



ICTS

INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

TENDER DOCUMENT

TECHNICAL BID

SALIENT GOVERNING FEATURES OF THE TENDER/ WORKS 2008

(Operative Schedule of Individual Tender)

NAME OF WORK: Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminum glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.

NIT NO: ICTS/TIFR/Civil/Project/07/01/2023-24

Dated: 18th July 2023

*ICTS-TIFR Campus, Survey No. 151, Shivakote
Bengaluru - 560 089.*

Telephone Number: Tel: +91 - 80 - 4653 6000

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INDEX

REFE RENCE	PARTICULARS	PAGE
1	SECTION – 2 : ITEM RATE TENDER & CONTRACT FOR WORKS	3
2	SCHEDULES	
A	Reference to NIT & Tender Documents	5
B	Schedule of materials to be issued to the contractor	5
C	Land earmarked for temporary infrastructures and Tools & plants to be hired to the contractor if any	5
D	Extra schedule for specific requirements / documents for the work if any	5
E	Schedule of AAC block, Plastering, Granite coping, skirting, Structural steel fabrication, Gypsum false ceiling, Aluminum fabrication, toughened glass fixing, Frameless 12mm door fixing, ceiling/vertical masking with fiber cement board and internal/external painting works, Labour, etc. for price escalation.	6
F	VARIABLES IN CONDITIONS AND CLAUSES OF CONTRACT	
	Reference to book of conditions, work / project, and NIT	6
	General rules & directions	6
	Conditions of Contract	5
	Definitions with reference the particular project / work	7
	Clause-1: Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance / WO & Maximum allowable extension beyond the same	7
	Clause-2: Authority for fixing compensation under clause 2	7
	Clause-5: No. of days from the date of issue of WO for reckoning date of start.	7
	Table of Milestone(s)	7
	Clause-6 or 6-A: Applicability of Manual / Computerized billing	8
	Clause-7: Eligibility for interim payment	8
	Clause-10-A: List of testing equipment to be provided by the contractor at site lab	8
	Clause-10 B (ii): Applicability of payment of Mobilization Advance	8
	Clause-10 C: Component of labour in percent of value of work	8
	Clause-10 CA: Materials covered under this clause for escalation	8
	Clause-10CC: Period for applicability of the clause	8
	Clause-11: Specifications to be followed for execution of work	9
	Clause-12: Deviation limits for applicability of this clause 12.2, 12.3 & 12.5	9
	Clause-16: Competent Authority for deciding reduced rates	9
	Clause-18: List of mandatory machinery, tools & plants to be deployed by the contractor at site	9
	Clause-36(i): Requirement of Technical Representative(s) and recovery Rate	9
	Clause-42: Theoretical consumption of materials, permissible variation & Recovery	10
	Recovery rates for quantities beyond permissible variation	10

INTERNATIONAL CENTRE FOR THEORETICAL SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

SECTION - 2 : ITEM RATE TENDER & CONTRACT FOR WORKS

i)	Name of work	Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminium glazing, False ceiling, and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.
ii)	Pre bid meeting	11.00 hours on 08.08.2023
iii)	Date & Time of submission	17.00 hours on 17.08.2023
iv)	Date & Time of opening of technical bid	17:30 hours on 17.08.2023
v)	Submission	<i>Upload documents on GeM Portal</i>

TENDER DOCUMENTS ISSUED TO M/S.

Engineer - Civil

Date of issue:

TENDER

I / we have read and examined the Notice Inviting Tender, Salient Governing Features of the Tender / Work including **Schedules A, B, C, D, E & F, Specifications Books ***, Drawings and Designs, General Rules & Directions, General Clauses of Contract, Special Clauses of Contract & other documents and rules referred to in the **Conditions and Clauses of Contract** and all other contents in the tender documents for the work.

(* Note: The "Specifications / Conditions and Clauses of Contract books" are enclosed)

These books, as required / specified in this "Salient Governing Feature of the Tender / Work" herein below, shall remain part of the tender documents / Contract / agreement to be executed, and signed by both the parties after acceptance of the Tender.

I / we, hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., Schedule of Quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule 1 of General Rules and Directions and in Clause - 11 of the General Clauses of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

Signature of Tenderer with Seal

We agree to keep the tender open for **one hundred twenty (120) days** from the last date of its submission and not to make any modifications in its terms and conditions.

I / we hereby declare that in lieu of EMD, we will submit a Bid Securing Declaration in the format provided in Annexure "A".

I / we hereby declare that I / we shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of Contractor
Postal Address

Dated

Witness

Address

Occupation

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the CENTRE DIRECTOR, ICTS for a sum of Rs...../- (Rupees.....).

The letters referred to below shall form part of this contract Agreement.

- i)
- ii)
- iii)

Signature
Designation

Dated

Signature of Tenderer with Seal

Salient Governing Features of the Tender / Work Proforma of Schedules

SCHEDULE 'A' Reference to NIT & Tender Documents			
SN	TITLE	PARTICULARS	PAGE
1	Changes in conditions of contract	Correction Slip: CDN / C1, C2 & C3	11-23
2	Notice Inviting Tender (NIT) No.	Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminium glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.	
3	Notice Inviting Tender details	i) NIT as uploaded on Website	Yes
		ii) NIT as published in GeM portal.	Yes
		iii) NIT as circulated to pre-qualified Agencies	NA
4	Scope and location of the work:	Enclosed	28
5	List of drawings	Enclosed	28
6	Time Schedule for the work:	Enclosed	30
7	List of changes if any in specifications:		
	a) Specifications for Civil Works – 2015:	Additional: SPN-CVL	29
8	Schedule of Quantities (Enclosed) -	Please refer Financial Bid	

SCHEDULE 'B'				
Schedule of materials to be issued to the contractor				
S. No	Description of item	Quantity	Rates at which the Materials will be charged to the contractor	Place of issue
1	2	3	4	5
1.	AAC blocks, Gypsum materials, Grey Cement in bags.		Contractor's own supply	NA
2.	Aluminum, Structural Steel, RMP adhesive, granite etc.,.		Contractor's own supply	NA
3.	Water for construction purposes		Department supply	NA
4.	Electricity for construction purposes		Department Supply	NA
5	All specified materials		Contractor's own supply	NA

SCHEDULE 'C'			
Land earmarked for temp. infrastructures and Tools & plants to be hired to the contractor			
S.No	Description	Hire charges	Place of issue
1	2	3	4
1.	Area for storage / site office (SCC-11)	As per	Behind Anjatha GH

Signature of Tenderer with Seal

		Clause SCC-11	
2.	Temporary Buildings (SCC-12)	As per Clause SCC-12	Contractor must make their own arrangement. No space available inside the campus.
3.	Labour hutments (SCC-12)	No labor hutment permitted at site/campus.	
SCHEDULE 'D'			
Extra schedule for specific requirements / documents for the work, if any Particularly for Security guidelines, Gate pass, lift, tower crane etc,			Yes.

SCHEDULE 'E'	Reference to the Book of "Conditions & Clauses of Contract" to be followed for this work	As enclosed
Name of Work: Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminium glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.		As per NIT
Estimated cost of work:	Rs. 17,24,000.00	As per NIT
i) Earnest money	Rs.34,480.00.00	As per NIT
ii) Performance Guarantee	3% of tendered value	As per Tender
iii) Security Deposit	3% of tendered value	As per Tender

SCHEDULE 'F'	
General Rules & Directions :	
Tender inviting authority	Center Director, ICTS
Quantity of Items of work to be executed with any price variation.	As per actuals.

DEFINITIONS : (CCC-2008, P. 11)		
2(v)	Engineer-in-charge	Engineer- Civil, ICTS
2(viii)	Accepting Authority	Center Director, ICTS
2(x)	Percentage on cost of materials and labour to cover all overheads & profits	15% (Fifteen percent)
2(xii)	Department	ICTS-TIFR, Grant-in Aid institute under Department of Atomic Energy
9(ii)	Standard Contract Form of Dept.	Item Rate Tender

CLAUSE – 1 (CCC-2008, P.13)	
i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance / WO.	15 days
ii) Maximum allowable extension beyond the period (provided in (i) above.)	7 days
CLAUSE – 2 (CCC-2008, P.14)	

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Authority for fixing compensation under relevant clauses.		Center Director, ICTS	
CLAUSE – 5 (CCC-2008, P.15)			
Number of days from the date of issue of letter of acceptance / WO for reckoning date of start.			15 days
Milestone(s) as per table given below:			
TABLE OF MILESTONE(S)			
Sl. No.	Description of Milestone (Physical)	Time Allowed in days. (From date of start)	Amount to be with-held in case of non-achievement of milestone
1.	Material procurement	10 days	<u>1.5% of the tendered value.</u>
2	AAC block work & Plastering.	15 days	<u>2.0% of the tendered value.</u>
3	Steel Fabrication, Aluminum procurement and anodizing.	30 days	<u>2.0% of the tendered value.</u>
4	Glazing work.	45 days	<u>1.5% of the tendered value.</u>
5	Gypsum false ceiling finishing, and painting.	55 days	<u>1.5% of the tendered value.</u>
6	Disposal of debris, attending snags and handing over.	60 days	<u>1.5% of the tendered value.</u>

Time allowed for execution of work	02 Months
Authority to decide: i) Extension of time ii) Re-scheduling of Milestone	Center Director, ICTS. NA

Clause - 10A (CCC-2008, P. 19)	List of testing equipment to be provided by the contractor at site.		
Drilling machine	Cutting machine.	Grinding machine. Welding machine.	Stagging & scaffolding material.
Additional tools and plants required for completion of work.			
(Mobilisation Advance) – No.			
Escalation – Not applicable.			

Clause – 36(i) Requirement of Technical Representative(s) and recovery Rate						
Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical /	Min. Exp. In yrs.	No.	Rate per month at which recovery shall be made from the contractor in the event

Signature of Tenderer with Seal

			Technical representative)			of not fulfilling provision of clause 36(i).
1	Site Engineer	Diploma - civil	Technical representative	5	1	Rs.30,000.00
2.	Site supervisor	Finishes - Civil works	Supervisor	3	1	Rs.20,000.00

Note: i) Assistant Engineers / Scientific Officer- "C" & above, retired from Govt. services that are holding Diploma, will be treated at par with Graduate Engineers.

ii) The contractor to deploy adequate Nos. of technicians, site supervisors, accounts & office staff, till completion of works.

PE, ICTS

Notes:

1. In the case of any discrepancy between these "Salient Governing Features of the Tender/Work" & the book "Conditions and Clauses of Contract, stipulations given in these "Salient Governing Features of the Tender/Work" shall take precedence.

2. It will be the responsibility of the Contractor to get the character & antecedents of the regular staff & Supervisors, engaged by them, for carrying out the work being awarded to him, verified from the Police authorities and produce the report of the verification to the Security at the gate under intimation to Engineer-in-Charge of the work.

CDN/C-1 : LIST OF CHANGES / MODIFICATION IN THE CCC - 2008

SN	Existing Provision	Modified Provision
1	SECTION - 1: NOTICE INVITING TENDERS	
1.1	Schedule -E Page 6 : Earnest Money Deposit (E.M.D.):	
2	SECTION - 2: ITEM RATE TENDER & CONTRACT FOR WORKS	
2.1	New para is added as second last para , Page 8 : I / We undertake and confirm that eligible similar work(s) has/ have not been executed through another contractor on a back-to-back basis. Further that, if such a violation comes to the notice of the Department, then I/we shall be debarred for tendering in ICTS in future forever. Also, if such a violation comes to the notice of the Department before the date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.	
3	CONDITION OF CONTRACT	
3.1	Date of commencement of work – The date of commencement of work shall be the date of start as specified in Schedule For the 1 st date of handing over of the site, whichever is later, in accordance with the phasing if any, as indicated in the tender document.	
4	GENERAL CLAUSES OF CONTRACT (GCC)	
4.1	In the event of the contract being determined or rescinded under provisions of any of the clause/ condition of the agreement, the performance guarantee shall	

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	stand forfeited in full and shall be absolutely at the disposal of the DIRECTOR-ICTS.
4.2	<p>Clause 1A para 1, Page No. 13</p> <p>The person(s) whose tender may be accepted (hereinafter called the contractor) shall permit Government at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of the gross amount of each running bill till the sum will amount to security deposit of 3% of the tendered value of the work.</p>
4.3	<p>DEVIATION, EXTRA ITEMS AND PRICING:</p> <p>In the case of extra item (s) (items that are completely new, and are in addition to the items contained in the contract), the contractor may within fifteen days of receipt of order or occurrence of the item (s) claim rates, supported by proper analysis, for the work and the engineer-in-charge shall within one month of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.</p>
4.9.2	In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract) the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.
4.10	<p>Carrying out part work at risk & cost of contractor:</p> <p>If contractor:</p> <p>i) At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or ii) Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or</p> <p>iii) Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing on that behalf by the Engineer-in-Charge. The Engineer-in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work/part incomplete work of any item(s) out of his hands and shall have powers to:(a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or(b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor. The Engineer-in-Charge shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by Government because of action under this clause shall not exceed 10% of the tendered value of the work. In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original</p>

	<p>contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor. The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the contractor provided that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the department are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor. Any excess expenditure incurred or to be incurred by Government in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by Government as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Government in law or per as agreement be recovered from any money due to the contractor or any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days. If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract. In the event of above course being adopted by the Engineer-in-Charge the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract."..</p>
4.11	<p>The contractor shall also abide by the provision of the Child labour (Prohibition & Regulation) Act - 1986.</p>
4.12	<p>No labour below 14 years: No labour below the age of 14 (fourteen) years shall be employed on the work.</p>
4.13	<p>LEVY/ TAXES PAYABLE BY CONTRACTOR:</p> <p>i) GST, Building and other Construction Workers Welfare Cess or any other applicable tax or cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect.</p> <p>(ii) The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.</p> <p>(iii) If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Government of India and does not any time become payable by the contractor to the State Government, Local authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.</p>

* * *

Signature of Tenderer with Seal

SPECIAL TERMS AND CONDITIONS

1. Makes of various materials to be used by contractors will be according to the list of approved makes given. No other makes will be used by the contractor.
2. Contractor will first get the sample approved by ICTS Engineer before procuring the material in bulk and incorporating it in the work.
3. Contractor will be paid based on plain running length. No extra measurement factor will be applied for the measurement. If Contractor so desires, he/she can visit the site and see the actual site before quoting.
4. Contractor will arrange all safety measures and Covid -19 guidelines at his own cost and will take all safety measures. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by the Engineer. And in such cases, contractors will be solely responsible for delay and its consequences thereof.
5. Electrical power will be made available; Contractor shall make his own arrangement to take it further to the workplace. Contractor shall take all necessary safety precautions in carrying electrical power as the campus has a residential colony and kids play around.

()
Signature of authorised Officer
With Name, Designation & Company's seal.

Signature of Tenderer with Seal



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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

NOTICE FOR PREQUALIFICATION CUM TENDER

NIT NO.: ICTS/TIFR/Civil/Project/07/01/2023-24 **Dated:** 18th July 2023

Administrative Officer, ICTS-TIFR Campus, Survey No. 151, Shivakote Bengaluru - 560 089, on behalf of the CENTRE DIRECTOR, ICTS, invites sealed tenders (in two bid), from eligible contractors for the work and details as given below:

NAME OF WORK: - Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminum glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.

Estimated Cost Rs. 17,24,000.00

E.M.D.: 34,480.00

Performance guarantee @ 3% + Security Deposit @ 3% of value of tender; Completion Period- 02 (Two) Months.

ELIGIBILITY/ QUALIFICATION: As per PQ documents – Firm shall furnish

GST registration certificate; PAN (Permanent Account Number) & **TIN** (Taxpayer Identification Number) for reference.

The estimated cost for the work is projected to be Rs. 17,24,000.00 (approx.). Time of completion is **02 months**. The interested agencies are required to furnish the following documents for consideration of the issue of “Pre -Qualification Document”. (Joint ventures are not accepted).

- a) Proof of registration with Government / Semi Government organizations like Railways, PWD, CPWD, MES, Private works etc., in appropriate class or having experience in carrying out similar type of works.
- b) Annual turnover as per ITCC or Profit & Loss statement for the last 3 years.
- c) ‘PAN’ reference,
- d) TIN reference,
- e) Latest Bank Solvency Certificate
- f) GST registration certificate
- g) Performance Certificates

Signature of Tenderer with Seal

- h) List of similar works in hand and Works carried out by them for the last seven years indicating the Agency for whom executed, Value of work, Completion time: Stipulated & Actual or present position of the work.
- i) List of Technical staff they possess.
- j) List of construction plants, machinery & infrastructure facilities they possess.

Agencies fulfilling following criteria shall be eligible to participate:

- (a) Experience of having successfully completed any of the following works during last seven years ending 31-03-2023
 - (i) 3 similar works completed costing not less than Rs.6,89,600.00 each; or 2 similar works completed costing not less than Rs.10,34,400.00 each; or 1 similar work completed costing not less than Rs. 13,79,200.00 and
 - (ii) One completed work of any nature (either part of (i) above or a separate one) costing not less than Rs. 13.79 Lakhs with some Central/State Government/ Central Autonomous Body/ Central Public Sector Undertaking
 - (iv) Bank Solvency Certificate of Minimum Value Rs. 6.89Lakhs.
 - (v) Average Annual turnover during the last 3 years ending 31.03.2023 should be at least Rs. 17.24 Lakhs.
 - [vi) Not having incurred any loss in more than 2 years during the last 5 consecutive immediate financial years ending 31-03-2023.

3. TENDER IS UPLOADED ON GEM PORTAL

4. PROSPECTIVE AGENCIES TO SATISFY THEMSELVES of fulfilling all the NIT criteria before submission of the tender.

5. PRE-BID MEETING shall be held at **11.00 am** on **08.08.2023** at the office of and with prior intimation to Project Engineer, ICTS, TIFR at Survey No.151, Shivakote Hessarghatta, Hobli, North Bangalore.

6. SUBMISSION OF TENDER: Tender documents shall be uploaded on GeM Portal by 17:00 hrs on **17.08.2023**

The documents shall consist of following:

A) TECHNICAL BID

- 1) *Eligibility Credentials as stipulated under para 2 above.*
- 2) *Technical Bid of the Tender Document*
- 3) *Tender Drawings.*

B) FINANCIAL BID in the BOQ format provided

7. THE DEPARTMENT RESERVES THE RIGHT to verify the particulars furnished by the applicant independently and accept/ reject the tender without assigning any reason thereof. Short listing of the agencies shall be subject to thorough verification of their credentials and inspection of works carried out by them, through a Technical Evaluation Committee of experts, constituted by ICTS.

Signature of Tenderer with Seal

8. IF ANY INFORMATION FURNISHED by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering / taking up works in ICTS. ***(Please contact on (080) 4653 6000; Fax: (080) 4653 6002 for more details).***



NIT FOR CONTRACTING AGENCIES

NIT NO.: Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminum glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.

1. International Centre for Theoretical Sciences (ICTS) -TIFR invites Pre-qualification applications from reputed, qualified, experienced, and financially sound Engineering construction agencies for “Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminum glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru”. Estimated Cost **Rs. 17,24,000.00**, Completion Period **02(Two) Months**.

Last date & time for upload of Tender documents **17.08.2023 up to 17:00 Hrs.**

For further information/clarifications please contact Shri Mohan Ph: 9164752581, e-mail mohan.gowda@icts.res.in or Rajalakshmi S Ph: 080 4653 6027 / 99161 90935, **e-mail:** purchase@icts.res.in

SCOPE AND LOCATION OF WORK

1. LOCATION: ICTS project site at Survey No. 151, Shivakote village, Hesaraghatta Hobli, North Bangalore.

SCOPE OF WORKS: Scope of work includes the following.

1. AAC concrete block work
2. Plastering work
3. Structural/Aluminum fabrication work,
4. Glazing work.
5. Gypsum false ceiling work.
6. Plastering, finishing, and painting work.

Signature of Tenderer with Seal

International Centre for Theoretical Sciences

Name of work :- Providing and construction of AAC blocks, Granite laying, Structural fabrication, Aluminium glazing, False ceiling and painting works at proposed new office space at connecting corridor ICTS-TIFR campus, Shivakote village Bengaluru.

Price Bid (To quote in BOQ format)

SL. NO	DESCRIPTION OF ITEM	Unit	Qty.
1	AAC BLOCKS		
	Providing and laying autoclaved aerated cement block of M/s. Megha lite, M/s. Siporex, M/s. Aerocon or equivalent for masonry works with 100mm thick AAC blocks in super structure at 1st floor level, wall with RCC band if required with approved block laying polymer modified adhesive mortar of M/s. Wallplast, M/s. Siporex or equivalent make all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	Cum	8
2	PLASTERING WORK		
	Note: a) Before commencement of plastering, the area shall be cleaned, wetted and shall be marked with 'Thiyyas' or 'Tapanis' and shall be got approved by the Engineer-in-charge. b) Whenever the electrical contractor/ agency has to fix up switch boxes in walls, necessary Thiyyas or 'Dhadas' shall be arranged prior to plastering so that the electrical boxes are fixed properly in line with the finished plastered surfaces. c) Finishing around the junction boxes shall be done at all floor, level and position to the line, level and right angles as required while carrying out plastering work. d) No extra claim for consumption of plastering material shall be entertained by the department for the plastering done more than the specified thickness shown in the schedule of quantities, to bring the plastered surface to perfect line, level and plumb with adjoining columns and beams. e) Only Ready-mix Mortar of approved make shall be used.		
	Providing and plastering as mentioned below using factory manufactured pre mix/ ready mix of 'Build Well ready mix plaster' of M/s Walplast Products pvt.ltd/ 'Readiplast' of M/s Ultratech Cement Ltd / Readymade polymerised Dry mix Plaster - Silicoplast of M/s. Precise Conchem Pvt. Ltd. or other approved equivalent make, having minimum composition of Cement : Sand as 1:4 using fully treated dry, well graded natural sand conforming to IS 383 suitable for external plastering, having low rebound properties, low water demand for curing properties, mechanical mixing with water in a metallic tray only to make good consistency as per the specification of the Manufacturer and applied over exterior masonry and concrete surfaces in plain/curved surfaces and all geometric shapes and sizes including making plaster grooves, plaster bands of specified sizes if any, final rendering, including using richer mix for making corners if necessary and making nosing / drip mould in plaster wherever required, at all floors, levels, all heights and locations including scaffolding, preparing the surfaces, finishing and rendering with sponge to correct line, level and plumb, curing/ chemical curing etc. complete as per specification and drawings and as directed by Engineer-in Charge.		
2.1	15 mm thick internal plaster finishing smooth to get uniform plain surface using RMP for all exposed surfaces concrete and masonry works.	Sqm	70
2.2	20 mm thick sand face plaster in two coats for brick/ concrete surfaces (external / internal) (back coat and finishing coat of 10 mm. thick each) with water proofing agent @ 2% by weight of cement or as per manufacturers specifications.	Sqm	35
3	GRANITE WORK		
	Providing and laying 1st quality Steel grey granite coping with 16-18mm thick circular saw cut machine cut, machine polished in all exposed surface in pattern of all geometric shape as per drawings at all floors and levels as specified		

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	laid over M/s. MYK Laticrete 335 Adhesive as per manufactures specification including cleaning and preparing the surfaces for bedding, close jointed and mixing with colour powder/ pigment to get uniform matching shade or equivalent make, including curing, cutting of stone slab, making cut outs, cleaning and finished to line, level, wastage at all levels, lead, heights in single stone bull nosing/ champhering/ half rounding for ledge wall etc. cleaning, curing complete including all materials making required grooves in concrete & masonry and making good after completion , labours etc., all as per specification , drawing and as directed by the EIC.		
3.1	Coping 100mm wide and length not less than 2400mm	Sqm	10
3.2	Providing and laying 1st quality vitrified skirting with 8mm/10mm thick all exposed surface in pattern of all geometric shape as per drawings at all floors and levels as specified laid over M/s. MYK Laticrete 335 Adhesive as per manufactures specification including cleaning and preparing the surfaces for bedding, close jointed and mixing with colour powder/ pigment to get uniform matching shade or equivalent make, including curing, cutting of stone slab, making cut outs, cleaning and finished to line, level, wastage at all levels, lead, heights in single stone bull nosing/ champhering/ half rounding for ledge wall etc. cleaning, curing complete including all materials making required grooves in concrete & masonry and making good after completion , labours etc., all as per specification , drawing and as directed by the EIC. Vitrified skirting 50mm height.	RM	100
4	STRUCTURAL FABRICATION WORK		
4.1	Supply fixing all types of Structural steel fabrication work for the following using M/s. Sail OR M/s.Tata welded, riveted, bolted in built up sections for spiral stair case, railings and framed work suspenders, supports, portals frames etc., for spiral stair case & railing following at all floors and locations, heights, including scaffolding, bracing, multi level staging, lead etc., gazettes plate, base plate etc. Using specified structural steel sections like angles, tees, flats, bars, chequered plates, sheets Channel/I sections,M.S tubes section/pipes, joists, bolts & nuts,M.s rods, threaded U/J bolts, washers, suitable size anchor fasteners of M/s Hilti or approved make for concrete and masonry, drilling holes in concrete & masonry etc., including supplying, cutting, fabricating, welding, bending to shape,(curved), wastages, hoisting/ erecting, fixing in position, making holes/chases wherever required and fixing /embedding in position in concrete/brick work with necessary hold fasts/ supporting plates, cleats, gazette plate, screws & rawl plugs and finishing the concrete/ brick work after fixing/ embedding including painting one coat Zinc chromate primer over shop coat of approved anticorrosive primer and two coats of synthetic enamel spray paint of approved make and colour on all exposed surfaces over a coat of approved steel primer etc. Complete as per specifications, drawings and as directed.	Kgs	1100
5	FALSE CEILING WORK		
5.1	Providing, fabricating and fixing of suspended false ceiling consisting of 12.5mm thick Gypsum plaster board of M/s Saint gobain suspended on GI framework with staggered joints. GI framework to consist of GI perimeter channels 0.55mm thick 20mm x 30mm along perimeter of false ceiling of ceiling, screw fixed to wall / partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max dist 1220mm c/c with ceiling angle 0.55mm thick 25mm x 10mm fixed to soffit using proprietary supplied GI cleats and steel expansion fasteners. Ceiling section 0.55mm thick web size 51.5mm and flanges 26mm each and 10.5mm lips are fixed to perpendicular to intermediate channel @ 457mm c/c using connecting clips. All including cutout for cassette AC unit as per the requirement etc complete with one or more approved putty and two or more coats premium emulsion paint etc., complete in all floors including lead and lift up to 5 floors.	Sqm	150
6	ALUMINIUM WORK		

6.1	Supplying and fixing in position at all floors integrated approved power coated/silver anodized aluminium section/ profiles [extruded]/slim profile sections for all types of aluminium works for office partitions, sliding windows, doors as per drawing of approved manufactures with extruded sections of Jindal /Hindalco/Ecube and glass of M/s. Saint Gobain or Asahi etc., sections for all openings for frames and shutters [including wastages if any] conforming to relevant I.S specifications all as shown in the drawing, including providing and fixing aluminium channel beading/glazing clips fixed with necessary aluminium anodized screws, grouting the gap with approved PUF/beaker rod and silicon sealant with all arrangements like weather strips, clips etc. to make them completely waterproof and free from rattling and all standard accessories like locks, handles, hinges, screws, nails etc., all complete generally as per drawings, specifications etc., all as directed by Engineer-in-charge.	Kgs	1200
6.2	Providing and fixing 6mm thick toughened glass for all geometrical shape and as per the site condition. All cutting edges of the glass shall be grinded properly for handling etc.,	Sqm	160
7	Providing and fixing frameless 12mm thick clear toughened glass door including approved aluminium fish sections with end cap, SS handles, floor springs, patch locking arrangements of approved make including all materials and labour at all levels, lead & lift at all heights of M/s. Dorma M/s. Ozone or equivalent etc. complete.		
7.1	Single/ Dubble leaf glass doors of appx size 1200mm/1000mm/900mm x 2100mm/2000mm. AS per the site condition.	Sqm	12
8	CEILING/VERTICAL MASKING WORKS		
8.1	Providing and fixing ceiling/vertical masking using 10 mm thick Fiber cement board of make M/s. Shera or M/s. Century plywood or equivalent over the frame work made of MS section with necessary screws for ceiling and vertical masking all as per the directions of EIC at all heights and levels including scaffolding etc., complete. (MS framework will be measured separately in suitable item)	Sqm	80
9	PAINTING WORKS		
9.1	Providing and painting the internal plastered surfaces for walls, ceiling with two coats of premium Emulsion Paint of approved colour over a coat of primer including preparing the surfaces, providing wall care putty in two or more coats to get uniform plain surface, loner, level, scaffolding, double height staging, cleaning etc, at all floors, locations. Heights and lead etc., complete all as per specifications, drawings and as directed by the Engineer-in-charge.	Sqm	150
9.2	Painting external plastered surfaces with one coat of weather coat long life of M/s. Berger paint or equivalent based on PU silicone technology to withstand heavy rain and water repellent or equivalent including providing non shrink having protection against fungal growth, flaking, fading, alkali and UV degradation and to give an even shade with required finish including cleaning the surfaces, applying one coat of primer, filling the crevices with approved filler with non shrink aquatech crack filler of M/s. Fosroc one coat of sealer and upto with scaffolding at all levels, heights, locations and lead etc., complete all as per specifications and as directed by EIC.	Sqm	200
9.3	Painting SHERA BOARD WORK with TWO or more coats of SYNTHETIC ENAMEL PAINT of first quality and approved colour to give an even shade over a coat of synthetic enamel primer including cleaning the surfaces, filling the crevices with approved filler, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc.; complete all as per specifications. (Rate to include cost of synthetic enamel primer, putty also).	Sqm	80
	Grand Total		

GENERAL NOTES:

- 1) The proposed work is located at International Centre for Theoretical Sciences, Tata Institute of Fundamental Research at Survey no.151, Shivakote Village, Hessarghatta Hobli, North Bengaluru. The site is approachable by bituminous road.
- 2) Tenderers are advised to visit the site of work to acquaint themselves and quote the rates accordingly.
- 3) All the items of superstructure include covering the existing steel grey granite till its completion without any extra cost to the Department.
- 4) OPC of recommended brand shall only be used for all masonry and finishing works unless otherwise specified.
- 5) Quoted rate shall hold good for plain/curved/any other geometric shapes & sizes of all structural/RCC members including formworks, masonry, flooring, plastering, painting etc. at all leads, levels, lifts and floors including scaffolding, bracing, multilevel staging etc., unless otherwise specified. Nothing extra shall be entertained towards wastages of materials, additional labours/tools & plants etc. to achieve the required shapes & sizes etc.
- 6) Rates quoted by the contractor shall hold good for the miscellaneous works to make ready for the finishing work for functional use.
- 7) Vehicular movement shall abide by the regulations imposed by the concerned authorities. The contractor shall abide by the security rules & regulations of the Department. The approach roads should be kept clean & free from obstruction for smooth functioning.
- 8) While transporting materials to & from site, and disposal of surplus materials outside the campus, the spilled over materials / debris etc. on the road should be cleaned by the contractor after the day's work is over.
- 9) The following security regulation and COVID19 guidelines shall be followed strictly while movement of labourers / workers / contractor's personnel etc.
 - (i) The contractor shall issue Id-Cards to his workers deployed on regular basis
 - (ii) The supervisor of the contractor having photo pass can bring daily wage workers / casual workers inside campus for work. He should prepare list of such workers in duplicate. The original copy shall be handed over to the representative of the Engineer in Charge at the gate and endorsement obtained on duplicate on daily basis.
 - (iii) The contractor personnel including daily wage workers shall be in uniform with proper identification in order to ease in identification of such persons at unauthorised places.
 - (iv) The daily wage workers / casual workers employed by the contractor must wear florescence visi wear without fail during their presence inside Campus.
- 10) The contractor shall follow strictly the ICTS/TIFR safety rules.
- 11) The drawings issued for tender purpose are preliminary and indicative only. The working drawing shall be issued in phased manner at the time of execution.
- 12) Suitable area near site of work shall be allocated to the contractor for storing construction materials, site office etc. Optimum care shall be taken by the contractor to avoid disturbing the traffic and road around the buildings etc.
- 13) Damage to any existing features, services, building etc. shall be restored back to its original status without any extra cost to department
- 14) All the items include testing after completion of the Work
- 15) In case of any item, in spite of its non - availability in the tender is required to be operated under a particular part of schedule of quantities, the same shall be paid under the similar / relevant item of any other part.
- 16) The contractor shall carry out the work without causing any damages to the existing finished works, In case of contractor causes any damages to finished works, the contractor shall rectify the same at free of cost to the complete satisfaction of the Engineer In charge.
- 17) Water & electricity will be provided free of cost the construction.
 - a) Before commencement of plastering, the area shall be cleaned, wetted and shall be marked with 'Thiyyas' or 'Tapanis' and shall be got approved by the Engineer-in-charge.
 - b) Whenever the electrical contractor/ agency has to fix up switch boxes in walls, necessary Thiyyas or 'Dhadas' shall be arranged prior to plastering so that the electrical boxes are fixed properly in line with the finished plastered surfaces.
 - c) Finishing around the junction boxes shall be done at all floor, level and position to the line, level and right angles as required while carrying out plastering work.
 - d) No extra claim for consumption of plastering material shall be entertained by the department for the plastering done more than the specified thickness shown in the schedule of quantities, to bring the plastered surface to perfect line, level and plumb with adjoining columns and beams.
 - e) Only Ready-mix Mortar of approved make shall be used.

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Note:

1. Damage to any existing installations/ ICTS property shall be restored back to its original status without any extra cost to department.
2. All the installation shall be covered with suitable material before commencement of the work.
3. All debris shall be disposed at all leads & lifts to the identified places by the local statutory authorities.
4. Rates should be inclusive of GST, Labour cess and taxes if any.
5. Work shall be carried out at First and Second floor level.
6. All cuttings, chippings proper machines and tools shall be used.
7. No extra payment will be made for minor dismantling works like plaster, block work, concrete and masonry.

(Rupees

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