

**INDIAN INSTITUTE OF ASTROPHYSICS  
2<sup>nd</sup> BLOCK, KORAMANGALA, SARJAPUR ROAD,  
BANGALURU – 560034.**

## **TENDER DOCUMENT**

***Name of Work:* RENOVATION OF KITCHEN AT CREST  
CAMPUS, I.I.A, HOSAKOTE**

**Tender Notice No. : 14/IIA/CIVIL/BNG/CREST Kitchen/2016-17 Date 27/04/2017**

**Ph.**080-2554 1200/1259/1359 , **Fax:** 25534043  
[astron@iiap.res.in](mailto:astron@iiap.res.in)

**Website:** [www.iiap.res.in](http://www.iiap.res.in), **E-mail:**



**INDIAN INSTITUTE OF  
ASTROPHYSICS  
2ND BLOCK, KORAMANGALA,  
SARJAPUR ROAD,  
BANGALORE-560 034**

**TENDER NOTICE NO: 14 /IIA/CIVIL/BNG/CREST Kitchen/2016-17  
dated 27.04.2017**

The Director, Indian Institute of Astrophysics invites sealed item rate tenders in the prescribed form for the following work from appropriate registered contractors in state PWD, CPWD, MES, Scientific institutions and private body contractors who have executed works of similar nature.

Sl. No.	Name of the work	Estimated cost in Rs.	Time for completion	EMD Rs.	Cost of tender document
1.	<b>Renovation of Kitchen at CREST Campus, I.I.A, Hosakote</b>	12.60 Lakhs	4 Months	26000.00	500=00

The Tender Document can be viewed and downloaded from our website [www.iiap.res.in/tenders.htm](http://www.iiap.res.in/tenders.htm). The interested tenderers may at their option download the same, as **“NO” hard copies of Tender document shall be provided from this office** and submit their offers along with EMD (refundable) & Tender fee (non-refundable) prescribed therein, only in the form of Demand Draft from any commercial banks drawn in favour of Director, IIA. EMD validity should be 180 days.

The Offers containing complete tender document duly filled with price (Bill of Quantities) and complete credentials including experience certificates should be submitted in sealed cover superscribing the envelope with **“Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”**, Notice No. and due date”, shall be submitted addressed to The Director, Indian Institute of Astrophysics, 2<sup>nd</sup> Block, Koramangala, Bangalore – 560 034. **The last date of submission of bid is 19.05.2017 on or before 15:00 hours. The bids will be opened at 15:30 hours** on the same day in the presence of attending tenderers or their authorized representatives.

### **Eligibility Criteria:**

1. The firms who fulfill the following requirements shall be eligible to submit their Bids. Joint ventures are not acceptable.

(i) Tendering Company shall be professionally managed and resourceful for taking up similar jobs. Average annual turnover during last 3 years ending 31.3.2017 should be atleast 30% of the estimated cost.

(ii) The experience of having successfully completed similar work during last 7 years as on 31.3.2017 should be either of the following:

a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost.

OR

b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost.

OR

c) One similar completed work costing not less than the amount equal to 80% of the cost.

### **Other Conditions:**

2. Technical/Commercial/price Bids supported by the above information should be submitted in a Sealed envelope duly superscribed with the name of work, tender notice No., Last date of submission. The completed Bids will be received by this office upto 15:00 Hrs. on 19.05.2017.

3. If any information furnished by the tenderers is found incorrect at a later stage, the firm shall be liable to be debarred from tendering and taking up of work in I.I.A. The Institute reserves the right to verify the particulars furnished by the tenderers.

4. The firms should submit their offers along with EMD/Tender fee of prescribed amount upto 15:00 Hrs. Latest by 19.05.2017. The bids will be opened on the same day in presence of the bidders or their authorized representatives at 15:30 Hrs at I.I.A, Bangalore.

5. Incomplete Technical Bids are liable for rejection.

6. Late & / delayed offer will not be considered.

7. IIA is not responsible for any delay / loss of documents in transit.

8. The Tenders will be opened on **19.05.2017** at 15:30 hours in the presence of bidders or their authorized representatives. The representatives of the tenderers

should bring authorization letter / identification while attending opening of tenders.

10. IIA reserves the right to reject any or all tenders without assigning any reasons.

Senior Administrative Officer  
IIA, Bangalore-34.

**INDIAN INSTITUTE OF ASTROPHYSICS**

2<sup>nd</sup> Block, Koramangala, Bangalore-560 034

**Tender Notice No. : 14/IIA/CIVIL/BNG/CREST Kitchen/2016-17 Dated  
27.04.2017.**

M/s.

Dear Sirs,

The Director, Indian Institute of Astrophysics, Bangalore invites Sealed Tenders for the work of **“Renovation of Kitchen at CREST Campus, I.I.A, Hosakote.”** The Tender Terms enclosed are also may be noted carefully. If you are in a position to quote for the work in accordance with the requirement, please submit your quotation in the attached Tender Form.

Your Tender must reach this office on or before the date and time indicated in the Tender Schedule.

Thanking you,

Yours faithfully,

Encl: as above.

(P. Kumaresan)  
Senior Administrative Officer  
For Director

### 3. INSTRUCTIONS TO THE TENDERERS

1. The tenderers should submit the entire tender document with duly filled with price and technical details of the firm. All the pages of document shall be duly signed.
2. The Offers should be submitted in sealed envelope super scribed with “Tender for **“Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”** Notice No. and due date”.

**The rates quoted shall be EXCLUSIVE of all taxes and levies payable under respective statues. Hence taxes and levies should be shown separately.**

3. If any clarification is required should be obtained before filling Tender Document.
4. If any discrepancy is there between figures and words for quoted rates, the lower of the two will be considered for the purpose of evaluation.
5. The tenderers who do not fulfill all or any of the tender conditions or if the tender is Incomplete in any respect, will be summarily rejected.
6. The Institute is not bound to accept the lowest tender.
7. Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have (The Institute reserves the right to verify the particulars furnished by the tenderers.)
  - Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirement, Conditional bid / proposal: and / or
  - Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.
8. Any effort by the contractor to influence the client in the bid evaluation, bid comparison or contract award decision results in rejection of the contractors bid.
9. Incomplete Technical Bids are liable for rejection. Commercial/price bids will be Considered for opening only for the Qualified Technical Bidders, which are recommended by the Technical evaluation committees being constituted for the purpose.
10. Late & / delayed offer will not be considered at all.
11. IIA is not responsible for any delay / loss of documents in transit.
12. No bids will be considered if prescribed Tender Fee and EMD is not found with Technical bids (Part I).

13. All overwriting and corrections shall be duly attested with stamp & signature.
14. Corrigendum's / modifications / corrections, if any, will be published in the website only.
15. The Director, Indian Institute of Astrophysics reserves the right to accept or reject the tenders in full or part without assigning any reason thereof.
16. Performance certificates of the completed works issued by the clients to be enclosed in the technical bid.
17. The committee constituted by the director may inspect the previously completed or the ongoing works of the bidders to assess their technical suitability for the tendered work.
18. All the pages of the tender document to be signed by the contractor and submit them in the respective sealed covers.
19. **All the bidders are requested to visit the site before quoting the rates. The complete document shall be read and understood in all respect. If any clarification is required, the same may got cleared before submitting their offers in writing to IIA. The bidders may contact Civil Engineering Section for more details or any clarification through Civil Engineers:**

**Mr. R.Ramachandra Reddy    080-22541417    mail: [rrr@iiap.res.in](mailto:rrr@iiap.res.in)**

**Mr. M.V. Ramaswamy        080-22541207    mail: [mramaswamy@iiap.res.in](mailto:mramaswamy@iiap.res.in)**

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**INDIAN INSTITUTE OF ASTROPHYSICS  
2ND BLOCK, KORAMANGALA, SARJAPUR ROAD,  
BANGALORE – 560034.**

*Name of Work:* **“Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”**

**Tender Notice No. 14 /IIA/CIVIL/BNG/CREST Kitchen/2016-17 Dated 27.04.2017**

Name of  
The Firm: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone No: \_\_\_\_\_

**Last date for submission:19.05.2017 up to 3:00 PM.**



**FORMAT FOR SUBMISSION OF TECHNICAL & ORGANISATIONAL DETAILS.**

**NAME OF THE FIRM :**

**1. OFFICE SET UP OF THE FIRM**

1.1 Office Address : .....

1.2 Year of Establishment: .....

1.3 Contact Person Shri.....  
With Designation .....

Ph No.....

Fax No.....

E-mail.....

1.4 Details of registration if any: .....

1.5 Organizational setup of the firm  
Total staff strength both technical  
and Administration with their name, age  
qualification and experience :  
.....

1.6 Details of the staff as per the following format.

Sl. No	Profession/discipline	Name	Age	Qualification	Experience (total years)	Field of experience
	Civil					
	Electrical					

## **2 TENDERER'S EXPERIENCE**

Details of Works carried out and on hand during last five years with details such as name of work, year of completion, client name and address, cost of work, time period of construction, nature of work, etc., (It shall enclose a certificate from the owner that the service rendered by the firm has been satisfactory)

Sl. No.	Name & description of work	Value of work and date.	Period of construction and date.	Client persons to whom reference may be made.

**3.**

**TOOLS AND EQUIPMENT LIST**

The tenderer shall indicate herein below the equipment he has in possess and the equipment he proposes to bring to the site, in case the work is awarded to him.

Sl. No	Type and Description of the equipment.	Numbers the bidder has in possession	Numbers he proposes to bring on to site

Tenderers hereby confirms that the quantity and type of tools he will employ for construction will not be less than those listed above and agree to bring more equipment if so warranted in the opinion of the Engineer-in-charge.

**4. FINANCIAL**

Bank Name: \_\_\_\_\_

Branch: \_\_\_\_\_

Account No.: \_\_\_\_\_

Average Annual Turnover for last 5 Years: \_\_\_\_\_

**6. INSURANCE**

Accident Insurance

Insured with: \_\_\_\_\_

Policy No.: \_\_\_\_\_

7. Details of Arbitration cases : .....

8. Any other detail you would like to intimate in support of your technical bid for appointment : .....

Signature of the authorized Person with seal of the firm

(Note: Attach separate sheet for furnishing information in case the space in the format is insufficient)

**INDIAN INSTITUTE OF ASTROPHYSICS  
2ND BLOCK, KORAMANGALA, SARJAPUR ROAD,  
BANGALORE – 560034.**

## **PRICE BID**

*Name of Work:* “Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”

**Tender Notice No. : 14/IIA/CIVIL/BNG/CREST Kitchen/2016-17 Dated 27.4.2017**

Name of  
The Firm: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone No: \_\_\_\_\_

**Last date For submission: 19.05.2017 @ 3.00 P.M**

## **Tender for the “Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”**

### **Conditions of contract.**

Sealed item rate tenders are invited by Indian institute of Astrophysics for the above mentioned work

Estimated cost : **Rs 12.60 Lakhs (Twelve lakhs Sixty thousand only)**

Time of completion : **Four (04) Months.**

Period of commencement : 7 days from the date of receipt of work order

Percentage of retention money: : Security Deposit @ 5% to be deducted from each RA bill and shall be released as under i) (50% on completion of works and along the final bill .ii) Balance 50% less recovery, if any towards the cost of defects rectified by employer due to lack of response of the contractor on completion of defects liability period and on certification by the engineer –in charge.

Defects liability period : 12 Months.

Amount of liquidated damage : Liquidated Damages will be deducted from the bill amount while making final payment for delay in completion of the work if any, as per the extant rules of the CPWD Works Manual.

Escalation : In view of the short duration of the contract, no escalation will be paid to the contractor on account of changes in the market prices of any items of work or changes in the cost of living indices etc.

Tax deduction at source : Statutory deductions such as Income Tax, Works Contract Tax, Labour Welfare cess, etc. if any will be deducted while making each payment.

The Director, Indian institute of Astrophysics reserves the right to reject any or all the tenders without assigning any reason whatsoever.

The tenderer shall be responsible for arranging and maintaining at his own cost all **materials, tools and plants, water, electricity, facilities for workers, safety norms** and all other services required for executing the work.

Timely completion of work and quality of workmanship are of prime importance and the work shall be completed within the stipulated period. Cement consumption must match with standard theoretical calculations. Recovery to be effected in the event of not fulfilling the cement consumption. The waterproofing is the main work for which five year performance guarantee need to be provided by the applicator.

I/ We have read the tender notice, specifications, schedule, drawings, general rules and all other contents of the tender conditions, and Understand that you are not bound to accept the lowest or any tender you may receive.

I/ we hereby tender for the execution for the work specified above within the time specified above, at the rates specified in the attached bill of quantities and in all respects with these specifications, design, drawings and instructions.

I/we agree that should I/we fail to commence the work specified in the above memorandum an amount equal to amount of earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the Director.

**Dated: -----**

**Signature of the contractor  
With stamp**

## **General conditions of contract.**

### **Item rate tender for works.**

- ❑ The institute reserves the right to alter the scope /or reduce quantum of work before issue of work order and the contractor shall not have any claim what so ever on this account.
  
- ❑ Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall be taken as correct.
  
- ❑ If the amount of an item is not worked out by the contractor or it does not correspond with the rate written either in figures or words, then the rate quoted by the contractor in the words shall be taken as correct.
  
- ❑ When the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly the rate quoted by the contractor will be taken as correct and not the amount.
  
- ❑ The contractor shall take all precautionary measures to prevent entry of dust, dirt and noise pollution to the adjacent buildings and keep the premises neat and tidy, remove surplus materials and rubbish and shall not cause inconvenience to the staff of IIA. If the contractor or his working people or servants shall break, deface, injure or destroy any part of a building in which they may be working or any buildings, road, kerbs, fence, enclosure, water pipes cables, drains, electric and telephone posts or wire, trees grass or garden. The cost of any such damage and risks arising out of this shall be entirely borne by the contractor.
  
- ❑ A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer- in charge. All the measurements of the work may be recorded jointly by the Engineer-in charge and the contractor or their respective representatives. The measurements will be taken at site, as per latest IS code of practice for measurements. All measurements shall be taken with steel tapes only.
  
- ❑ The Engineer- in -Charge shall have full powers to the removal from the premises of all materials and bad workmanship, which in his opinion are not in accordance with the specifications.



- ❑ The Engineer –in- Charge may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors employ upon the work who may be incompetent or misconduct himself.
  
- ❑ For working on Sundays, holidays and late hours prior permission will be accorded by the Engineer-in charge on the application made by the contractor.
  
- ❑ All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer-in charge who shall be entitled to direct at what point or points and in what manner they are to be commenced and from time to time carried on.
  
- ❑ The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work etc as institute's property and such materials shall be disposed off to the best advantage of the institute.
  
- ❑ The contractor shall execute the whole and every part of the work in the most substantial and workman like manner and in strict accordance with the specifications of the CPWD / DOS / Bureau of Indian Standards. In case of any class of work for which there is no such specifications the contractor shall carry out the work in all respects in accordance with the instructions in writing of the Engineer- in charge.
  
- ❑ The Engineer-in charge shall have powers to make any alterations in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him necessary or advisable during the progress of the work and the contractor shall carry out the work in accordance. The rates for such additional, altered or substituted items of work shall be worked out in accordance with the standard procedure followed in CPWD / DOS.
  
- ❑ If at any time after the commencement of the work, the director shall for any reason whatsoever not require the whole thereof as specified in the tender to be carried out, the Engineer- in-Charge shall give notice in writing of the fact to the contractor who shall have no claim to payment of compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alterations having been made in the original specifications , drawings ,designs and instructions which shall involve any curtailment of the work as originally contemplated.

- The contractor shall obtain a valid license under the Contract Labour (R&A) act 1970 and the contract labour (Regulation & Abolition) central rules, 1971 before the commencement of the work and continue to have a valid license until the completion of the work. No labour below the age of eighteen years shall be employed on the work. The contractor shall pay to labour employed by him either directly or through sub contractors, wages not less than fair wages as defined in the provision of the contract labour (R&A) act 1970 and the contract labour (R&A) central rules 1971 wherever applicable.
  
- The contractor shall at his own expenses arrange for the safety provision as per safety code framed from time to time and shall at his own expenses provide for all facilities in connection therewith.
  
- The contractor shall comply with all the provisions of the payment of wages act 1936, Minimum Wages Act 1948, Employees liability act 1938, Workmen's Compensation act 1923, Industrial Disputes Act 1947 and the Contractors Labour (R&A) Act 1970 or the modifications thereof or any other laws relating thereto and the rules made there under from time to time. The regulations aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract. Security deposit will not be refunded till clearance certificate from Labour Officer is obtained by contractor.
  
- The contractor shall make his /their own arrangements for water required for the works and nothing extra will be paid for the same, as the water available from the institute source may not be sufficient to meet the construction.
  
- The contractor shall have all the tools and plants necessary to carry out the work such as concrete mixer, vibrator and hoist. The contractor shall employ one graduate engineer during the execution of the work
  
- Certified plumbers should be employed by the contractor on the plumbing and sanitary work.
  
- The standard sectional weights referred to as standard tables in para 5.3.3 in CPWD specifications for works 1977 vol. 1 to be considered for conversion of length of various sizes of M.S bars and tor steel bars in to weight.

Size (diameter MM) Weight Kg/M

Size	Weight
6	0.222
8	0.395
10	0.617
12	0.888
16	1.579
18	1.999
20	2.467
22	2.985
25	3.855
28	4.836
32	6.316

- The entire work is to be completed within the period stipulated i.e. **Four months (4)** from 7th day of issue of Letter of Intent/Work Order. The period includes monsoon period also. Time shall be the essence of the contract. After the work awarded, the contractors shall furnish detailed time schedules for the approval of the Engineer-in charge which after approval shall form part of the contract and are to be strictly adhere to.
  
- The maintenance period for the work shall be twelve months and any defects noticed during the period shall have to be rectified by contractor at his cost, failing which the action taken for maintenance Engineer-in charge shall be final over which the contractor will not have any claim.
  
- The contractor shall extend all co-operation to the contractors executing works such as electrical, air conditioning etc who might be working at the site and shall permit to use scaffolding etc already put up by him.
  
- The Engineer-in charge will have the right to get any item of the work included in this tender or not executed through other agencies. Schedule of probable quantities in respect of the work and specifications are enclosed. The schedules of probable quantities are liable to alterations by emission, deduction or additions at the discretion of the Engineer-in charge.
  
- **The rates quoted by the tenderer in the schedule shall be inclusive of all taxes and levies payable under respective statues, inclusive of all sales taxes, sales tax on components/ materials/ consumables and also sales tax on works**

**contract in pursuant to constitution (forty sixth amendment) act 1982, control duty and /or any other duty levied by the government or other public bodies. Service Tax will be paid extra as per prevailing norms. The rates shall be firm and shall not be subject to exchange variations, labour conditions or any condition. Service tax will be paid as per prevailing norms. However cost of the work and taxes should be biforcated accordingly.**

- ❑ Works contract tax (WCT) and other statutory taxes will be deducted from the amount payable to the contractor as per the relevant sales tax act, applicable for the contracted work as amended from time to time, at the rates specified from time to time.
- ❑ Samples of all materials to be incorporated in the works shall be submitted to the Engineer-in charge for his approval without claiming any extra cost. Materials not confirming strictly to the samples are liable to be rejected.
- ❑ The employment of any sub-contractors will be subjected to the approval of the Engineer-in-charge. If at any time during the progress of the work the Engineer-in charge determines that any sub-contractor is in competent or undesirable the contractor shall take steps immediately to cancel such sub-contractor. The contractor shall be entirely responsible for all the work included in the contract whether executed by him or through his sub-contractors. In particular it may be noted that the contractor shall obtain steel doors and windows from a reputed manufacturer and before placing order for these, the contractor shall obtain the concurrence of the department for the agency from whom he proposes to obtain steel doors and windows.
- ❑ The contractor shall prepare a CPM / PERT /BAR chart/ Detailed estimate programme within a week time of issue of Work Order.
- ❑ All materials and articles brought by the contractor to the work site shall have to be declared at the security gate. Similarly no materials shall be taken out from the departmental premises without proper gate pass which will be issued by the Engineer-in charge.
- ❑ Unless otherwise provided in the schedule of quantities the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account.
- ❑ Sample of various materials required for testing shall be provided free of charge by the contractor. Testing charges, if any unless otherwise provided, shall be borne by the department. All other expenditure required to be incurred for taking the samples, conveyance, packing etc. shall be borne by contractor himself. In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compression strength tests at his own cost including preparation of cubes curing etc. complete.

- ❑ For the purpose of recording measurements and preparing running account bills, the abbreviated nomenclature shall be accepted along with the item number.
- ❑ The contractor shall along the tender submit a schedule of machinery to be used on the work in support of his assurance to adhere to the time schedule specified in the proforma given.
- ❑ I /We declare that the work will be carried out as per the specifications in tender document and as per the specifications said above. The items of work not covered in the specifications said above will be carried out as per the specifications in the relevant CPWD specifications, and if not covered in CPWD specifications the work will be carried out as in the relevant IS specifications, and if not covered in the any of the above, the work will be carried out as directed in writing by the Engineer- in charge.
- ❑ I / We declare that the rates quoted by me/us are on the basis of the above.

**Date:**

**Signature of the contractor  
With stamp**

## **TENDER FORM**

To,

The Director,  
Indian institute of Astrophysics,  
Koramangala,  
Bangalore - 560034

Dear Sir,

**Sub: Tender for the work of : “Renovation of Kitchen at CREST Campus,  
I.I.A, Hosakote”**

With reference to the tender invited by you for the above proposed work, I /we write this after having:

- a). Examined the designs, drawings, detailed specifications to tenders, sample agreement, the general conditions of contract and special conditions of contract annexed there to (here in after called ‘the contract documents’) relating to construction.
- b). Visited and examined the site of the proposed work and acquired the requisite information relating to or affecting the tender. We are agreed to the decisions of the pre bid meeting by signing and stamping the minutes of the meeting which is enclosed along,tick if pre-bid meeting held or not yes/no with this tender.

I/We undersigned hereby offer to construct the proposed work in strict accordance with the contract document for the consideration to be calculated in terms of the priced schedule of quantities.

I/We undertake to complete the whole of the works as per the attached schedule from the date of issue of intimation by you that our tender has been accepted and up on being permitted to enter site. I/We further undertake that on failure, subject to the conditions of contract relating to extension of time, I/We shall be agreed ‘Liquidated damages’ for the period during which the work shall remain incomplete.

I/We hereby deposit with you as earnest money **Rs..... (RUPEES  
.....ONLY)**  
[carrying no interest] and I/We fail to take up the contract when called up on to do so.

Our Bankers are

1.

2.

Place:

Date:

Signature of the tenderer

Name of the partners of the firm

Or

Name of the person having power of attorney to sign the contract

## SPECIAL CONDITIONS

### GENERAL:

**SPECIAL CONDITIONS OF CONTRACT shall be read in conjunction with GENERAL CONDITIONS OF CONTRACT and both form an integral part of contract. Where the two are at variance, the conditions stipulated in this as SPECIAL CONDITIONS shall supersede relevant GENERAL CONDITIONS.**

#### **1. SPECIAL CONDITIONS:**

##### **HELMETS :**

As a measure of safety, persons employed on the site, Engineers and Supervisors shall wear a helmet of approved make at all times when they are at the site. No visitors shall be allowed on work site without wearing helmet.

Contractors shall make arrangements to provide safety helmets to all the persons employed on the site, Engineers and Supervisors at his cost.

Contractors shall display safety and warning signs at strategic locations at the site.

##### **CHILD LABOUR:**

Contractor or his Sub-contractor shall not employ any child labourers on the work site, either permanently or temporarily. It shall be the responsibility of the main Contractor to make sure that no child labour is employed at the site. Contractor shall indemnify the Employer against any consequences statutory or otherwise, that may arise out of employing child labour on the site.

##### **TEMPORARY ELECTRICAL WIRING:**

It shall be the responsibility of the main Contractor to make sure that the temporary wiring for construction activity shall adhere to minimum safety precautions as per Electricity Act. All wires / cables shall be drawn on wooden poles properly fixed and shall be drawn overhead.

#### **2. LABOUR SHEDS:**

Labour sheds shall be constructed with non-combustible materials like GI sheets or Asbestos sheets. Contractor will not be permitted to use combustible materials such as palm leaves etc., for the construction of the labour sheds.

#### **3. MATERIALS SUPPLY / PROCUREMENT:**

No materials will be supplied by the owner. If any increase on the material procurement cost/ labour, P&M will not be entertained for any kind of escalation till completion of the project.



4. **BILLING, CERTIFICATION & PAYMENT OF BILLS:**

**BILLING:**

The contractor shall prepare measured bills after completing the quantum of work mentioned In the Appendix-A and submit the same to the Architects for checking and issue of Certificates for Payment.

**PAYMENT OF BILLS:**

The contractor shall be paid by the Employer from time to time based on the certificate for payment issued by the architects as mentioned in the Appendix A.

5. **REPAIR OF WORKS DONE BY OTHER AGENCIES:**

The civil contractor shall make up any deficiency in the finishing of the areas damaged by other agencies in a workmanlike manner to achieve uniform finishing of the building at no extra cost.

6. **MATERIAL TESTS:**

The contractor shall provide such assistance, instruments, machines, labour and materials as are normally required for examining, measuring and testing.

The contractor shall install a compression testing machine at site to test concrete cubes and solid blocks.

The contractor shall maintain a record of all the test results in an approved format and periodically submit the same for Architect's/Employer's scrutiny.

7. **PLANT & MACHINERY:**

The contractor is obliged to furnish to the Employer detailed list of equipment, plant, machinery & personnel proposed to be deployed in this project.

8. **CLIENT'S & ARCHITECT'S OFFICES & FACILITIES:**

The contractor shall supply, erect and satisfactorily maintain in good repair until final completion of works, a well lighted temporary site office.

The contractor shall provide at all times for the duration of the contract survey instruments for the exclusive use of consultants as directed by consultants for carrying out of his duties in connection with the contract.

Such instruments which must be approved by the Architect, shall include but not limited to the following:

- One theodolite & tripod capable of reading to 20 seconds
- One level with horizontal circle and tripod.
- Two metric leveling staffs not less than 3.5mtr high.
- One 100 metre rustless steel band, one 30 metre rustless steel tape and two 30 metre linen tapes.
- An adequate number of ranging rods drop arrows, wooden setting-out pegs, etc.

The contractor shall be solely responsible for all such instruments and

equipment's and shall ensure that they are at all times in good repair and adjustment.

**10. SANITATION & DRAINAGE DURING CONSTRUCTION:**

The contractor shall provide sanitation and drainage facilities on the site as stated subsequently.

The contractor shall strictly control the labour so that the site is not polluted, made dirty or littered with debris, wastes or the likes. Any person found creating mess or litter or pollution shall be removed from the site immediately at contractor's cost.

The contractor shall provide sanitation facilities at convenient locations on site to preserve the cleanliness of the site. The effluent shall be directed as follows:

- Waste water : Collection and pumping out and disposal off the site in approved manner.
- Sewage : Septic tank provision - sludge to be collected and disposed off at intervals as directed.

The location of the above provisions shall be as marked on the site mobilization scheme drawing.

**11. DISCREPANCIES:**

The contractor shall bring to the notice of the Architect any discrepancies within or between contract drawings and/or the other contract documents prior to preparation of working drawings and commencement of work and shall not proceed with work until the Architect gives clarifications and instructions to proceed.

**12. REPORTS BY CONTRACTOR:**

- 12.1 The contractor shall file daily category-wise labour return. The report shall indicate scheduled requirement against actual strength.
- 12.2 The contractor shall prepare weekly reports of planned and actual progress of work and subsequent week's scheduled work. These will also include material procurement status. These reports shall be submitted to Architect and shall be reviewed during weekly co-ordination meeting.
- 12.3 The contractor shall submit monthly report along with monthly bills.
- 12.4 Further progress charts and schedules shall be prepared by the contractor as directed by the Architect.
- 12.5 The contractor shall submit re-conciliation statement of all the materials supplied by the Client, if any, alongwith every running bill.

## SPECIAL CONDITIONS OF CONTRACT

- a) The agency should visit the site and make sure the nature of work to be carried out before quoting the rates
- b) During the visit the agency should make sure of the availability of materials and stacking of materials
- c) The existing area is being used by the staff and it is essential to complete the job as per planning, time schedule with quality
- d) All the **rates quoted by the agency shall be inclusive of all taxes and duties except service tax** which will be paid as per prevailing norms. No additional payment will be made for the reason whatsoever.
- e) The agency should make sure about the working plan so that no disturbance shall occur to the staff who are working in the surrounding area. Such type of works which makes sound/disturbances shall be carried out during holidays and off the working hours with the prior permission of the Institute.
- f) The work may be carried out on Sundays and holidays with the prior permission of the Scientist Incharge, CREST Campus in view of security aspect. The details of the labourers with address & photo shall be handed over to the security for record.
- g) All the sample materials shall be approved by the Institute before procurement of required quantity.
- h) **Complete work shall be executed as per specifications. For any clarification regarding specifications, execution of work, CPWD specification of works, Works Manual shall be referred.**
- i) **Any clarification required regarding the tender and specification/bill of quantities may be obtained from the Civil Engg. Section, IIA, Koramangala, Bangalore during office hours or send mail to :**

[rrr@iiap.res.in](mailto:rrr@iiap.res.in),

Telephone :080-22541417

[mramaswamy@iiap.res.in](mailto:mramaswamy@iiap.res.in)

Telephone : 080-22541207

# LIST OF APPROVED MATERIALS

## CIVIL

Sl.No.	Material	Make
1	Steel	SAIL – TMT, VIZAG STEEL
	Cement	ACC/Birla/L&T
2	Acrylic Exterior Emulsion	Asian Paints
3	Plastic Emulsion Paint	Asian Paints
4	Enamel Paint	Asian Paints
5	Aluminium	Jindal, Indal, Hindalco
6	Glass	Saint Gobain, Modi
7	Flush Door	Kutty's Bond Wood, Hunsur Board
8	Vitrified tiles	nitco/RAK
9	Ceramic tiles	NITCO

## WATER SUPPLY AND SANITARY WORKS

Sl.No.	Material	Make
1	G.I. Pipes	TATA
2	G.I. Fittings	TATA
3	PPR	Kisan/Amitex
4	UPVC	a) Ashirwad/supreme
5	Ball valves	Hawa / R.B.
6	G.M. non-return valves	Kirloskar/Zoloto
7	Sanitary ware	Hindware/approved equivalent
8	C.P. Fittings	Jaquar/approved equivalent
9	Bathroom accessories	Jaquar/approved equivalent
10	SFRC manhole frame and Covers	Southern Concrete Industries/approved equivalent
11	Kitchen sink	Nirali/ Approved Equivalent
12	Anchor bolts/pipe support system	Hilti / approved equivalent
13	CI Grating & MH frame & cover	NECO/ Approved equivalent

# **BILL OF QUANTITIES**

**NAME OF THE WORK: “Renovation of Kitchen at CREST Campus, I.I.A, Hosakote”**

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	5.00	Cum			
2	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in-charge.	4.00	Sqm			
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.					
3.1	In cement mortar	15.00	Cum			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : The window shutters shall be removed keeping the frame intact with necessary cutting, grinding, finishing etc.					
4.1	of area beyond 3 sq. metres	15	each			
5	Dismantling tile work and granite slab in walls , floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
5.1	For thickness of tiles 10 mm to 25 mm	60	Sqm			
6	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
6.1	With cement mortar 1:4 (1 cement : 4 fine sand)	30	Sqm			
7	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.					
7.1	For door/ window/ clerestory window	15	Sqm			
8	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	200	Sqm			
9	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	25	Sqm			
10	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed					



SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					
10.1	25 mm thick	100	Sqm			
11	20 mm cement plaster of mix Coarse sand:					
11.1	1:4 (1 cement: 4 fine sand)	40	Sqm			
12	20 mm cement plaster of mix fine sand :					
12.1	1:4 (1 cement: 4 coarse sand)	50	Sqm			
13	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	350	Sqm			
14	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
14.1	Two or more coats on new work	100	Sqm			
15	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	on wet or patchy portion of plastered surfaces :					
15.1	Two coats	550	Sqm			
16	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. (Basic cost of tile Rs 75.00/sqft) make: KAJARIA, NITCO, RAK					
16.1	Size of Tile 600x600 mm	175	Sqm			
17	Providing and fixing 1 <sup>st</sup> quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-	100	Sqm			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.(Basic cost of tile Rs 60.00/sqft) Make : KAJARIA, NITCO, RAK					
18	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, M S Mesh, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer and two coats of painting, all complete as per the direction of Engineer-In-charge	200	Kg			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
19	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :					
19.1	All kinds of soil	32	Cum			
20	Providing and fixing factory made UPVC approved colour sliding glazed window upto 1.50 m in height dimension comprising of UPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to UPVC profile), appropriate dimension of UPVC extruded glazing beads and					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	UPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.					
20.1	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Three track three panels sliding	35	Sqm			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	window with fly proof S.S wire mesh 304 GRADE (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).					
21	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
21.1	With F.P.S.(non modular) bricks	25	Cum			
22	Supply, laying an Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type'B' of IS:13592 'Supreme' or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths,					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and vertical stack must have access door for inspection)					
22.1	External work					
22.1.2	110 mm dia with minimum wall thickness 3.2 mm	100	mts			
23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
	Concealed work, including cutting chases and making good the walls etc.					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
23.1	20 mm nominal outer dia Pipes	40	mts			
23.2	25 mm nominal outer dia Pipes	25	mts			
23.3	32 mm nominal outer dia Pipes	10	mts			
24	Construction of Inspection Chamber of internal clear dimensions as mentioned below in 230 mm thick brick masonry using first class country brick wall in CM 1:3 over a bed of 150mm thick CC 1:2:4 plastering with CM 1:2, 12 mm thick on internal, external, exposed top surfaces and internal and exposed top surfaces finished smooth with a floating coat of neat cement, PCC 1:2:4 for benching, channeling, providing and fixing pre cast RCC M 15 frame and vocer as mentioned below including cost of necessary steel reinforcement as per drawing, encasing sewers connection to chamber in PCC 1:2:4 complete all as specified and directed. NOTE: CC 1:2:4 in the					



SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	above item by usign 20mm grade granite aggregate obtained from the approved quarry. 600mmX600mm x600mm (with 600mm x600mm RCC frame & cover)					
24.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	5	each			
25	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.					
25.1	Circular tank	4000	litres			
26	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	4	each			
27	Providing and fixing wash basin with					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required:					
27.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	3	each			
28	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Make : Futura Sink					
28.1	Stainless stell Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	2	each			
29	Providing and fixing industrial exhaust fan of size 0.6x0.6 mts with necessary louvers/mesh frame work	2	each			
30	Repairing of Door with necessary wood work in frames of doors, windows, clerestory windows and	0.75	Cum			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).					
31	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows(Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :					
31.1	Second class teak wood	8	Sqm			
32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.					
32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each			

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
33	Construction of grease trap chamber of internal dimension 600 x 600x 750 mm in 230 mm thick brick masonry using first class country brick walls in CM 1:3 over a bed of 150 mm thick 1:2:4 CC plastering with CM 1:2, 12 mm thick internal, external, top surfaces and inside & exposed top surfaces finished smooth with a floating coat of neat cement, providing and fixing light single seal PRECST RCC frame and cover of size 600 X600 mm CC 1:2:4 providing one number SWT of size 100 mm on the outlet, encasing sewers connections to chamber in CC 1:2:4 etc. complete all as directed and specified.	1	each			
34	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture					

SL. No	Description	Qty.	Units	Rate (Rupees)		Amount (Rupees)
				In Figures	In words	
	laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					
34.1	Granite of any colour and shade Area of slab over 0.50 sqm	10	sqm			
<b>GRAND TOTAL</b>				<b>RS.</b>		

(Grand Total in words Rs.....)

Date:  
Place:

(Signature of the bidder with stamp)