Date: 15-April-2024

TENDER NO. SSSCT/ E&P /24-25/014

# **TENDER DOCUMENT**

# SRI SATHYA SAI CENTRAL TRUST PRASANTHI NILAYAM, PUTTAPARTHI



# WORKS TENDER NOTIFICATION EXCAVATION WORKS FOR THE DORMITORY BLOCKS AT PRASANTHI NILAYAM

Address for communication:

SRI SATHYA SAI CENTRAL TRUST

PRASANTHI NILAYAM, PUTTAPARTHI

SRI SATHYA SAI DISTRICT

ANDHRA PRADESH – 515134.

Website: www.srisathyasai.org

Email: ce@mail.sssct.org

# Aum Sri Sairam

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

# TENDER DOCUMENT

Tender Notice Number: SSSCT/ E&P /24-25/014

Name of work - Excavation works for the Dormitory Blocks at Prasanthi Nilayam

# - Estimated cost Rs.68 Lakhs

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 for Excavation works for the Dormitory Blocks at Prasanthi Nilayam, Puttaparthi, Sri Sathya Sai District, Andhra Pradesh 515134

- 1. Scope of work: Excavation works 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) Bill of quantities (BOQ)
  - C) General conditions of contract (GCC)
  - D) Special conditions of contract (SCC)
  - E) Site visit declaration.
  - F) List of BIS Codes.
- 3. The Bidder shall furnish the following documents soft copy through mail i,e tenders@mail.sssct.org or 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 22-April-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 22-April-2024 at 11.00 AM

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# I-WORKS BID

# INVITATION OF BIDS FOR THE EXCAVATION WORKS FOR THE DORMITORY BLOCKS AT PRASANTHI NILAYAM

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	Excavation works for the Dormitory Blocks at Prasanthi Nilayam
3	Place at which Tender docume nt available	Tender Document can be downloaded from  Website:http://tenders.sssct.org/Excavation_works_for_the_Dormitory_Blocks_at_P SN.pdf
4	(EMD)	Estimated Value of the Bid Rs. 68 Lakhs  EMD: 68,000/- (Rupees Sixty Eight thousand only) To be paid by all the Bidders by bank Transfer as per the details below, at the time of submission of tender bid.  SRI SATHYA SAI CENTRAL TRUST INDIAN DONATIONS A/C No: 10678029796. IFSCODE:SBIN0010480  STATE BANK OF INDIA, PRASANTHI NILAYAM

5.	Security	Further Security Deposit of 1.5% is to be paid by the selected Bidder. Alternatively a Bank Guarantee of 2.5% of value of the Contract may be submitted and EMD (1%) amount will be returned.
6.	Last Date for Submissio n of Bid	<b>22.04.2024</b> (Until 11.00 AM)

# 1. PROCEDURE FOR BID SUBMISSION:

The Bidder shall submit the Bids on or before 22.04.2024 (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. TENDER DOCUMENT:

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

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

# Aum Sri Sairam

# Name of work: Excavation works for the Dormitory Blocks at Prasanthi Nilayam II. Bill of Quantities

Particulars	Unit	Qty.	Rate	Amount
DISMANTLING WORKS				
Dismantling and Breaking of existing Structures as required and directed by the client at all floors and level including scaffolding wherever required, removing debris & dumping out of the site within a lead of 6 km. The rates include cleaning, disposal of unserviceable material as well as stacking of serviceable material with all lead and lift tools & tackles etc, complete as per TS & directed by the engineer-in-charge.				
RCC structures	Cum	95		
PCC/SSM Masonry structures	Cum	125		
Solid block masonry	Sqm	100		
Brick masonry	Cum	200		
Stone pitching	Sqm	910		
EXCAVATION				
GENERAL EXCAVATION				
Common Notes: Excavation shall be made below the lowest formed level; Tenderer to mention the dewatering system proposed by him using pumps of required horse power; Backfilling shall not be paid under separate item; Provision of slopes, if required for execution shall not be paid separately. Payment shall be made only for confined earth only. The measurements will be paid as per the PCC Dimensions both for excavation and back filling.				
Notes:				
All excavation depths will be measured from average existing ground levels of the area under consideration for measurements. The average shall be calculated for each block independently				
All excavations to be carried out by mechanical means including trimming of edges to correct profile and levelling of bottoms and as per instructions of the Engineer. Excavation by manually, to be adopted as per site constraints and instructions.				
Compaction of filled earth to be done to achieve optimum moisture content and tests to be conducted to check the density of the compacted earth, all as per requirements and as directed by the Engineer.				
Working space & provision of slopes if required for execution shall not be paid separately.				
The rates including disposing soil in designated area in site area as per direction of engineer in charge under this item for back filling purposes.				
	DISMANTLING WORKS  Dismantling and Breaking of existing Structures as required and directed by the client at all floors and level including scaffolding wherever required, removing debris & dumping out of the site within a lead of 6 km. The rates include cleaning, disposal of unserviceable material as well as stacking of serviceable material with all lead and lift tools & tackles etc, complete as per TS & directed by the engineer-in-charge.  RCC structures  PCC/SSM Masonry structures  Solid block masonry  Brick masonry  Stone pitching  EXCAVATION  GENERAL EXCAVATION  Common Notes: Excavation shall be made below the lowest formed level; Tenderer to mention the dewatering system proposed by him using pumpo frequired horse power, Backfilling shall not be paid under separate item; Provision of slopes, if required for execution shall not be paid separately. Payment shall be made only for confined earth only. 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The rates including disposing soil in designated area in site area as per	DISMANTLING WORKS  Dismantling and Breaking of existing Structures as required and directed by the client at all floors and level including scaffolding wherever required, removing debris & dumping out of the site within a lead of 6 km. The rates include cleaning, disposal of unserviceable material as well as stacking of serviceable material with all lead and lift tools & tackles etc, complete as per TS & directed by the engineer-in-charge.  RCC structures  Cum  PCC/SSM Masonry structures  Solid block masonry  Sqm  Brick masonry  Cum  Stone pitching  EXCAVATION  GENERAL EXCAVATION  Common Notes: Excavation shall be made below the lowest formed level; Tenderer to mention the dewatering system proposed by him using pumps of required horse power; Backfilling shall not be paid under separate item; Provision of slopes, if required for execution shall not be paid separately. 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The rates including disposing soil in designated area in site area as per	DISMANTLING WORKS  Dismantling and Breaking of existing Structures as required and directed by the client at all floors and level including scaffolding wherever required, removing debris & dumping out of the site within a lead of 6 km. The rates include cleaning, disposal of unserviceable material as well as stacking of serviceable material with all lead and lift tools & tackles etc, complete as per TS & directed by the engineer-in-charge.  RCC structures  Cum 95  PCC/SSM Masonry structures  Cum 125  Solid block masonry  Sqm 100  Brick masonry  Cum 200  Stone pitching  EXCAVATION  GENERAL EXCAVATION  Common Notes: Excavation shall be made below the lowest formed level; Tenderer to mention the dewatering system proposed by him using pumps of required horse power; Backfilling shall not be paid under separate item; Provision of slopes, if required for execution shall not be paid separately. 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2.02	Clearing / stripping/jungle/parthenium growth including surface dressing of the ground in any kind of soil including sloped site & bushes up to 300mm/parthenium and other weed including burning/disposing off the same outside the periphery of the area (Building Area to be measured for payment) with all lead and lifts etc complete within a lead up to 6 km as directed by the engineer.	Sqm	10,382	
2.03	Cutting of trees from 300mm and above girth size (measured at a height of 1m above ground level), the work shall consist of cutting of all such trees as per the direction of the Engineer and stacking, transport and final handing over to clients with all leads and lifts and back filling good earth in the depression/pitetc. complete as per direction engineer in charge.	No.	30	
2.04	General Excavation by mechanical means using JCB, Poclains along with Percussion Tools mounted on poclain, in all types of Soil, with necessary manual excavation for dressing the edges and levelling with all leads and lifts, carting away the excavated material from the site to the designated dumping areas away from the site approved by the local authorities, etc, complete, as per standard specifications and as directed by engineer-incharge. Rate to include dewatering of both ground and surface water, removal of slurry generated while excavation and keeping the area free of water with necessary shoring, strutting required for keeping earth in position, excavating the loose pockets and compacting the same, cost of loading into dumpers, transporting and unloading to filling site, etc, complete as directed by engineer in charge.			
	Depth 0.00 mts to 3.00 mts			
a	Block A	Cum	500	
b	Block B	Cum	1,000	
c	Block C	Cum	1,002	
2.05	General Excavation by mechanical means using JCB, Poclains along with Percussion Tools mounted on poclain, in Soft / Disintegrated / Weathered Rock including necessary manual excavation for dressing the edges and levelling with all leads and lifts, carting away the excess excavated material from the site to the designated dumping areas away from the site approved by the local authorities, etc, complete, as per standard specifications and as directed by engineer-in-charge. Rate to include dewatering of both ground and surface water, removal of slurry generated while excavation and keeping the area free of water with necessary shoring, strutting required for keeping earth in position, excavating the loose pockets and compacting the same, cost of loading into dumpers, transporting and unloading to filling site, etc, complete as directed by engineer in charge.			
	Depth 0.00 mts to 3.00 mts			
a	Block A	Cum	751	
b	Block B	Cum	1,501	
с	Block C	Cum	1,501	
3.00	EXCAVATION IN FOUNDATION TRENCHES			

All kinds of soils except laterite for all leads, lifts and depths  Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  Depth - 0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  Depth - 0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  Block B		Excavation in the following types of Soil / Laterite / Rock for footings of columns, retaining walls, core walls, catch pits, lift pits, trenches for drains, etc by mechanical (using JCB, Poclain, etc) or manual means, including necessary levelling, manual excavation for dressing the edges and ramming the bottoms, with all leads and lifts, removal of surface water, removal of slurry generated while excavation and keeping the area free of water with necessary shoring, strutting, required for keeping in position, etc, complete, as per standard specifications and as directed by engineer-in-charge. Rate to include dewatering of both ground and surface water, (Tenderer to mention the dewatering system proposed by him using pumps of required Horse Power), excavating loose pockets and compacting the same. (Backfilling will be paid for under separate item).			
excavation level)  i Block A  ii Block B  Cum 954  iii Block C  Cum 800  Depth -0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  i Block B  Cum 935  Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A  ii Block A  iii Block B  Cum 740  iii Block C  Cum 750  Depth between-3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  b Depth between and mass excavation level)  i Block C  Cum 750  Cum 750  Cum 750  Block C  Cum 750  Cum 750  Cum 750  Cum 750  Block C  Cum 750  Cum 750	3.01 a	All kinds of soils except laterite for all leads, lifts and depths  Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass			
iii Block B  iii Block C  Cum 800  Depth - 0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  i Block B  Cum 935  3.02 Soft / Disintegrated for all leads, lifts and depths requiring chiselling  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A  ii Block B  Cum 740  iii Block C  Cum 700  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  All And rock with Chemical methods/any equivalent method as per 3.03  Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A  ii Block A  Cum 50  Cum 50  Cum 50  Depth between-3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A  Cum 50  Cum 320  Depth between-3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)					
iii Block C Cum 800  Depth - 0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  i Block B Cum 935  3.02 Soft / Disintegrated for all leads, lifts and depths requiring chiselling  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 740  ii Block B Cum 550  iii Block C Cum 700  Depth between - 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  b Depth between - 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  b Block A Cum 700  Block B Cum 50  Cum 50  Cum 50  Cum 50  Block A Cum 50  Cum 350  Depth between 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  b Depth between 500 mts (0.00mts considered as bottom of mass excavation level)	i			1,000	
b Depth - 0.00 mts to 5.00 mts - For UG TANKS (0.00mts considered as bottom of mass excavation level)  i Block B Cum 935  3.02 Soft / Disintegrated for all leads, lifts and depths requiring chiselling  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 740  ii Block B Cum 550  iii Block C Cum 700  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  4 Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  5 Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  6 Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  6 Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  6 Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  6 Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  6 Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)	ii	Block B	Cum	954	
bottom of mass excavation level)  i Block B	iii	Block C	Cum	800	
bottom of mass excavation level)  i Block B					
3.02 Soft / Disintegrated for all leads, lifts and depths requiring chiselling  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 740  ii Block B Cum 550  iii Block C Cum 700  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  A Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	b				
a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 740  ii Block B Cum 550  iii Block C Cum 700  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Alard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	i	Block B	Cum	935	
a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 740  ii Block B Cum 550  iii Block C Cum 700  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Alard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	2.02				
excavation level)  i Block A  ii Block B  Cum 550  iii Block C  Cum 700  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Cum 700  Bate Only  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A  Cum 50  ii Block B  Cum 320  iii Block C  Cum 350  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate					
iii Block B Cum 550  iiii Block C Cum 700  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  iii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	а 				
iii Block C Cum 700  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  Block A Cum 50  Block B Cum 320  Block C Cum 350  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	i	Block A	Cum	740	
b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of mass excavation level)  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  Block A Cum 50  Block B Cum 320  Block C Cum 350  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	ii	Block B	Cum	550	
mass excavation level)  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	iii	Block C	Cum	700	
mass excavation level)  Hard rock with Chemical methods/any equivalent method as per Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	1.	D. d. L		D ·	
3.03 Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	b	·	Cum		
3.03 Technical Specification or any method approved by engineer in charge.  a Depth 0.00 mts to 3.00 mts (0.00mts considered as bottom of mass excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate					
excavation level)  i Block A Cum 50  ii Block B Cum 320  iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	3.03				
ii Block B Cum 320 iii Block C Cum 350 b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	a				
iii Block C Cum 350  b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	i	Block A	Cum	50	
b Depth between- 3.01 mts to 5.00 mts (0.00mts considered as bottom of Cum Rate	ii	Block B	Cum	320	
	iii	Block C	Cum	350	
	b	Depth between, 3.01 mts to 5.00 mts (0.00mts considered as bottom of	Cum	Rate	
	D .		Cuili		

4.00	FILLING WORKS				
4.01	Filling Approved Excavated Good Quality Earth / Rock available at site (from designated area within a radius of 1km) in places like trenches, plinth, sides of foundations, basements, low lying areas, area development, etc, and as directed by engineer-in-charge, in layers of not exceeding 200mm thick including breaking clods, watering, compacting each layer with vibratory compactor / power roller of required capacity and at inaccessible places with wooden / steel rammers to obtain 95% proctor density at optimum moisture content as per modified proctor density test, all leads and lifts, bailing / removal of water to keep site dry while backfilling; cost shall include conveyance of all materials, labours, machinery, etc. complete, as per standard specifications and as directed by engineer-in-charge.	Cum	8,798		
4.02	Bringing selected Earth from Outside the site wherever available and depositing in places like trenches, plinth, sides of foundations, basements, low lying areas, area development, etc, and as directed by engineer-incharge, in layers not exceeding 200mm thick including breaking clods, watering, compacting and consolidation of each layer with vibratory compactor / power roller by power roller of required capacity and at inaccessible places with wooden / steel rammers to obtain 95% proctor density at optimum moisture content as per modified proctor density test, all leads and lifts, bailing / removal of water to keep site dry while backfilling. Rate shall include for excavation of earth and conveyance of all materials, labours, machinery, etc for all distances, complete, as per standard specifications and as directed by engineer-in-charge. The measurements shall be at the place of deposit and not at the place of excavation.	Cum	500		
5.00	DISPOSAL				
5.01	Carting away Surplus Earth / Excavated material outside the plot and disposing off to the designated areas identified by the local authorities for dumping of such materials, including spreading, compacting, etc, as per the norms by the local authorities, etc, complete, as per standard specifications and as directed by engineer-in-charge. Disposal distance should not be within 6 km Radius.	Cum	1,000		
5.02	Carting away Debris and other materials not covered under above items outside the plot and disposing off to the designated areas identified by the local authorities for dumping of such materials, including spreading, compacting etc, as per the norms by the local authorities, etc, complete, as per standard specifications and as directed by engineer-in-charge. Disposal distance should not be within 6 km Radius.	Cum	Rate Only		
	Sub Total				
	GST 18% Grand Total				
		Grai	iu Total		

# III. 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:

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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.

# **IV.SPECIAL CONDITIONS OF CONTRACT**

- 1. SCOPE OF WORK: Excavation works for the Dormitory Blocks at Prasanthi Nilayam.
- 2. EMD (Earnest Money Deposit)
  - A. EMD of 1% value of work shall be enclosed along with the Bid. Without EMD, the Bid will not be accepted. This will be refunded to the unsuccessful bidders after awarding the work.
  - B. The successful bidder shall deposit a further amount of 1.5% towards FSD (Further Security Deposit) before signing of the Agreement.
  - C. The EMD/FSD of 2.5% can be in the form of Bank Guaranty (BG) from any national /approved Bank.
  - D. The total EMD/FSD of 2.5% of successful contactor will be released after Defect liability period of 5 months after completion of the work.
- 3. **DURATION OF THE CONTRACT**: 4 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.
- 4. **CONTRACT AGREEMENT:** Will be executed between the Contractor and SSSCT, Prasanthi Nilayam on a Rs. 100/- stamp paper
- 5. **MACHINERY**: All the required machineries should be brought by the contractor. Contractor will be responsible for its maintenance and supply of fuel.
- 6. **MATERIAL**: All the material required for this construction should be brought by the Contractor. List of approved material Brands is attached separately.
- 7. **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.
- 8. **SUPERVISION:** A full time experienced supervisor/ Engineer shall be engaged by the Contractor to supervise the work.
- 9. **TYPE OF CONTRACT**: Item rate Contract. The rates quoted for different items should cover the cost of labour, transport, Tools & plants materials, Lead, Lift, over heads, incidental charges etc.
- 10. 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.
- 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.

TENDER NO. SSSCT/E&P/24-25/014

# V.ANNEXURE -I

Ref No: Date:
То
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)

# VI.ANNEXURE-II

(Bank Guarantee to be executed by any National Bank on Rs.100/- Stamp paper)

То			Date:	
Sri Sathya Sai Central Tru	ıst,			
Prasanthi Nilayam- 5151.	34.			
Sir/Madam,				
Whereas (N	Tame of the Contractor	r) hereinafter ( No.	called "the Contractor" has unde dated:	rtaken
with a Bank Guarantee	of RsLakhs by a	Nationalized I	et that the Contractor shall furnish Bank for the sum specified there ations in accordance with the Con	ein as
AND WHEREAS we	have agreed to give t	he Contractor	the Guarantee: THEREFORE	WE
undertake to pay you, u under the Contract and v	actor, up to a total or pon your first written without cavil or argume without your needin	of Rs. Lakh demand declernt, any sum o	as (Rupeeslakhs only) an aring the Contractor to be in door sums within the limit of (Amour show grounds or reasons for	efault int of
This guarantee is valid ur	ntil the 2024.			
Authorized signatory's Si	gnature and Seal of Gu	arantors Bank	3	
			Date	
Address	Place			

# <u>VII.ANNEXURE – III</u>

# DETAILS OF THE BIDDER/CONTRACTOR

S.No.	Particulars	
1	Name of the Firm/ Organization/ Society:	
2	Year of Establishment:	
	Registration No. & Date :	
3	Complete Address:	
	Pin Code	
	Phone No.	
	Fax No.	
	e-mail:	
	Authorized person	
4	Name, Address: Designation Phone No. e-mail id	
	If Partnership Firm	
	a) Name & Address of all Partners	
5	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	PAN No. & Date:	
7	GST No.	
8	Branches:	
9	An <b>nua</b> l Turn-Over	
	For 20-21	

TENDER NO. SSSCT/E&P/24-25/014

	For 2021-22:	
	For 2022-23:	
10	Key personnel experience	
	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

# VIII.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

Sl No	List of the Documents (Duly attested by the Authorized person on all the documents)
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

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

\*If these have been submitted to the Trust while bidding for any other work during the year, may not be submitted again.

# IX. SITE VISIT DECLARATION

To
Sri Sathya Sai Central Trust,
Prasanthi Nilayam,
Puttaparthi (A.P)
NIT No. TND/ / / - Dated / /
Dear Sir,
I/WeUndersigned visited the project site onand
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-change.
Yours faithfully,
(Signature of the Tenderer)
Seal of Tenderer
Dated

# X. List of BIS Codes

# IS Codes for Mode of Measurements

IS 4081 (1986): Safety code for blasting and related drilling operations [CED 29: Construction Management including safety in Construction- Reaffirmed 2005]

IS 3764 (1992): Code of safety for excavation work [CED 29: Construction Management including safety in Construction- Reaffirmed 2002]

IS 1200-1 (1992): Methods of measurement of building and civil engineering works, Part 1: Earthwork [CED 44: Methods of Measurement of Works of Civil Engineering- reaffirmed 2002]

IS 2720-8 (1983): Methods of test for soils, Part 8: Determination of water content-dry density relation using heavy compaction [CED 43: Soil and Foundation Engineering- Reaffirmed 2006]

IS 7969 (1975): Safety code for handling and storage of building materials [CED 29: Construction Management including safety in Construction- Reaffirmed 2002]

# XI.TECHICAL SPECIFICATIONS FOR EXCAVATION AND SOIL FILLING WORKS:

### **GENERAL**

The excavation will generally refer to open excavation of foundation wet or dry and in all sorts of soils.

# **EXAMINING THE SITE**

The Contractor shall visit and ascertain the nature of the ground to be excavated and the work to be done and shall accept all responsibility for the cost of the work involved.

### **SETTING OUT**

The contractor shall set out the building or other involved works after clearing the get the same approved by Owner/Architects. It shall be the responsibility of the Contractor to install substantial reference marks, bench marks etc. and maintain them as long as required by the Owner/Architects. The contractor shall assume full responsibility for proper setting out, alignment, elevation and dimension of each and all parts of the work.

### GROUND LEVEL AND SITE LEVEL

Before commencement of excavation spot levels on an approved grid covering the entire plot shall be taken by the Contractor in consultation with the Owner/Architects and a proper record of these levels shall be kept jointly signed by the Contractor and the Owner/Architects. A block level plan showing all ground levels of the plot shall be prepared by contractor and shall also be jointly signed by the Contractor and the Owner/Architects.

# **EXCAVATION & PREPARATION OF FOUNDATION FOR CONCRETE**

Excavation shall include removal of all materials of whatever nature at all depths and whether wet or dry necessary for the construction of foundation and sub-structure (including mass excavation for basement underground reservoir where applicable) exactly in accordance with lines, levels, grades and curves shown in the drawings or as directed by the Owner/Architects. The bottoms of excavation shall be leveled both longitudinal and transversely or sloped as directed by the Owner/Architects.

Should the contractor excavate to a greater depth or width than shown on the drawing or as directed by the Owner/Architects, he shall at his own expense fill the extra depth or width in cement concrete in proportion as to be directed by the Owner/Architects but in no case with concrete of mix leaner than l:4:8 cement concrete.

The contractor shall report to the Owner/Architects when the excavations are ready to receive concrete. No concrete shall be placed in foundations until the contractor has obtained

Owner/Architects approval. In case, the excavation is done through different types of soil and if different rates are applicable as per provision in the Schedule of Quantities, the contractor must get the dimensions of the strata agreed by the Owner / Architects for payment. If no specific provision is made in the schedule of quantities it will be presumed that excavation shall be in all types of soil and the contractor's rate hall cover for the same.

After the excavation is passed by the Owner/Architects and before laying the concrete, the contractor shall get the depth and dimensions of excavation and levels (and nature of strata as applicable as per Schedule of Quantities like hard rock, soft rock) and measurements recorded by the Owner/Architects.

### **SHORING**

The sides of the excavations should be timbered and supported in such a way as is necessary to secure these from falling in, and the shoring shall be maintained in position as long as necessary. The contractor shall be responsible for the proper design of the shoring to be approved by Owner/Architect to hold the sides of the excavation in position and ensure safety of persons and properties etc. The shoring shall be removed as directed after the items for which it is required are completed. Unless otherwise mentioned in the Schedule of Quantities no extra payment will be made for shoring.

# **PROTECTION**

If instructed by the Owner/Architects all foundation pits and similar excavations shall be strongly fenced and marked with red lights at night to avoid accidents. Adequate protective measure shall be taken to make sure that the excavation does not affect or damage adjoining structures. All measures required for the safety of excavations, the people working in & around the foundation trenches, property and the people in the vicinity shall be taken by the contractor at his own cost. He shall be entirely responsible for any injury and damage to property caused by his negligence or accident due to his constructional operations, storage of materials etc.

# STACKING OF EXCAVATED MATERIALS

All materials excavated will remain the property of the Owner and rate for excavation shall include sorting out of useful materials and stacking them on site as directed. Materials suitable and useful for back filling, plinth filling or leveling of the plot or other use shall be stacked in convenient places but not in such a way as to obstruct free movement of men, animals and vehicles or encroach on the area required for constructional purposes.

# **BACKFILLING**

All shoring and form work shall be removed after their necessity ceases and trash of any sorts shall be cleaned out from the excavation. All space between foundation masonry or concrete and sides of excavation shall be refilled to the original surface with approved excavated materials in layers 15cm in thickness watered and rammed. The filling shall be done after concrete or masonry is fully set and done in such a way as not to cause undue thrust on any part of the structure. Where suitable excavated materials are to be used for refilling it shall be brought from the place where it is temporarily stacked and used in refilling.

No excavation of foundations shall be filled in or covered up until all measurements of excavations, masonry concrete and other works below ground level are jointly recorded. Black cotton soil shall not be used for back filling or in plinth filling.

### DEWATERING

Rates for excavation shall include bailing or pumping out water which may accumulate in the excavation during the progress of work either from seepage, springs, rain or any other cause and diverting surface flow if any by bunds or other means. Pumping out of water shall be done in such approved manner as to preclude the possibility of any damage to the foundation trench concrete or masonry or any adjacent structure. When water is met in foundation trenches or in tank excavations, pumping out water shall be carried out from auxiliary pit of adequate size dug slightly outside the building excavations. The depth of auxiliary pit shall be more than the working foundation trench levels. The auxiliary pit shall be refilled with approved excavated materials after the dewatering is over.

The excavation shall be kept free from water when concrete and/or masonry works are in progress and till they come above the natural water level and till the Owner/Architects consider that the concrete/mortar is sufficiently set.

# **SURPLUS EXCAVATED MATERIALS:**

All excavated materials certified as surplus and not useful shall be removed by the Contractor from the site in an approved manner with the approval of the Local Authority as required to his own dump and shall be paid as a separate item as in the Schedule of Quantities. No extra claim on any account will be paid.

The items of removal of surplus excavated materials shall only be undertaken by the Contractor when specific instruction in this regard has been obtained from the Owner/Architects. The contractor must also secure the approval of the Owner / Architects regarding the quantity of surplus materials to be removed prior to commencement of this item of work.

### RATES TO INCLUDE FOR EXCAVATION ITEMS

Apart from other factors mentioned elsewhere in this contract, rates for the item of excavation shall also include for the following:

- i) Clearing Site (Unless otherwise extra item added in the B.O.Q.)
- ii) Setting out works as required.
- iii) Providing shoring and shuttering to avoid sliding of soil and to protect adjacent structures and subsequently by removing the same, if not started separately in the schedule of quantities.
- iv) Bailing and pumping out water as required and directed.
- v) Excavation at all depth (unless otherwise specified in the bill of quantities) and removal of all materials of whatever nature wet or dry and necessary for the construction of foundation underground reservoir etc. and preparing bed for laying concrete.
- vi) Sorting out useful excavated materials and conveying beyond the structure and stacking them neatly on the site for back filling or re-use as directed.
- vii) Necessary protection works involving, labour, materials, and equipment to ensure safety and protection against risk or accident.
- viii) Drilling of small holes as directed to explore the nature of substrata if necessary.

# RATES TO INCLUDE FOR BACKFILLING ITEM

Apart from other factors mentioned elsewhere in this contract, rates for the item of backfilling item of work shall also include for the following:

- i) Backfilling the trenches alongside masonry or concrete with approved excavated materials up to the natural ground level in layers as specified including watering and ramming.
- ii) Earth filling in Plinth

If there is approved surplus earth after back filling the sides of excavations, the same will be used for plinth filling if required. Any additional quantities of good quality earth, if required for plinth filling, shall be brought to the site, by the contractor from outside. No borrow pits shall be opened on the site. Filling in plinth shall be done in layers of 15cm thick each layer being consolidated by ramming and watering. The payment of back filling item shall be made on measurement of finished consolidated quantity, arrived by difference levels taken before and after the backfilling.