quote unit rate per page of A4 size)	Rs.  (Note: Quote for 1000 pages of A4 size)
2.b	- Conversion of 50 CBTs into WBTs and uploading thereof. Total Data: 5000 MB	Rs.  (Note: Quote unit rate per 10 MB of existing CBT of NPTI)	Rs.  (Note: Quote for 5000 MB of existing CBT of NPTI)
	Total	Rs.	
	Taxes (If any)	Rs.	
	Grand Total	Rs.	

(Signature & seal of the Bidder)