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NATIONAL POWER TRAINING INSTITUTE
(Ministry of Power, Govt. of India)
An ISO 9001:2000 & ISO 14001 Organization

NPTI Complex, Sector – 33
Faridabad - 121003 (Haryana)

Tele fax: +91 129-2272210, 2275475

Website: www.npti.in

e-mail: skr1503@gmail.com

Expression of Interest (EOI)

For

**Supply and Installation of “Operator Training Simulator of
660/800MW Super Critical Technology based Pulverized
Coal Fired Power Plant”**

At

**National Power Training Institute, Faridabad-121003
(Haryana)**

engineers for operation of Super Critical Technology based power plants.

Expression of Interest is invited from interested reputed developers, suppliers having prior experience of developing and supplying the Operator Training Simulators preferably of large capacity coal based power plants with the following requirements:

- a. The reference plant for collection of data to be identified in India by the supplier/bidder.
- b. The collection of entire simulation data as required in the scope of simulation shall be the responsibility of supplier/bidder

Such offers should contain the following information in enclosed formats:

- 3.1 The experience in completion of similar nature of works in past with relevant details and documents such as the copy of work orders with detailed bill of quantity and performance certificates from the users after commissioning.
- 3.2 Availability of plants and equipments required for the said work. The details of such equipments and plant with specifications.
- 3.3 Financial capability in the form of financial turnover and availability of working capital. The Balance sheet of previous financial years.
- 3.4 Technical expertise and availability of skilled manpower for software/Models development with details.
- 3.5 Offer of warranty and operation & maintenance contract after expiry warranty period may also be indicated.

4. **SUBMISSION OF PROPOSAL**

The proposal shall be submitted in one original and two photocopies. The proposal shall also be submitted in CD in soft copy with various application forms in Word format, wherever some photocopies are enclosed with hard copy of proposal, in that case such documents may be given in CD in pdf format.

The proposal should include the following:

- 4.1 Expression of Interest Submission Form as per **Form-1**.
- 4.2 Supporting documents in respect of Average Annual Financial Turnover of the Company as per **Form-2**.

- 4.3 Details of present business activities of the Company, List of simulators developed for thermal power plants and orders in hand **Form-3.**
- 4.4 Declaration of Undertaking as per **Form-4.**
- 4.5 Brief Description of Proposal of Applicant for Proposed Assignment as per **Form-5.**
5. NPTI reserves the right, without prejudice to any other remedies, to reject the proposal forthwith if the applicant has engaged in corrupt or fraudulent practices or is found to have misrepresented the facts or has provided false information/documentation.
6. NPTI reserves the right to accept/reject any or all the offers/proposals without assigning any reason thereof.
7. **SUBMISSION OF PROPOSALS**

The EOI should be submitted to the following address by post or in person
:

**Director (Technical & Projects),
NATIONAL POWER TRAINING INSTITUTE
NPTI Complex, Sector –33, Faridabad – 121 003, INDIA.
Tel: +91 129-2272210, 2275475**

The details are also available at web site www.npti.in

The last date for submission of expression of interest is **23/09/2011** upto **14:30hrs.** and will be opened on the same day at **15:00 hrs.** in due presence of bidders who choose to be present



APPLICATION FORMS

Form 1	Expression of Interest Submission Form
Form 2	Average annual Financial Turnovers
Form 3	Details of Present Business Activities
Form 4	Declaration of Undertaking
Form 5	Proposal of Applicant for Proposed Assignment



FORM 1

EXPRESSION OF INTEREST SUBMISSION FORM

[Date]

From: [Name, address and telephone nos., e-mails of the applicant]

To
The Director (Technical & Projects)
NATIONAL POWER TRAINING INSTITUTE
NPTI Complex, Sector . 33, Faridabad . 121 003, INDIA.
Telefax: +91 129 2272210

Sir,

Subject: Request for Expression of Interest for Supply and Installation of Operator Training Simulator of 660/800MW Super Critical Technology based Pulverized Coal Fired Power Plant

We, the undersigned, are submitting our proposal for Request for Expression of Interest for setting up of 660/800 MW Power Plant Simulator+at National Power Training Institute, Faridabad-121003.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation or false information / documentation contained in it may lead to our disqualification.

We understand, you are not bound to accept any Proposal you receive.

Yours sincerely

Authorized Signature [In full and initials]

Name and Title of Signatory: 0 0 0 0 0 0 0 .

Name of Applicant:

Address:0 0 0 0 0 0 0 0 0 0 ..
0 0 0 0 0 0 0 0 0 0 0

Telephone (Office): 0 0 0 0 0 0 0 0 0 0 ..

Telephone (Mobile): 0 0 0 0 0 0 0 0 0 0 ..

Fax: 0 0 0 0 0 0 0 0 0 0 ..

Email: 0 0 0 0 0 0 0 0 0 0 ..

2.3.3	Date of Contract Order of Supply	
2.3.4	Date of Commissioning and Simulator Ready for Training(RFT)	
2.3.5	Value of Order (in Indian Rupees)	
2.3.6	Main Features of Simulator	
2.3.7	Other Pertinent Information	

3. Detail of Generic Commissioned Simulators, developed and supplied for Coal fired power plants (Please use separate tables for each simulator supplied)

3.1	Client's Detail	
3.1.1	Name of client	
3.1.2	Address of the Client	
3.1.3	Name of Contact Person	
3.1.4	Address	

3.1.5	Contact No.	
3.1.6	Fax No.	
3.1.7	E mail ID	
3.2	Details of Simulator	
3.2.1	Type of Simulator	Super Critical / Sub Critical (Strike out which is not applicable)
3.2.2	Whether the Simulator is Panel or DCS control based	
3.2.3	Approach for Collection of Data for Simulation	
3.2.4	Validation of Data used for simulation	
3.2.5	Date of Contract Order of Supply	
3.2.6	Date of Commissioning and Simulator Ready for Training(RFT)	
3.2.7	Value of Order (in Indian Rupees)	
3.2.8	Main Features of Simulator	
3.2.9	Other Pertinent Information	

4. Detail of Simulators not commissioned but order received

4.1	Client's Detail	
4.1.1	Name of client	
4.1.2	Address of the Client	
4.1.3	Name of Contact Person	
4.1.4	Address	
4.1.5	Contact No.	
4.1.6	Fax No.	
4.1.7	E mail ID	
4.2	Details of Simulator	
4.2.1	Type of Simulator	Super Critical / Sub Critical (Strike out which is not applicable)
4.2.2	Whether the simulator is Real Replica or Generic	Real Replica / Generic (Strike out which is not applicable)
4.2.3	Unit Capacity or other significant Identity of Simulated Plant (If Replica)	
4.2.4	Brief Description of Boiler, Turbine, Generator & Auxiliaries (If Replica)	
4.2.5	Approach for Collection of Data for Simulation (If Generic)	
4.2.6	Validation of Data used for simulation (If Generic)	
4.2.7	Whether the Simulator is Panel or DCS control based	



4.2.8	Date of Contract Order of Supply	
4.2.9	Proposed Date of Commissioning	
4.2.10	Value of Order (in Indian Rupees)	
4.2.11	Main Features of Simulator	
4.2.12	Other Pertinent Information	

Signature of Applicant _____

Full Name _____

Address _____

Form 5

Proposal for Proposed Assignment

1	Name and Address of Bidder	
2	Detail of Consortium partner for the proposed supply if any	
3	Proposal for Assignment	
3.1	Company already has access to data of 800 MW super critical technology based power plant and can develop the simulator of same.	Yes/No (If yes please write brief of proposal in next column)
3.2	Company already has access to data of 660 MW super critical technology based power plant and can develop the simulator of same.	Yes/No (If yes please write brief of proposal in next column)
3.3	Company is in a position of identifying the reference plant of 800 MW and may get the data for simulation in future	Yes/No (If yes please write brief of proposal in next column)
3.4	Company is in a position of identifying the reference plant of 660 MW and may get the data for simulation in future	Yes/No (If yes please write brief of proposal in next column)
3.5	Company can supply generic simulator of 800 MW which can further be developed as true replica on identification of the reference plant.	Yes/No (If yes please write brief of proposal in next column)
3.6	Company can supply generic simulator of 660 MW which can further be developed as true replica on identification of the reference plant.	Yes/No (If yes please write brief of proposal in next column)

3.7	Company can supply generic simulator of 800 MW (If yes, Please also furnish the source of data)	Yes/No (If yes please write brief of proposal in next column)	
3.8	Company can supply generic simulator of 660 MW (If yes, Please also furnish the source of data)	Yes/No (If yes please write brief of proposal in next column)	
4	If simulator is true replica, detail of BTG (Boiler, Turbine-Generator) combination for which Simulator is proposed.		
5	Detail of other BTG Combinations for which the simulator can be developed and commissioned		
6	Hardware Architecture of proposed Simulator		
7	Software Architecture and tools used for simulation		
8	Scope of Models for training including emergency plant operations		
9	Scope and features of Instructor Stations		
10	Brief Detail of DCS System		
11	Proposed List of Documents for Simulator development and Training		



12	Time Period required for commissioning of Simulator from Date of Order	
13	Other Pertinent Information	

 Authorized Signature with Company Seal [In full and initials]

Name and Title of Signatory: 0 0 0 0 0 0 0 .

Name of Applicant:

Address:0 0 0 0 0 0 0 0 0 0 ..
 0 0 0 0 0 0 0 0 0 0 0 0

Telephone (Office): 0 0 0 0 0 0 0 0 0 0 0 ..

Telephone (Mobile): 0 0 0 0 0 0 0 0 0 0 0 ..

Fax: 0 0 0 0 0 0 0 0 0 0 0 ..

Email: 0 0 0 0 0 0 0 0 0 0 0 ..