

TENDER DOCUMENTS

FOR

**Supply of all materials, fabrication, erection and construction of
a Canteen of 6000 sq ft carpet area using prefabricated steel
structure having roofing with galvalume sheets**



COLLEGE OF ENGINEERING AND TECHNOLOGY

(A Constituent College of Biju Patnik University of Technology)

Techno Campus, Kalinga Nagar,

Bhubaneswar – 751003

0.1 Tender Program Schedule

sl	Particulars	Dead Lines
1	Date of sale of Tender Documents	From 09/07/2013 to 30.07.2013
2	Last Date of Submission of Tender Documents	31/07/2013 by 13.00 hours
3	Tender opening	01/08/2013 at 10.30 Am
4.	Award of tender	By 25/08/2013
5	Time of Completion including all furnishing, fixtures and fittings	2 months from date of award of tender
6	Site clearing of debris, cleaning of premises and handing over the canteen to CET	01/11/2013

0.2 Scope of Works

Supply of all materials, fittings/ fixture, at site, fabrication including fastening/welding/ riveting etc, erection and construction of a Canteen of 6000 sq ft carpet area using prefabricated steel structure having roofing with galvalume sheets, construction of footings, foundations, Brick masonry works in foundation trenches and walls, floor pcc, vitrified tile flooring, tiles on skirting and dados, DPC, inside and outside plastering, applying jk wall putty on inside wall surfaces, inside and outside painting, laying sewerage and sanitary lines and fittings/ fixture, toilet fittings, construction of septic tank, water supply lines and fittings, wash basins and construction of over head water tank, laying electrical cables, fitting lights fans and exhaust fans, aluminum doors and windows. kitchen wash basins, sinks and wash area, waste disposal tank etc complete and 3m wide paving on all sides surrounding the canteen as per final drawing to be submitted by awarded bidder. The scope of works includes supplying of all materials, whatever are required related to the above works. The general arrangement drawings are enclosed at **Annexure-1 to 4** for your reference.

0.3. Eligibility Criteria

0.3.1 The tenderer should preferably be an original manufacture or specialized agency/ authorised supplier of the items of structural steel/ prefabricated steel systems and erector of such structures or PWD/ CPWD registered contractor having experience in such structures.

0.3.2 He should have a minimum of three years' experience in fabrication and erection of prefabricated structural systems/ roofs and construction of sheds along with associated civil works.

0.3.3. He should have executed at least two similar works of value not less than 20 lakhs

Attested copies of certificates/ documents in support of the above and work completion certificates should be enclosed.

0.4 Procedure for Submission of Bids :

a) The Tenderers must submit their bids as required in two parts in separate sealed covers prominently super scribed as Part-I “ Technical Bid” and Part-II “Price Bid” and also indicating on each of the covers the “Tender call Notice No. & Date” and due date and time of submission as mentioned in Tender Cal Notice. Tenderer is advised to inspect the site of the proposed work before submitting the tender.

Part-I (Technical Bid)

Excepting the price schedule, all other schedules, data sheets, details specifications along with drawings of lay out plan, sectional view & elevations of the shed including kitchen, stores, sanitary provision, sitting arrangement, electrifications with lights & fan points and provisions for freeze & A.C , specifications of materials of BIS standard etc. shall be covered in Part-I (Technical Bid).

Part-II (Price Bid)

All indications or matters related to price or financial terms shall be given in Part-II (Price Bid)

b) Both sealed covers Part-I “ Technical Bid” and Part-II “Price Bid” along with requisite EMD as mentioned in should be placed in a third cover along with requisite EMD & cost of Tender documents (separately in the form of DD drawn in favour of Principal, College of Engineering & Technology, Bhubaneswar at any Nationalized Bank payable at Bhubaneswar) , others requisite supporting documents etc. and sealed. This sealed cover must show the name of the tenderer and his address and should be super scribed as "*Tender for supply of materials and construction of Canteen shed using prefabricated steel structure and galvanized sheets*" on the top of the envelope.

c. All the documents submitted must be in the papers showing signature of the tenderer and printed office name of the tenderer on official seal.

d. All the documents must be submitted in a sequential manner with separator/flags to help quick scanning of the topics. Wherever possible, data in tabular form should be given.

e) The sealed cover containing tender documents as per procedure indicated above should be submitted in the tender box located at the Office of the Principal, CET,Ghatikia, Bhubaneswar / Registered Post/Speed Post addressing to the Principal, College of Engineering & Technology, Techno-campus,Ghatikia, Kalinga Nagar, Bhubaneswar-751003 **within the due date and time as stipulated in Tender Call Notice.**

Technical Bid

1. General Information of the Tenderer / Bidder

1.1 Name & Official Address of the firm/Contractor/ company

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Official telephone No:

Fax no:

Email address

2.2 . Address of Registered office with registration no and license no.

2.3 Date of establishment and Registration

Name & Address of Managing Director/ Proprietor

Mobile no:

Email Address

3. List of Enclosures Required with the Tender Documents

Attested Xerox copies of the following should be enclosed with the tender documents, without which the tender shall be declared invalid

- i. Valid Registration document/ papers of the organization/ company
- ii. License for dealing in the supply of requisite materials, erection and construction etc.
- iii. PAN, TAN/ TIN as applicable
- iv. Certificate of Income Tax clearance
- v. certificate of sales tax, service tax clearance
- vi. Bank statement for past two years in support of solvency
- vii. EMD in form of Bank Draft/ Banker's Cheque for Rs: 114000/ (One lakh fourteen thousand) only issued from any nationalised bank in favour of Principal, CET payable at Bhubaneswar

- No interest shall be paid to the tenderer on EMD money.
- In no case, the EMD Money in cash or other forms will be accepted at the time of opening of the bid.
- No request for adjustment of claims, if any against the EMD, will be accepted.
- The EMD of unsuccessful tenderers will be refunded soon after the tenders are finalized. The EMD can be collected by the tenderer personally or by person authorized by the tenderer through letter addressed to the Principal, CET, Ghatikia, Bhubaneswar after the expiry of guarantee period.

vii. Non refundable Bank Draft for Rs: 25000/ as cost of Tender documents

viii. Tender documents duly filled in original format and signed by authorized signatory.

The contents of this tender documents or the format must not be changed. Further any change/ deviation in terms and condition will summarily result in rejection of the tender.

ix. Guarantee certificate for 100 years of life of the structure in the format enclosed at Annexure-5.

Details of Demand Drafts/ Banker's cheques:

s l	Draft no	Issuing Bank & Branch	Date ;	Value in Rs:
1				
2				

4. Schedule of Experience

Table : 1

sl	Name of project Executed	Name and Address of Client	Value of work	Period during which executed	Remarks

5. List of Major Equipment the bidder owns

Table : 2

sl	Particulars	capacity	Qty/ nos	Remarks

6. List of Major Technical Personnel the Bidder's Organisation has

Table : 3

sl	Name & Designation	Highest Qualification	Years of experience	Other information

Use extra sheets, if required.

7. Payment conditions/ Stages

Payment shall be made in the following stages

Stages	On Completion of the item/ work	% of the total quoted price
1	On completion of foundation and brick masonry upto plinth level including filling of sand in trenches and completion of plinth level PCC, including erection of columns upto eaves level	20 %
2	On completion of fabrication and erection, placing of trusses and finishing the roofing.	20 %
3	On completion of Brick walls, flooring, placing/ fitting// fixing Doors and windows	20 %
4	On completion of fitting/ fixing sanitary, sewerage, water supply system, kitchen platforms and racks, waste disposal pits and electrical wiring and all electrical fittings including exhaust fans, ceiling fans, lights etc complete	20%
5	On habitable and functional handing over correcting all initial defects found	10 %
6	On correcting, making ok any material or constructional or structural defects detected and notified to the contractor within 8 months after handing over. These should be corrected within a month	10 %

Any of the above stage payment shall be made after verification and certification of the work by the chairman, Technical committee.

8. Validity

The tender submitted should be valid for at least three months from the date of opening of the tender.

9. GENERAL CONDITION OF CONTRACT

9.1. No deviation or alteration of conditions of contract or format of the tender documents is permitted. This will result in summarily rejection of the tender even if the rates quoted are the lowest.

9.2. The tenderer shall furnish a declaration along with tender that the bidder is not related to any officer of the CET, Bhubaneswar. If later on any date this is found to be false, the contract is liable to be rescinded.

9.3. Verbal clarification and/or any information given by the tenderer or its employees or representatives shall not be acceptable.

9.4. Submission of more than one bid by a particular tenderer under different names is strictly prohibited. In case it is discovered later all the tenders submitted by such tenderer/s would be rejected or contract terminated, if awarded.

9.5. The work awardee or herein after called as contractor shall ensure to complete the execution of the contract within the time of delivery/ construction mentioned in the tender.

No request for extension of time will be entertained.

9.6. The materials used and the construction/ quality of construction/ fabrication shall be as per tender specifications. Any deviation to this effect shall have to be corrected by the contractor.

9.7. The work shall have to be executed strictly in accordance with the drawings, specifications quoted in the tender bids and approved by Chairman, technical Committee, CET

9.8. The water and electricity required for the work shall have to be arranged by the contractor at its own cost. For uninterrupted progress of work, the contractor is advised to keep a Generator set.

9.9. Relevant BIS standards and PWD/PHD Specification of Government of Orissa is to be followed for materials, its quality and consumption and quality of works unless otherwise mentioned in this document.

9.10. The cement to be used for civil work at site should be fresh and of reputed make like IDCOL, ACC, Gujrat Ambuja, JK cement, L&T etc. and should conform to the specifications of relevant Indian Standards.

9.11. All basic materials such as concrete, steel and bricks shall be got tested by the contractor for required design strength as per the relevant standards.

Test certificates for structural steel and reinforcing steel from the manufacturer be submitted for approval. However, they may be checked / tested randomly at any time by designated CET Technical Committee. Members.

9.12. The contractor shall take out due curing of all cement/ concrete and brick works, plastering, flooring etc. for periods required as per BIS codes. Any slack towards the same will be viewed seriously and if in the opinion of the designated member, Technical Committee any damage/ cracks to the works/building is caused due to inadequate curing then such work would be got dismantled and shall have to be re-done by contractor at its own cost.

9.13. TDS as per Govt. of India finance norms shall be deducted from all payments.

9.14. The contractor will abide by all labour laws and will personally be responsible for any casualty / eventuality / accident of any labour dispute during the execution and completion of the work.

9.15. The quantities advertised in the tender are based on tentative estimates, and are subject to change plus or minus 15 %.

9.16. The contractor shall take care of security and pilferage of its materials/ equipment at its own cost and should make due security arrangement for it.

9.17. The contractor at its own cost shall conduct all necessary repairs of defective works within guarantee/ observation period of one year.

9.18. The E.M.D shall be converted to security deposit after award of the work and shall be released only after one year of Guarantee/ observation period after handing over the constructed canteen and completion of satisfactory repairs/ corrections if any.

9.19. The contractor has to deploy a civil engineer at the site for the full period of construction// fabrication for carrying out the work properly. Further, the designated member(s) of technical committee shall supervise all construction/ fabrication activities. Works of each stage are to be approved by this committee. Any defect or corrections recommended by this committee shall be corrected by the contractor at its own cost..

9.20. No claim for compensation for any damage caused by rain or any other natural calamities during the execution of work will be entertained. The contractor is advised to take up suitable insurance for it.

9.21. All safety measures are to be taken by the contractor during the execution till final completion of work by the contractor at his own cost. Group insurance for its labours and staff shall be taken up by the contractor at its own cost. CET does not take any responsibility of any consequences of any even or casualties.

9.22. CET is free to seek any clarification regarding the tender,, work, designs, drawings, fabrication, execution or any activity/ thing as and when required and the contractor is bound to furnish them.

9.23. The CET reserves all rights to reject any / all the tenders partly/fully without assigning any reason thereof.

9.24. The Tenderer has to supply all the prefabricated structure steel including roofing material (galvanized aluminum sheets), joints, connections etc. everything as required for the erection of the canteen structure.

9.28. The Tenderer should specify the make of all materials including electrical, sanitary and PH fittings with a list of all fittings.

9.29. The process of joints/connections like welding / bolting / riveting, etc. is to be mentioned.

9.30 Section details of all structural members of trusses, purlins, columns, ties, etc. along with their spacing be mentioned.

9.31. Penalty

Time of completion should strictly be adhered to. A penalty @ 1% of the total cost per week shall be charged for any delay beyond the specified time of delivery/ construction.

9.32. Price Escalation

No claim for price escalation shall be entertained.

9.33. The scope work narrated under Para 0.2 herein this document is indicative of items of work and shall comprise of all the works as per the final design and drawings. However, the contractor shall be agreeable and have to carry out and finish any additional/ missing work/ items related to the canteen specified at any time during the construction of the canteen at mutually agreeable rates/ prices.

9.34. The ultimate responsibility and liability of correctness of designs and drawings, safety and stability of the structure and guarantee for 100 years life of the structure rests with the contractor. Mere approvals by CET does not alleviate the contractor from its responsibilities and liabilities.

9.35 Solving Disputes:

CET, the tenderer and the manufacturer shall make all efforts to resolve amicably by direct informal negotiation on any disagreement or dispute arising between them under

or in connection with this contract. All disputes arising out of the contract shall be referred to courts under the jurisdiction of the Bhubaneswar court only.

The above terms and conditions except those otherwise agreed upon, shall form a part of the Purchase Order.

Please Sign all Pages of Tender Documents.

10. Tender Specification

The work should conform to the general arrangement Drawings as provided in the tender documents. These drawings are only an initial conceptual ones and are subject to modification as per the final designs, which are to be prepared and submitted by the successful bidder in consultation with the Chairman Technical committee of CET.

The Designs to be submitted by the successful bidder / contractor shall be as per relevant BIS standards and safe and stable with a minimum life of 100years. The safety of design and constructed structure shall be sole liability of the contractor.

Technical Specifications:

10.1 Main Structure : Main skeleton structure with frames and the trusses shall be of prefabricated steel system. The trusses and the columns can be fabricated with the designed structural steel sections. The structural steel, fabrications, fasteners and welding shall conform to relevant BIS specification, which are to be mentioned in the designs and drawings and got approved by the chairman, Technical Committee. The weld ability of the material should be established properly in terms of minimum carbon equivalent.

10.2. Foundation, Hall, Kitchen and Others

The roofing sheets can be made of coated and colored galvalume sheets of with a minimum thickness of 0.5 mm.

10.3. Foundations, column footings and walls : as per the designs approved

10.4. The flooring shall be laid with 1st grade Kajaria or Jhonsons vitrified tiles of 2' x 2' size over the floor PCC and the bed for the tiles. Same grade and color of tiles shall be used in cut pieces for dados to height 1'.

10.5. The walls shall be of 1st class Kiln bunt Bricks in 1;4 cement sand mortar. The external and internal plasters over the walls shall be of 1:4 mortar

10.6. Reinforcing steel shall be of TATA/ Jindal/ SAIL of grade Fe 415 or Fe500 as per the designs approved. All structural steel shall be of TATA/ SAIL OR JINDAL.of design grade (or preferably E310.).

10.7. All structural steel shall be painted with 2 coats of red oxide zinc chromate primer and 2 coats of approved color and quality of enamel paints of make Asian Paints or Burger paints.

10.8. All external surfaces of wall shall be painted with 2 coats of all weather proof paints of Asian or Burger paints of approved color over 1 coat of cement primer. The internal surface of walls shall be painted with 2 coats of 1st grade enamel paint over 1 coat of primer laid over finished surface of JK wall putty.

10.9. Sewer line and nullahs for surface run off around the canteen be laid as per drawing. All sanitary fittings including wash basins, toilet pans, flushing system etc shall be of make Parryware, Hindware or cera. The kitchen sinks shall be of stainless steel of minimum size of 30" x 60" made of sheets of a minimum gauge of 20 or as per BIS specifications.

10.10. Electrical fittings with lights, fans and exhaust fans shall be done as per the electrical drawings to be submitted by the awarded contractor/ tenderer and approved by the Technical Committee chairman. Wiring can be done with cables/ wires of make Finolex/ Havell of required specifications/ gauge/ grade. Ceiling fans and lights can be of make Bajaj or Crompton or Khaitan/Usha. 16" exhaust fans of Almonard / Bajaj shall be provided @ spacing of 5m c/c on all peripheral walls of canteen. All electrical switches and sockets shall be of make CONA (Nice).

Power provision service wire and a suitable earthling also shall be laid for the power requirement of the canteen. The requisite pole within a distance of 20m for the service wire shall be provided by CET free of cost.

The work should be executed though licensed electricians.

10.11 All Doors and windows shall be of aluminum sections with 6mm glass glazing. Mild steel Grills of approximate 2kg/ sft shall be fitted in all window openings and painted as in Para 10.7.

10.12 Test certificates of all materials used in fabrication and construction shall have to be furnished by the contractor as and when required.

10.13 Run off pipes shall be 4" PVC pipes of make Oriplast/ Neelpast

10.14 Pipes for drinking water supply : 1" PVC :pipes for external fittings and ½ " for internal fittings of make Oriplast/ Neelpast

10.15 Pipe fittings like joints, T, L short pieces, unions etc shall be of GI of make TATA/ Jindal

10.16 Bathroom/ Toilet pipes shall be of CPVC of make Supreme or Ashirvad

10.17 All water Taps shall be Jaguar or Hindware (Benelave)

10.18 Minimum Thickness of Galvalume sheets : 0.5 mm ribbed sheets of approved color of make TATA, or Jindal

10.19 Minimum wall thickness of hollow sections to be used shall 3mm

10.20 Over head Drinking water tank shall be of Sintex or comparable of total capacity 10.00 cum (to be provided in maximum of 3 numbers) . These tanks can be put over a staging of height 2.5m above GL and made of structural angle/ channel grillage over supported by Brick pillars.

10.21 Another over ground water tank cum sump of 20 cum be built of Brckworks with inside / outside plastering and .inside cement punning. This shall be fitted with .4 nos of ordinary plastic taps. Pumping system be fitted from this tank to the over head tank, of make Crompton/ Kirloskar motor and pump of 1 HP be fitted here with valves zoloto.

10.22 A buried septic tank of size 2m x 4m x 1.5m (depth) with two manholes be made of brick work with internal and external plastering and inside cement punning. The sewers of toilets be connected to this and cowl be provided.

Declaration

I,, Designation..... hereby declare that the information/ documents furnished here in through these tender papers are correct and true to the best of my knowledge. In case any thing is fund false or any fact relevant to the contents of this tender is kept hidden, our tender shall stand automatically cancelled or if the work is awarded, the order shall be terminated and our security money, EMD etc shall stand forfeited. Further no claim for any payment shall be entertained.

Signature of the Tenderer with official seal

Annexure-5

GUARANTEE CERTIFICATE

1.1 Name & Official Address of the firm/Contractor/ company

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Official telephone No:
 Email address

Fax no:

2.2 . Address of Registered office with registration no and license no.

2.3 Date of establishment and Registration

Name & Address of Managing Director/ Proprietor

Mobile no:

Email Address

I/We, undertake to say and provide guarantee that the canteen building as a whole (expecting the electrical fittings and glasses) shall be designed and constructed for service life of 100 years taking due care in designs for safety against utility, wind, earth quack, cyclones, etc.

Signature of Tender with Seal

Financial Bid

1.1 Name & Official Address of the firm/Contractor/ company

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Official telephone No:

Fax no:

Email address

2.2 . Address of Registered office with registration no and license no.

2.3 Date of establishment and Registration

Name & Address of Managing Director/ Proprietor

Mobile no:

Email Address

Schedule of works

sl	Particulars of works	quantity	Rate per sft	Remarks
1	Supply of all materials, fittings/ fixture, at site, fabrication including fastening/welding/ rivetting etc, erection and construction of a Canteen of 6000 sq ft carpet area using prefabricated steel structure having roofing with galvanized aluminum sheets, construction of footings, foundations, Brick masonry works in foundation trenches and walls, floor pcc, vitrified tile flooring, tiles on skirting and dados, DPC, inside and outside plastering, applying jk wall putty on inside wall surfaces, inside and outside painting, laying sewerage and sanitary lines and fittings/ fixture, toilet fittings, construction of septic tank, water supply lines and fittings, wash basins and construction of over head water tank, laying electrical cables, fitting lights fans and exhaust fans, aluminum doors and windows. kitcjhcn wash basins, sinks and wash area, waste disposal tank etc complete and 3m wide paving on all sides surrounding the canteen. The scope of works includes supplying of all materials, whatever are required related to the above works.	LS over all Area=6000 Sq.ft.		

4.2 PRICES:

- The rates should be quoted in terms of total cost per square feet chargeable for the complete work and not item wise. The quoted price/ rate should include all costs towards transit, freight, loading, unloading, handling, assembling, fabrication, erection at site, furnishing, finishing and all taxes, duties and levies as per statute. No additional cost/ charges on any account shall be paid.

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4.5. Discount:

- Our Institute is a pioneer Government Institution in the field of Teaching and Research in Engineering and allied disciplines and is a non profitable organisation. Any discount in prices and/ or exemption from taxes etc., if available by way of Govt. or company's policies may please be indicated and made available to us.

MANUFACTURER'S WARRANTY

I/We M/sundertake to say that the given canteen structure as a whole including super structure and the foundation with all fittings and furnishing shall be constructed as per the approved designs and drawing satisfying all relevant BIS specifications and tender specifications for all materials, workmanship, quality, design and safety/stability. Any defect/fault detected within the observation period of one year shall be corrected/ replaced free of cost to the CET.

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Signature of the Tenderer