

TENDER NO. SSSCT/PROC/24-25/E&P/030

Date: 02-12-2024

**TENDERDOCUMENT**

**SRI SATHYA SAI CENTRAL TRUST  
PRASANTHI NILAYAM, PUTTAPARTHI**



**WORKSTENDERNOTIFICATION**

**DESIGNING, SUPPLYING, INSTALLATION, COORDINATION AND  
EXECUTION OF POST TENSION WORKS FOR DORMITORIES CUM  
ROOMS BLOCK**

*Address for communication:*

SRI SATHYA SAI CENTRAL TRUST

PRASANTHI NILAYAM,  
PUTTAPARTHI

SRI SATHYA SAI DISTRICT  
ANDHRA PRADESH – 515134.

**Website: [www.srisathyasai.org](http://www.srisathyasai.org)**

**Email: [ce@mail.sssct.org](mailto:ce@mail.sssct.org)**

**Aum Sri Sairam**

**Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi, Sri Sathya Sai District, A.P.  
- 515134**

**TENDER DOCUMENT**

**Tender Notice Number: SSSCT/PROC/24-25/E&P/030**

**Name of work: Designing, Supplying, Installation, Coordination and  
Execution of Post Tension Works for Dormitories Block Building.**

On behalf of Sri Sathya Sai Central Trust, Prasanthi Nilayam Sri Sathya Sai District here-in-after mentioned as the Owner, you are hereby invited to bid Designing, Supplying, Installation, Coordination and Execution of Post Tension Works for Dormitories Cum Rooms Block Prasanthi Nilayam.

1. Scope of work: PT Slab of the above mentioned work as per BOQ and the specification provided along with this tender document.
2. The documents comprising the tender, are
  - A) Notice inviting tender
  - B) General conditions of contract (GCC)
  - C) Special conditions of contract (SCC)
  - D) List of materials to be used.
  - E) Site visit declaration.
  - F) Bill of quantities (BOQ)
  - G) Technical Specification
3. The Bidder shall furnish the following documents soft copy through mail i.e [tenders@mail.sssct.org](mailto:tenders@mail.sssct.org) and hard copy need to be sent to the following address i.e. Chief Engineer, Sri Sathya Sai Central Trust, Prasanthi Nilayam A.P. 515134 on or before 10-December-2024
  - i) Covering letter
  - ii) BOQ duly filled and signed by the bidder
  - iii) Declaration of site inspection by the bidder before quoting the tender.
  - iv) Acceptance of general conditions of the contract, duly signed.
4. The last date of submission of the tender is 10-December-2024 at 11.00 AM

**CONTENTS**

<b>SL.NO</b>	<b>DESCRIPTION</b>	<b>PAGE NO</b>
<b>I</b>	<b>WORKS BID INVITATION</b>	<b>3-4</b>
<b>II</b>	<b>GENERAL CONDITIONS OF CONTRACT</b>	<b>5-9</b>
<b>III</b>	<b>SPECIAL CONDITIONS OF CONTRACT</b>	<b>10-11</b>
<b>IV</b>	<b>BID FORM- Annexure-I</b>	<b>12-13</b>
<b>V</b>	<b>DETAILS OF THE BIDDER/CONTRACTOR- Annexure-III</b>	<b>14-15</b>
<b>VI</b>	<b>LIST OF DOCUMENTS TO BE SUBMITTED BY THE BIDDER ALONG WITH TECHNICAL BID IN A SEALED COVER-Annexure-IV</b>	<b>16-16</b>
<b>VII</b>	<b>LIST OF MATERIALS TO BE USED</b>	<b>17-17</b>
<b>VIII</b>	<b>SITE VISIT DECLARATION</b>	<b>18-18</b>
<b>IX</b>	<b>BILL OF QUANTITIES</b>	<b>20-21</b>
<b>X</b>	<b>TECHNICAL SPECIFICATION</b>	<b>23-24</b>

**I-WORKS BID****INVITATION OF BIDS FOR THE DESIGNING, SUPPLYING, INSTALLATION, COORDINATION AND EXECUTION OF POST TENSION WORKS FOR DORMITORIES CUM ROOMS BLOCK**

The Sri Sathya Sai Central Trust, Prasanthi Nilayam, Puttaparthi, Andhra Pradesh hereby invites tender from for the said work as per the specifications. “Interested parties who wishes to participants may submit their bids as per process mentioned here under”

**To:**

**The Chief Engineer,  
Sri Sathya Sai Central Trust, Prasanthi Nilayam  
Puttaparthi, Sri Sathya Sai District,  
Andhra Pradesh. Pin: 515134**

Sl. No	Bid issue	Description
1	Tender Inviting Authority	Chief Engineer, Sri Sathya Sai Central Trust
2	Name of the Work	<b>Designing, Supplying, Installation, Coordination And Execution Of Post Tension Works For Dormitories Cum Rooms Block</b>
3.	Place at which Tender document available	Tender Document can be downloaded from Website: <a href="http://tenders.sssct.org/PT_Slab_works_at_DCRB_PSN.pdf">http://tenders.sssct.org/PT_Slab_works_at_DCRB_PSN.pdf</a>
4.	Last Date for Submission of Bid	<b>10.12.2024</b> (Until 11.00 AM)

**1. PROCEDUREFORBIDSUBMISSION:**

The Bidder shall submit the Bids on or before **10.12.2024** (Until 11:00 AM)  
To the Tender Inviting Authority as per the procedure detailed below:

- a. The Bidders shall submit their Bid in a sealed cover along with all the documents as per the Works Bid Invitation along with the Bid.
- b. The Bidder shall sign on all the statements, documents, certificates, and sent by the, owning responsibility for their correctness / authenticity.

**2. TENDERDOCUMENT:**

The Bidder is requested to download the Tender Document and read all the terms and conditions mentioned in the Tender Document and seek clarification if any, from the Tender Inviting Authority through e mail: [ce@mail.sssct.org](mailto:ce@mail.sssct.org)

- 3. LATE BIDS:** Sri Sathya Sai Central Trust will not accept any bid after the deadline for submission of bids.

## II. GENERAL CONDITIONS OF CONTRACT

### 1. DEFINITIONS

In this Contract, the following terms shall be interpreted as indicated:

A .“The Contract” means the agreement entered into between the Sri Sathya Sai Central Trust and Contractor as recorded in the contract form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein:

B .“The Contact Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligation;

C .“Services” means services ancillary to the work, such as transportation and insurance, and all other incidental services, such as commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;

D “GCC” means the General Conditions of Contract contained in this section;

E “SCC” means the Special Conditions of Contract;

F. “The Contractor” means the Bidder selected for and services under this Contract.

G. “The Trust” means the Sri Sathya Sai Central Trust, the tender Inviting Authority for the work.

### 2.CHANGE OF ORDERS:

The Trust may, at any point of time, by written order given to the Contractor make changes modifications within the general scope of the contract in any one or more of the following:

A .The scope of work;

B .The specifications of work; and / or

c. The services to be provided by the Contractor

### 3. APPLICABLE LAWS:

The contract shall be interpreted in accordance with the prevailing laws of the Government of Andhra Pradesh and Union of India.

### 4. NOTICES:

Any notice given by the Trust to the Contractor pursuant to this Contract shall be sent in writing or by e-mail and/or confirmed in writing to the Contractor’s address specified in Contract.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

### 5. AGREEMENT:

The successful Bidder(s) shall execute an agreement for the fulfilment of the contract on **Rs.100/-** non-judicial stamp paper in the prescribed format provided, within seven days from the date of acceptance of the Bid and intimation of the award of Contract.

The incidental expenses of execution of agreement shall be borne by the successful Bidder(s).

The conditions stipulated in the agreement should be strictly adhered to and violation of any of the conditions in full or in part will entail termination of the Contract without prejudice to the rights of The Trust towards Contractor and recovery of any consequential loss from the Contractor.

#### **6. CHANGE OF SPECIFICATIONS:**

No change of specifications after the placement of Order shall be entertained unless the alternate model offered is equivalent or higher in specifications and approval of the Competent Authority has been obtained in writing for such a change of model before execution of the work. Execution of work without such an approval shall not be accepted.

#### **7. CONFLICT OF INTEREST.**

Any Bidder having a conflict of interest, which substantially affects fair competition, shall not be eligible to bid in this tender. Bids found to have a conflict of interest shall be rejected as non-responsive. Bidder shall be required to declare the absence of such conflict of interest. A Bidder in this Tender Process shall be considered to have a conflict of interest if the Bidder:

- i. Directly or indirectly controls and/is controlled by or is under common control with another Bidder; or
- ii. Receives or have received any direct or indirect subsidy/ financial stake from another Bidder; or
- iii. Has the same legal representative/ agent as another Bidder for purposes of this bid. A Principal can authorize only one agent, and an agent also should not represent or quote on behalf of more than one Principal or
- iv. Has a relationship with another bidder, directly or through common third parties, that puts it in a position to have access to information about or influence the bid of another Bidder or influence the decisions of the Procuring Entity regarding this Tender process; or
- v. Participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of a non-bidder firm as a sub-contractor in more than one bid; or
- vi. Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services that it provided (or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm), for the procurement planning (inter-alia preparation of feasibility/ cost estimates/ Detailed Project Report (DPR), design/ technical specifications, terms of reference (ToR)/ Activity Schedule/ schedule of requirements or the Tender Document etc) of this Tender process; or
- vii. Has a close business or family relationship with a staff of the Procuring Organisation who: (i) are directly or indirectly involved in the preparation of the Tender document or specifications of the Tender Process, and/or the evaluation of bids; or (ii) would be involved in the implementation or supervision of

resulting Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tender process and execution of the Contract.

The Bidder shall go through instructions, terms and conditions given in this tender document. Failure to furnish all the requisite information called for in this Tender will be at the Bidders' risk and may result in rejection of the tender. The Bidder shall download the tender document, sign and send again by e-mail confirming that the Bidder has gone through all the terms and conditions of the tender.

## **8. AMENDMENT OF BIDDING DOCUMENTS**

At any time prior to the deadline for submission of bids, the Sri Sathya Sai Central Trust may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

Any such amendment/ corrigendum shall be posted on the Sri Sathya Sai Central Trust website only and no other communication shall be made to any firm in this regard.

In order to allow prospective Bidders reasonable time, in which to take the amendment into account in preparing their bids, the Sri Sathya Sai Central Trust, at its discretion, may extend the deadline for the submission of bids.

## **9. LANGUAGE OF BID**

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Sri Sathya Sai Central Trust shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the translation shall govern.

## **10. FORUM FOR LEGAL PROCEEDINGS:**

In all cases of disputes, the decision of the Tender Inviting Authority shall be final. Any dispute or difference or any matter arising out of contract or incidentals thereto under this enquiry shall be subjected to jurisdiction of a competent Court of Law in Puttaparthi in Andhra Pradesh alone and not in any other place.

## **11. ACCEPTANCE or REJECTION OF BIDS:**

A .The Tender Inviting Authority reserves the right to accept or reject any or all bids and to annul the bidding process at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected Bidder or Bidders of the grounds for the said action.

B .Any Bid with incomplete information is liable for rejection.

C .For each category of pre-qualification criteria, the documentary evidence is to be produced duly attested by the Bidder, serially numbered and enclosed with the bids. If the documentary proof is not



enclosed for any/all criteria the Bid is liable for rejection.

If any information given by the Bidder is found to be false / fictitious, the Bidder will be debarred for 2 years from participating in any other tenders and will be blacklisted.

## **12. OTHER IMPORTANT CONDITIONS:**

1. Validity of offer: The prices quoted must be FIRM and the offers made must remain open for acceptance for 90 days from the date of opening of Tender.
2. Payment Terms: Payment will be released within 15 days after receipt of the certified bill.
3. The Trust will not issue any statutory forms like, Form C, Form D, Way bill etc., and this should be taken into account by the Contractor while quoting the rates.
4. The Tender Quantity is Tentative. It can be increased or decreased at the discretion of the Trust.
5. After finalization of Tender, a work completion schedule shall be submitted by the Contractor which can be revised by the Trust.
6. Penal clauses of the Contractor whatsoever like payment of interest on late payment of bills etc. shall not be acceptable to Sri Sathya Sai Central Trust.
7. Impermissible variations to specifications of work will be viewed seriously and will lead to black-listing.
8. The Trust reserves the right to override all the terms and conditions of the tender at any moment. It may reject any tender without assigning any reasons thereof and the same shall not be questioned in any court of law on any ground, whatsoever.
9. TAXES: TDS as applicable under the Income Tax Act will be deducted from all payments made to the contractor.
10. DISCIPLINE AND BEHAVIOUR OF WORKMEN: The Contractor shall ensure proper decorum, discipline and decency within the premises of the Institution. Smoking, consumption or possession of alcoholic drinks, and non-vegetarian food items within the premises are prohibited.
11. STATUTORY REQUIREMENTS: All necessary permits, licenses, registration and other Environment / Planning-related clearance needed for the works will be arranged by the Trust, assisted by the Contractor in respect of provision of the required data.
12. ASSIGNMENT AND SUBLETTING: The Contractor shall not assign or sub-contract any part of the work to another agency without prior written approval of the Trust.

13. LIQUIDATED DAMAGES: The Contractor undertakes to complete the work within the stipulated period. In case there are delays not attributable to Force Majeure, and without acceptable justification, the Trust can issue a notice of 15 days to the Contractor to make up the delay, and if there is still a delay, the Trust reserves the right to levy Liquidated Damages to the extent of 2% of the contract value per week of delay. If and when the Liquidated Damages reach a limit 10%, the Trust shall be entitled to determine the Contract and get the work carried out by another agency, with any relevant costs in excess of the contracted value accruing to the Contractor's account

#### 14. LABOUR LAWS:

The Contractor shall be responsible for full compliance with all laws and regulations relating to labour, employment, compensation, wages, working conditions, environment, insurance, safety, etc., and the Trust stands fully indemnified against any claim in this regard.

### **III.SPECIALCONDITIONSOFCONTRACT**

**SCOPE OF WORK: Designing, Supplying, Installatation, Coordination and Execution of Post Tension Works for Dormitories cum rooms Block**

1. **DURATION OF THE CONTRACT:** 6 Months from the date of issuing the letter of Intent.  
**Time is the essence of the contract.** Contractor shall submit a work schedule highlighting the various milestones immediately after award of work.
2. **CONTRACT AGREEMENT:** Will be executed between the Contractor and SSSCT, Prasanthi Nilayam on a Rs. 100/- stamp paper.
3. **MACHINERY:** All the required machineries should be brought by the contractor. Contractor will be responsible for its maintenance and supply of fuel.
4. **MATERIAL:** All the material required for this construction should be brought by the Contractor. List of approved material Brands is attached separately.
5. **MANPOWER:** All the required manpower both skilled and unskilled should be arranged by the Contractor. The accommodation, safety of the work force is Contractor's responsibility.
6. **SUPERVISION:** A full time experienced supervisor/ Engineer shall be engaged by the Contractor to supervise the work.
7. **TYPE OF CONTRACT:** Item rate Contract. The rates quoted for different items should cover the cost of labour, transport, Tools & plants materials, Lead, Lift, overheads, incidental charges etc.
8. **MODE OF PAYMENT:** Intermediate/Part Payments will be made based on bills containing detailed measurements to be submitted by the contractor duly certified by the engineer-in-charge and processed through Finance department after effecting Tax Deduction at Source (TDS) as per IT Act.
9. **DEFECT LIABILITY PERIOD:** To be mentioned by Bidder with details considering post-tensioning materials like **tendons, anchorage devices, grout**, and related components from the date of handing over Building.
10. **RETENTION AMOUNT:** 5% of the bill value will be deducted from each R.A. Bill. 5% will be withheld as retention money which will be released after defect liability period of one year from handing over the work.
11. **MODE OF MEASUREMENT:** As per IS Codes.
12. **REPORTING THE PROGRESS OF THE WORK**
  - A. The Contractor shall maintain a Site Order Book, where in inspecting Engineers will write day to day observations, instructions and progress of work. This book shall accompany the bills submitted from time to time.
  - B. The contractor shall send the pictures of the work progress to the whatsapp group, (which will be formed).From time to time.

13. **STATUTORY REQUIREMENTS:** Contractors shall arrange to pay the WCP Insurance, on mining material and all other necessary formalities required to execute the work.
14. **QUALITY OF WORK:** Certificate issued by the local site-in-charge appointed by the SSSCT shall be final. Any defective material/ work found by these authorities during their inspection shall be replaced by the contractor at his cost immediately.
- SSSCT reserve the right to terminate the contract if it is found that the work is not up to the mark as for the quality and speed of the progress is concerned, without giving prior notice.

**15. The bidder should confirm the PT design criteria with a Third-party team at bidder cost.**

**16. The tender related queries mail ID: ce@mail.sssct.org**

**17. All Technical queries Cell no- Sri Narayana Swami 9880302689, kamala Kumar- 9441543702-Ms Nagaraju- 9480340623. ©**

- a. Location link for Tender submission:

<https://maps.app.goo.gl/8wErz5WksHFKF7PX8>

**IV.ANNEXURE-I**

RefNo: Date:

To

Sri Sathya Sai Central Trust

Prasanthi Nilayam, Puttaparthi

Sri Sathya Sai District,

Andhra Pradesh – 515134.

Sir/Madam,

Having examined the Bidding Documents including Addenda Nos. (insert numbers) the receipt of which is hereby duly acknowledged, we, the undersigned, offer to execute the work in conformity with the said bidding documents for the sum of Rs. \_\_\_\_\_ (total bid amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith as part of this bid.

**Conditions:**

1. We undertake that if our Bid is accepted, for execution of work in accordance with the terms and conditions in the Bidding document.
- 2.If our bid is accepted, we will obtain the guarantee of a bank for the sum, specified under Tender Conditions in the form prescribed by the Trust.
3. Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.
4. We understand that you are not bound to accept the lowest or any bid you may receive.
- 5.We confirm that we comply with the eligibility Criteria as per Sl 20 of Special Conditions of Contract of the Tender document.

Dated this .....

Signature:

(In the Capacity of):

Duly authorized to sign bid for and on behalf of

Place:

(In the case of a Partnership Firm, all the partners of the firm should authorize the concerned person for signing the Bid Form. In the case of a Company a copy of the resolution authorizing the concerned person to sign the Bid Form. Copies to be enclosed)

**V.ANNEXURE – III****DETAILS OF THE BIDDER/CONTRACTOR**

S.No.	Particulars		
1	Name of the Firm/ Organization/ Society:		
2	Year of Establishment:		
	Registration No. & Date :		
3	CompleteAddress:  Pin  CodePhone  No.Fax No.  e-mail:		
4	Authorized person  Name, Address: Designation Phone No. e-mail id		
5	If Partnership Firm  a) Name & Address of all Partners  b) If Registered under Companies Act, Name of the Chairman and Managing Director with full address  c) Name & Address of Proprietor If Proprietor concern.		
6	PANNo.&Date:		
7	GSTNo.		
8	Branches:		
9	Annual Turn-Over		
	For 20-21		

	<b>For 2021-22:</b>		
	<b>For 2022-23:</b>		
10	Key personnel experience		
11	Details of men & machinery available for execution of work		
12	Business Background/History:		
13	Special Accreditations or Awards, if any:		
14	Customer Testimonials:		
15	Details of man power and equipment		

PLACE

DATE :

SIGNATURE OF THE BIDDER



**VI.ANNEXURE-IV****SRI SATHYA SAI CENTRAL TRUST, PRASANTHI NILAYAM****List of Documents to be submitted by the Bidder along with Technical Bid in a sealed cover****NAME OF THE BIDDER:**

1.Name:

2. Address:

3. Email:

4.Name of Authorised Person

5. Contact Phone Number

<b>Sl No</b>	<b>List of the Documents (Duly attested by the Authorized person on all the documents)</b>
1	Tender Document duly signed &with seal on all pages by the Authorized Signatory.
2	Status of the Bidder - Proprietary / Partnership Firm /etc. submit documentary evidence.
3	Copy of Resolution authorizing the Bidder to Sign the Bid Documents.
4	PAN of the Establishment.
5	GST Registration Certificate.
6	Authorized Person PAN And AADHAAR*
7	Details of the Key Person and experience*
8	Copies of Income Tax returns filed and Assessment orders for the last three financial years. Financial statements for last three financial years.
9	Bidder's Bank Details.
10	Site visit Declaration.

**All the above documents are must for the bid to be considered as valid**

## **VII. LIST OF APPROVED MAKES / BRAND OF MATERIALS**

**Any materials to be used/purchased at site should be from approved vendor & duly certified by SSSCT Engineer & the same to be mentioned in the bills for payment.**

**Brandof strands- Usha martin**

### VIII. SITE VISIT DECLARATION

To

Sri Sathya Sai Central Trust,

Prasanthi Nilayam,

Puttaparthi (A.P)

NIT No. TND/ / / - Dated //

Dear Sir,

I/We \_\_\_\_\_ Undersigned visited the project site on \_\_\_\_\_ and collected all the required information and data regarding availability of material and noted the environmental condition. I have also signed the attendance register maintained at site in presence of Site-In-charge.

Yours faithfully,

(Signature of the Tenderer)

Seal of Tenderer

Dated

# Bill of Quantities

S.No	Floor	Area m <sup>2</sup>	Post-Tensioning Rate Rs/m <sup>2</sup>	Post tensioning Price Rs	Reinforcement Kg/m <sup>2</sup> (+/- 10%)
<b>Block A</b>					
1	First Floor				
	Slab 1	348			
	Slab 2	348			
2	Second Floor				
	Slab 1	348			
	Slab 2	348			
3	Third Floor				
	Slab 1	348			
	Slab 2	348			
4	Fourth Floor				
	Slab 1	348			
	Slab 2	348			
5	Terrace Slab				
	Slab 1	348			
	Slab 2	348			
<b>Block B</b>					
1	First Floor				
	Slab 1	326			
	Slab 2	326			
2	Second Floor				
	Slab 1	326			

	Slab 2	326			
3	Third Floor				
	Slab 1	326			
	Slab 2	326			
4	Fourth Floor				
	Slab 1	326			
	Slab 2	326			
5	Terrace Slab				
	Slab 1	326			
	Slab 2	326			
Total 6740					

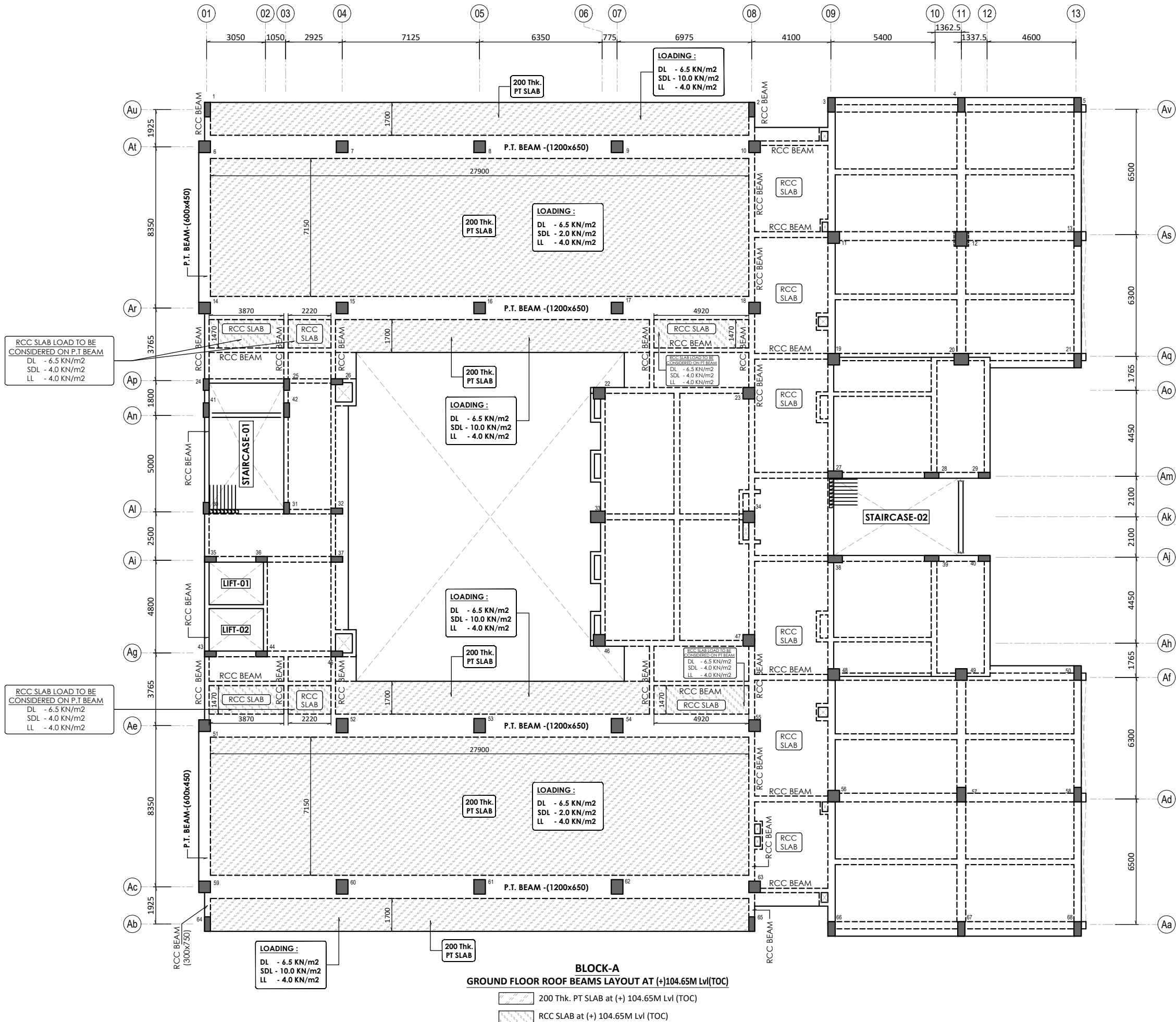
## **TECHNICAL SPECIFICATION**

- ❖ Considerations:
- ❖ Pre-Stressing system & Materials:
- ❖ UPS—Post Tensioning Bonded System
- ❖ Friction Parameter =0.2/rad,
- ❖ Wobble Factor K=0.0017/m
- ❖ Wedge Drawn in =6.00 mm
- ❖ Strand—0.6” (12.7mm) diameter 7 wire low relaxation non coated bare strand to ASTM A 416 or IS: 1343-1980, IS 15456, BS8110: The structural use of concrete, 1997 and TR43 or relevant international standards.
- ❖ Anchorages-USSI post tensioning system, incorporated bonded, head & dead-end anchorages.
- ❖ Sheathing-Galvanized steels trip.
- ❖ Grout—Cementitious grout with additive of 28 days compressive strength at 32N/mm with maximum w/c ratio of 0.45.
- ❖ PT Work Will require to plan and progress in line with overall Project requirement .
- ❖ Design Criteria:
- ❖ Concrete=M35N/mm, Steel=Fe500
- ❖ Serviceability Classification: Post tensioning Class 3 (Limiting Crack width 0.2 mm)
- ❖ Fire Rating: 2 hours
  - Column stiffness:  $M/bh^3 < \text{and } I_s \text{ equal To } 4.0 \text{ N/mm}^2$ 
    - Dimensions: As per drawings
- ❖ Loading Conditions: refer to Enclosed Drawings .
- ❖ PT Option: PT Flat Plate(slab)with PT Beams
- ❖ Design loadings: As per design, IS standards and Structural Consultant
- ❖ Scope of work for post tensioning system :
- ❖ Co-ordinate, Design and detail of post tensioning system for PT structures such as PT Slab, and PT beams, and all the other structural details required until the completion of the project as per the drawings with consultation of architects and structural consultant.
- ❖ All design calculations and criteria should be done as per IS:1343-1980, IS 456, BS8110, The structural use of concrete1997and TR43,and any other relevant Indian design code of standards.
- ❖ The deliverables include but not limited to:
- ❖ Supply of High Tensile Steel strand, as per structural design &consultant
- ❖ Brand of strands: Tata/Usha Martin.
- ❖ Supply of post tensioning anchorages, GI ducts, Wedges with consumables.
- ❖ Installation of Strands, Ducts, Anchor blocks, and Wedges.
- ❖ Stressing of tendons with PT works contractor's equipment.
- ❖ Grouting of tendons with PT works contractor's grouting pump.
- ❖ Providing required Qualified Engineers, Technicians for PT Works.
- ❖ Fixing of tendon supports.
- ❖ Supply of admixtures for grouting.
- ❖ Submission of shop drawings to consultant
- ❖ Coordination with structural consultant, plumbing consultant, electrical consultant,

PHE consultant, civil contractor, and other related agencies for design, execution and complete to full fill the PT works.

- ❖ Submission of as built drawings to the clients.
- ❖ Demarcation of installed PT tendon profiles at the soffit of all the floor slabs after final finishing of the surface.
- ❖ Insurance for PT works contractor's workmen and materials.
- ❖ All related Material Test certificates, and Guarantee certificate after completion of works.
- ❖ 3<sup>rd</sup> Party testing and report submission for the materials involved as and when required by the clients & consultant.
- ❖ Fulltime supervision and QC by Skilled technician / Engineer from PT works contractor, during the PT works and its related works involved at site any time before, during and after the concreting time.
- ❖ PT Design Proposal to be approved by Consultant and PMC
- ❖ Scope matrix to be shared by PT contractor and to be approved/ agreed by PMC and Client.
- ❖ Expected Duration for each slab to be agreed by PMC
- ❖ Client's Scope:
- ❖ Supply of OPC 53 grade cement at free of cost.
- ❖ Space for storing of materials at site.
- ❖ (Its PT works contractor's scope to secure the materials at site with locks and Key.
- ❖ Clients provide only space to store the materials but the responsibility





GROUND FLOOR ROOF BEAMS LAYOUT AT (+)104.65M Lvl(TOC)

- 200 Thk. PT SLAB at (+) 104.65M Lvl (TOC)
- RCC SLAB at (+) 104.65M Lvl (TOC)

FOR APPROVAL

NOTES:

- DO NOT SCALE THE DRAWING.FOLLOW FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS ARE IN 'mm' AND LEVELS ARE IN 'm' UNLESS OTHERWISE SPECIFIED.
- USE (M30)GRADE OF DESIGN MIX CONCRETE FOR RCC SLABS AND BEAMS AND (M35) GRADE OF DESIGN MIX CONCRETE FOR P.T.SLABS AND BEAMS.
- GRADE OF STEEL SHALL BE Fe-500 AND CONFIRMING TO IS:1786-2000 & AMENDMENTS.
- PROVISIONS MADE IN IS:456-2000 AND SP 34 AND OTHER RELEVANT CODES SHOULD BE FOLLOWED DURING EXECUTION.
- FOR GENERAL NOTES REFER DRAWING No: AR-SIT-SSSCT-BA-101 (Sh : 3 of 4)

LEGEND:

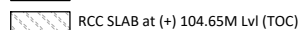
- FFL : FINISHED FLOOR LEVEL AT GF
- FGL : FINISHED GROUND LEVEL
- TOC : TOP OF CONCRETE
- BOC : BOTTOM OF CONCRETE
- B/W : BOTH WAYS
- B/F : BOTH FACES
- NGL : NATURAL GROUND LEVEL
- TYP : TYPICAL
- T&B : TOP AND BOTTOM
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT
- ST : STRAIGHT BARS
- EX : EXTRA BARS
- YØ-200 : Y REFERS TO TMT BAR AND Ø REFERS TO DIA OF BAR SPACED AT 200mm c/c.

R.NO.	DATE	DESCRIPTION	REMARKS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

DEALT	SARFARAZ	APPROVED	AKK
DRAWN	RAFIQ	DATE	10.07.2024
CHECKED	AKK	SCALE	NTS
DRAWING TITLE	GROUND FLOOR ROOF BEAMS LAYOUT AT (+)104.65M Lvl.(TOC)		
DRAWING No :	AR-SIT-SSSCT-BA-107 (Sh: 1 of 4)		

PROJECT	PROPOSED DORMITORY & ROOMS BLOCK BLOCK A: DORMITORY BLOCK
STRUCTURAL CONSULTANTS :	SAMARTH Infraengg Technocrats Private Limited

CLIENT	SRI SATHYA SAI CENTRAL TRUST Prasanthi Nilayam   Puttaparthi Anantapur District   Andhra Pradesh - 515134
PROJECT MANAGER	SNCS SHANKARA NARAYANA CONSULTANCY SERVICES Bengaluru
ARCHITECTS	ABSTRACT REALITY PVT LTD NO 3   1st Floor   1st Main 4th Block   HBR Layout Bengaluru 560 043



<b>CLIENT</b>	<b>SRI SATHYA SAI CENTRAL TRUST</b> Prasanthi Nilayam   Puttaparthi Anantapur District   Andhra Pradesh - 515134
<b>PROJECT MANAGER</b>	<b>SNCS</b> SHANKARA NARAYANA CONSULTING SERVICES Banglore,
<b>ARCHITECTS</b>	<b>ABSTRACT REALITY PVT LTD</b> NO 3   1st Floor   1st Main 4th Block   HBR Layout Bengaluru 560 043