

Government of Jharkhand
Building Construction Department

Notice for Expression of Interest

The Building Construction Department (BCD), Govt. of Jharkhand, proposes to construct 13 Polytechnic Institutes in different districts of Jharkhand. Construction of the same is likely to be taken up very soon. Each Polytechnic Institute will be built over an area of 10 acres approx. Each Polytechnic Institute campus will include Institute Building (Built up area- 8970 sq m, G+2), Workshop (Built up area- 990 sq m, Ground Floor), Playground (2500 sq m), Hostel (Built up area- 3521 sq m, G+3) & Staff Quarters (2 nos, Total Built up area- 1600 sq m , G+3), Sub Station (Built up area- 95 sqm , Ground Floor), Kitchen Dining (Built up area- 220 sq m , Ground Floor), Underground reservoir/ overhead & pump room.

Expressions of Interest is hereby invited from experienced Consulting firms/Organizations for undertaking structural design of foundation and for preparing DPR only of aforementioned structures based on Structural and Architectural Drawings of Polytechnic Institute Campus already constructed at Silli in Jharkhand and Site Survey & Geo-Technical Exploration reports of other districts will be made available by the Building Construction Department for the aforementioned Polytechnics. Foundation design of all structures built at Silli will be recast for proposed Polytechnic Institute Campuses in other districts as per soil investigation report of those districts. (copy of Structural & Architectural Drawings of Polytechnic Institute at Silli is attached as Appendix 3)

1. The total duration for structural design shall be 1(one) month only **from the date of issue of award letter.**

2. Pre Qualifying Criteria:

- (i) Experienced Consulting firms/Organizations who have experience of at least 3 (three) no of buildings of 5000 sq m each in the last 5 years (proof of experience to be enclosed)
- (ii) The applicant should have an average annual turnover from professional Fees of Rs. 20.00(twenty) lakhs in the last three financial years. (Certified copies of Audited Balance sheet of financial years 2009-10 (provisional), 2008-09 and 2007-08 shall be enclosed with the Technical bid.)

The following will be the escalation factor :

2009 - 2010 - 1.1
2008 - 2009 - 1.21
2007- 2008 - 1.33

- (iii) The firm should have in their permanent employment at least 2 (two) Structural Engineers with each having a minimum B. Tech qualification with 10 years experience / M. Tech qualification having an experience of minimum 5 years. The firm may have in their permanent employment or

access to professionals conversant with Auto Cad. (evidence to be enclosed)

- (iv) The firm/organization shall have at least 3 no of hardware with required software to complete the assignment within the stipulated period. (Proof to be enclosed)
- (v) The firm/Organisation should be in desired field for more than 4 years.

Tender papers may be obtained from the Office of:

Engineer-in-Chief
Building Construction Department
4th Floor, Jharkhand Mantralaya (Project Building)
Dhurwa, Ranchi-834004
Phone-0651
Fax-0651-

from 18/10/2010 to 25/10/2010 on payment non refundable fee of Rs. 2,500 (Two thousand Five Hundred only) in the form of Demand Draft in favour of Executive Engineer, Building Construction Department, Building Division no-2, Ranchi payable at Ranchi on any working day from 10 AM to 5 PM or can be downloaded form the website <http://www.Jharkhand.gov.in> .Website downloaded Tender papers shall be accompanied by Demand Draft for Rs 2,500/- without which the same shall be summarily rejected.

All applications along with the Technical & Financial Bids in two separate sealed covers should be submitted at the above mentioned address not later than 3.00 p.m. on 26/10/2010. Proposals received after 3.00 p.m. on 26/10/2010 shall be summarily rejected. The Technical Bid would be opened on the same day at 3.30 p.m.

Tender documents by post / courier will not be issued/ accepted. Conditional bid shall be summarily rejected. For any clarification, please contact the office of Engineer-in-Chief, (BCD). Building Construction Department will not be responsible for any delay in receiving the proposals and reserves the right to accept/reject any or all proposals without assigning any reason thereof. The firm will be selected as per the qualifying criteria indicated in the Tender document. Application containing false and / or incomplete information is liable to be rejected.

Engineer-in-Chief
Building Construction Department.
Government of Jharkhand

DETAILS TO BE SUBMITTED BY THE APPLICANTS

The application shall be submitted in sealed envelope super scribed "TECHNICAL BID". (Appendix - 1)

A. The following details are to be submitted by the firm/Organisation along with the application in the Technical Bid.

- (i) Name and address of firm/individual along with Registration No. (Annexure 'A')
- (ii) List of completed projects handled during the last 5 years ending 31st March 2010 clearly indicating quantum, cost and scope of work in the prescribed proforma attached (Annexure-B)
- (iii) Organisation chart/List of Technical Staff with bio-data of each staff member (Annexure 'C')
- (iv) Details of infrastructure (Annexure 'D')
- (v) Names of Organisations/ Institutions empanelled with (Annexure 'E')
- (vi) Earnest Money
- (vii) Copy of audited Balance Sheet for the last 3 years.
- (viii) Details of current works in hand including their cost (which are not covered under Sl. No. II above

B. SCOPE OF SERVICES

Scope of work shall include but not limited to following:

Undertaking structural design of foundation and preparation of DPR only for aforementioned structures based on Structural and Architectural Drawings of a Polytechnic Institute Campus already constructed at Silli in Jharkhand, Site Survey & Geo-Technical Exploration reports to be made available by the Building Construction Department for the aforementioned Polytechnics.

1. General Scope of Work

- 1.1. Structural Drawings and Designs calculations for Civil/Structural Elements (for Institute Building (Built up area- 8970 sq m, G+2), Workshop (Built up area- 990 sq m, Ground Floor), Playground (2500 sq m), Hostel (Built up area- 3521 sq m, G+3) & Staff Quarters(2 nos, Total Built up area- 1600 sq m , G+3), Sub Station (Built up area- 95 sq m , Ground Floor), Kitchen Dining (Built up area-220 sq m, Ground Floor), Underground reservoir/overhead & pump room.

The Consultant shall carry out Structural design / drawings work of foundation only based on the Structural & Architectural drawings of Polytechnic Institute Campus at Silli in Jharkhand provided by BCD.

Consultant shall take into account BCD's architectural inputs (including general arrangement plan, sections, elevations and levels, details etc.) and their complete correlation with his drawings for concurrence & consistence.

1.2 Scope of work for Civil/Structural design drawing at Working stage

Structural design & drawings shall cover the following work.

- a) Thorough study of the architectural drawings & input to the architectural drawings considering the requirements of the structural system.
- b) Conclusion on detailed framing plans, structural system for foundations. The structural system shall be worked out so as to achieve an economical and safe design keeping in view the serviceability requirements. Total responsibility in regard to safe and economical structure shall be borne by the Consultant.

1.3 Loads– Complete description of Basic loads, member loads, Earthquake and wind loads including load combinations. This shall also include any special loads like equipment loads, dynamic loads etc. For water containing structures, hydraulic pressures to be considered appropriately.

1.4 Complete structural designs of sub structure; this shall include the designs of footings/rafts etc. so that the design information can be readily converted in to the detailed execution drawings in the following manner:

- (i) Structural design of footings / piles / pile caps/ raft/ mat etc., as the case may be, of all structures based on Soil Investigation Report for all types of loads & load combination as per the relevant IS codes and submission of detailed calculation (including STAAD input & output files).
- (ii) Preparation of detailed drawings of all the structural components in AutoCAD software and submission of the same for approval by Chief Engineer, BCD
- (iii) Correction of structural design and drawings as per approved by Chief Engineer BCD and submission of corrected design and drawings.
- (iv) Any clarification, if required, in course of approval of structural drawings/execution of work.
- (v) Site inspection , if required, at any stage of work.

- 1.5 Detailed execution drawings as well as any revisions their in arising out of site constraints or any other requirements like changes in the other discipline drawings.
- 1.6 All responsibilities for the stability of structure, Structural drawings, compatibility with Architectural drawings, etc. lies with consultant's Organization. A Structural Stability Certificate, in line with project requirement shall also be furnished by the consultant.
- 1.7 Final approved drawings (after approval of the Chief Engineer BCD), in principle, shall be duly signed by the designer & checked by senior Structural Engineer of Consultant Organization before forwarding the same to BCD.

The Consultant along with concerned designer shall regularly attend the meetings on the date specified by BCD, till the completion of the design job, without any extra charges.

- 1.4 Sets for submission of drawings during Working Stage:

Design Calculation & Drawings for approval	:	2 sets + soft copy
	:	
Corrected design calculations & drawings (as approved by Chief Engineer BCD)	:	6 sets + soft copy

1. Design & Drawing (to be made available in 5 sets)

All related Architectural drawings shall be provided by BCD for preparation of structural designs.

C. PRE-QUALIFYING CRITERIA

- (i) Experienced Consulting firms/Organizations who have experience of at least 3 (three) no of buildings of 5000 sq m each in the last 5 years (proof of experience to be enclosed)
- (ii) The applicant should have an average annual turnover from professional Fees of Rs. 20.00(twenty) lakhs in the last three financial years. (Certified copies of Audited Balance sheet of financial years 2009-10 (provisional), 2008-09 and 2007-08 shall be enclosed with the Technical bid.)

The following will be the escalation factor :

2009 - 2010 - 1.1
2008 - 2009 - 1.21
2007- 2008 - 1.33

- (iii) The firm should have in their permanent employment at least 2 (two) Structural Engineers with each having a minimum B. Tech qualification with 10 years experience / M. Tech qualification having an experience of minimum 5 years. The firm may have in their permanent employment or access to professionals conversant with Auto Cad. (evidence to be enclosed)
- (iv) The firm/organization shall have at least 3 no of hardware with required software to complete the assignment within the stipulated period. (Proof to be enclosed)
- (v) The firm/Organisation should be in desired field for more than 4 years.

D. FINANCIAL BID

The Financial Bid should be submitted in the following manner. (Appendix -2)

- (a) Amount in lump sum for one Polytechnic Institute campus (in Rupees) to be quoted in following manner:

Sl No	Item	Rate in Lump sum for one Polytechnic Institute campus (in Rupees)
1	Foundation - footings / piles / pile caps/ raft/ mat etc., as the case may be, of all structures	

- (i) The Fee should be inclusive of all taxes, Royalty, site visits if any, etc including establishment cost. The rate shall be quoted both in words & figures. In case of any discrepancy between the two, quoted rate in words shall govern. **The rates of consultants once quoted, shall be firm & valid for a period of 6 months. BCD may extend this period with the mutual consent.**

E. Earnest Money / Bid Security

The firm/organization shall furnish, as part of the Bid, Bid Security for an amount of Rs 20000/- (Rs. Twenty Thousand only) at the time of submission of proposal along with technical bid document.

The Bid Security shall, at the firm/Organization's option, be in the form of Bank Guarantee / Demand Draft of any Indian Nationalised Bank with a branch located in Jharkhand. It shall be valid for 6 (six) months from the date of opening of bid. Any bid not accompanied by an acceptable Earnest money / Bid Security, shall be rejected by the Employer as non-responsive. The Earnest money / Bid Security of unsuccessful consultant will be returned within 28 days of the conclusion of the bid process. The Earnest money / Bid Security of the successful consultant will be discharged when the firm/organisation has signed the Agreement and furnished the required Performance Security. Period of validity of bid is 6 months. **No interest whatsoever shall be payable to consultant on EMD.**

The Bid Security / Earnest money will be forfeited:

- a) if the firm/organisation withdraws the Bid after its submission during the period of Bid validity; or
- b) in the case of a successful firm/organisation, if the firm/organisation fails within the specified time limit to
 - i. sign the Agreement; and/or
 - ii. furnish the required Performance Security.

F. PERFORMANCE SECURITY

The firm/organisation will furnish within 10 days of the issue of Letter of Acceptance (LOA), an unconditional Bank Guarantee from the Bank (any Indian nationalized bank) with a branch located in Jharkhand for an amount equivalent to 10 % of the total contract value to be received by him towards Performance Security valid for a period of 6 months beyond the date of completion of Civil construction and sign the agreement.

G. SUBMISSION OF BIDS

The E.O.I. should be submitted in two sealed envelopes. 1st envelope marked Technical Bid will contain all details as required in serial A (except financial proposal) along with tender document fees/ earnest money details. 2nd envelope will contain financial proposal marked Financial Bid. Both the sealed envelopes should then be put in a 3rd envelope super scribing the name of work and Name and Address of the firm/organization.

All applications along with the Technical & Financial Bid should be submitted to the Office of Engineer-in-Chief, Building Construction Department, 4th floor, Jharkhand Mantralaya (Project Bhawan) , Dhurwa, Ranchi- 834004 not later than 3.00 p.m. on/...../.2010 The Technical Bid and financial bid would be opened on/...../.2010 at 3.30 p.m. The undersigned reserves the right to accept or reject any or all the applications without assigning any reason thereof.

H. Proposal Evaluation

A two-stage procedure will be adopted in evaluating the proposal. In

the first stage, proof of meeting eligibility Criteria will be verified to assess whether the firm meets the minimum requirement or not. The firms failing to meet minimum requirement will be declared non-responsive. In the second stage, financial proposal of all eligible firms which pass in technical evaluation shall be opened. The work shall be awarded to the firm on the basis of lowest quoted amount for one campus.

- I. The firm/Organisation with the lowest quoted amount shall be called for negotiation.
- J. In case negotiations fail with the firm/organization quoting the lowest amount, the firm with the second lowest quoted amount shall be called for negotiations.
- K. After successful negotiation, Agreement in F2 Form of Contract Agreement shall be entered into with the selected firm/organization for structural design & drawing work in the manner as brought out above in serial 'D'. Contract amount would include cost of design & drawing of Foundation for other Polytechnic Institute campuses based on such negotiated rates, their number depending upon the availability of Survey & Soil Investigation report

Other Conditions:

- L. Any clarifications regarding structural designs & drawings detailing etc. at any point of time, required as per site condition shall have to be made available within reasonable time (at the discretion of BCD) after the query by BCD.
- M. Any delay due to non-response on the said works shall have to be compensated at consultant's risk and cost.
- N. A contact person shall be made available / assigned to respond to any query. Detail of contact person to be given as under :

Name of person _____

Designation _____

Address _____

Contact No. Mobile No. _____ Tele No. _____

Fax No. _____

Email address _____

O. Discussions with BCD and Approvals

The Consultant shall make themselves available at reasonable notice to be present for discussions with BCD officials. The Consultant shall also provide

assistance, advice and information to BCD as may be required from time to time for discussions with other agencies or BCD officials connected with the work without any extra claim.

MEETINGS:-The consultant shall regularly attend the BCD office and/or any other place mentioned in the notice for meetings on the date specified by BCD till the completion of the design job in which the progress made in the works will be discussed and clarifications required if any will be given. All costs incidental to such interaction for meetings shall be to the consultants account and no claim shall be entertained by BCD on this account.

APPROVAL OF WORK:-The Consultant shall get approvals of the work done by him from BCD. However, such approvals by BCD shall not be deemed to absolve the Consultant of the total responsibility of the correctness and soundness of the work and other obligations under this contract.

P. Guarantee And Liability Of The Agency

Liability: The Consultant shall be liable for all consequence of errors and omissions arising from errors solely attributable to Consultant or on the part of their employees to the extent and with the limitation specified by BCD.

ASSOCIATED NECESSARY WORK:-Any other items of work not mentioned specifically in the scope of work but required/felt necessary for the completion of the project as a whole in all respects shall be deemed to be included in the scope as well as in the fee quoted by Consultant and no extra claim shall be admissible on this account.

Q. Ownership of Documents & Copy Rights:

The copyright of Calculation sheets, drawing etc. and other similar documents provided by the Consultant in connection with project/work shall remain vested in BCD. All written material, originated and prepared for BCD under the assigned agreement shall belong to BCD.

The Consultant shall not publish without the written consent of employer or use for purpose other than those for this work, the articles, designs calculations and drawings

S. Changes or Alteration:-

Changes or alterations, as desired by BCD due to site considerations or otherwise as required during the pendency of the contract, will be done by the consultant under their scope of work within the fee already quoted and agreed upon.

T. Correctness and Accuracy of data:-

The Consultant shall be fully responsible for the correctness and accuracy of the data. If any inadequacy is observed in the work performed by them, they shall at their own initiative and at no extra cost to BCD take all steps

necessary to remedy/rectify the said defects or inadequacies. The consultant shall incorporate all the modifications or changes as desired by BCD.

Indemnity :

The Consultant shall fully stand guarantee and indemnify the BCD for designing done by them as also performance and detailing etc. of the works

ii. Code of Practice

The report for all works shall conform to local building bye laws and other state regulation as well as to relevant latest Indian Standard Specifications and/or Standard code of Practice. Where Indian Standards are not available, equivalent International Standards and/or generally accepted sound engineering practices shall be followed. Deviation from BIS recommendations and adoption of other code of practice will require prior approval of BCD in writing all reports, computations etc. shall be submitted in English language and in metric/SI units.

Subletting

Subletting of the works is not permitted.

X. Payment Terms :

The Consultancy fees (as per order value) for above work shall be payable as per milestones listed below:

For Structural Design & drawings

S.No.	Stage of Work	% age of quoted price payable at respective stage of work.
1	Study of Arch. Drawings, Submission of Draft design calculations & drawings for Chief Engineer's approval	35%
2	Submission of final approved detailed Structural design calculations and drawings	65%
	Total	100%

Y. Security deposit:

A security deposit of 10 % of the running bills of stage 1 & 2 above will be retained. This shall be payable after six months from the date of successful completion of construction work.

- Z.** The Consultant will give under taking that all designs will be prepared and furnished to suit the particular local conditions of the site in the most economical manner and at any stage during the progress of execution of the work, if any defect is noticed in the design and drawing, the Consultant shall provide free of cost to BCD fresh design / drawings and other documents with in a period of 7 days from the date of notice issued by BCD in this regard .The Consultant shall also indemnify the BCD against any damage / loss / delay suffered by the BCD due to such defective designs, drawings and other documents supplied by the Consultant.

Appendix-I
(Formats for Technical Proposal)
And Proof of Eligibility

TECHNICAL PROPOSAL

FROM:

TO:

_____	_____
_____	_____
_____	_____
_____	_____

Sir:

Subject: Structural Design & Drawing of Institutes in Jharkhand

Regarding Technical Proposal

I/We _____ firm/Organisation herewith enclose
Technical Proposal for selection of my/our firm/organization for
_____.

Yours faithfully,

Signature _____

Full Name _____

Designation _____

Address _____

(Authorized
Representative)

UNDERTAKING

I / We have read and understood the instructions and the terms and conditions contained In the Tender document. I/We do hereby declare that the information furnished in application and in the supplementary formats is correct of my/our knowledge and belief.

Signature of Applicant

Name(in Block letter)

Complete Postal Address:
& Contact Number

Place:

Date:

Seal of Office

I/We have read the various items and conditions and the same are acceptable to me/us

Date:

Place:

Signature of the Consultant

Full Address:

Office Seal

Proof of Eligibility

Annexure-A

Status of firm with year of establishment

Name of firms with Address	Proprietor/ Partnership	Name of proprietor/ Partners	Year of establishment	Registration no.,

Note: The firm should furnish the proof for above eligibility criteria along with proof for

(a) The proof for Firm's Experience of having an experience of at least 3 (three) no of buildings of 5000 sq m each in the last 5 years (proof to be enclosed)

(b) The firm should have in their permanent employment at least 2 (two) Structural Engineers with each having a minimum B. Tech qualification with 10 years experience / M. Tech qualification having an experience of minimum 5 years. The firm may have in their permanent employment or access to professionals conversant with Auto Cad. (evidence to be enclosed)

(c) Proof for the completed assignment

Authorised Representative

List of Projects completed in the last five years ending March 2010

Sl. No.	Details of work done	Name of Project	Cost of the work	Date of Starting	Date of completion	No of floors	Built up area (in sq m)
(a)	Residential						
(b)	Non Residential						

Authorised Representative

Organization chart/list of technical staff with bio-data of each staff member

	Name	Designation	Qualifications	Total years of Experience	Experience in your firm
Structural Engineers					
.....					

Authorised Representative

Annexure-D

Details of Infrastructure available including Computer hardwares & Softwares

Authorised Representative

ANNEXURE-'E'

Name of Institutions empanelled with year of Empanelment

Sl. No.	Year of Empanelment	Name of Institution

Authorised Representative

ANNEXURE 'G'

Details of current works in hand including their cost (which are not covered under Annexure 'C').

Sl. No.	Type of Project	Name of Project	Cost of the work	Date of start	Date of completion	Details of the Project/Remarks (Salient features of the project)	Built up area (in sqm) with no of floors
(a)	Residential						
(b)	Non Residential						

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Authorised Representative

Appendix-II
(Formats for Financial Proposal)

FINANCIAL PROPOSAL

FROM:

TO:

Sir:

Subject: Providing services for Structural design & drawing for Polytechnic Institutes in Jharkhand

Regarding Price Proposal

I/We _____ firm/Organisation herewith enclose *Price Proposal for selection of my/our firm/organization for _____

Yours faithfully,

Signature _____

Full Name _____

Designation_____

Address_____

(Authorized Representative)

*The Financial proposal is to be filled strictly as per the format given .

Format of Financial Proposal

SI No	Item	Rate in Lump sum for one Polytechnic Institute campus (in Rupees)
1	Foundation - footings / piles / pile caps/ raft/ mat etc., as the case may be, of all structures	

Note: No escalation will be payable during the services. Quoted rate shall be inclusive of all taxes, royalty , site visit if anyetc. Nothing extra shall be paid beyond the quoted amount.

Authorised Representative