Date: 15-07-2025

TENDER NO. SSSCT/PROC/25-26/E&P/017

TENDER DOCUMENT

SRI SATHYA SAI CENTRAL TRUST PRASANTHI NILAYAM, PUTTAPARTHI



WORKS TENDER NOTIFICATION

EXTERNALPHE WORKS OF DORMITORY CUM ROOMS BLOCK AT PRASANTHI NILAYAM A, B AND C BLOCKS

Address for communication:

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/PROC/25-26/E&P/017

Name of work: External PHE works of Dormitory cum Rooms Block At Prasanthi Nilayam A, B And C Blocks—Estimated cost Rs.92 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 External PHE works of Dormitory cum Rooms Block At Prasanthi Nilayam A, B And C Blocks

- 1. Scope of work: PHE 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) 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)
- 3. The Bidder shall furnish the following documents soft copy through mail i,e 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 28-July-2025
 - 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 28-July-2025 at 11.00 AM

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I-WORKS BID

INVITATION OF BIDS FOR EXTERNAL PHE WORKS OF DORMITORY CUM ROOMS BLOCK AT PRASANTHI NILAYAM A, B AND C BLOCKS

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
	Name of the Work	External PHE works of Dormitory cum Rooms Block At Prasanthi Nilayam A, B And C Blocks
3.	Place at which Tender documen tavailable	Tender Document can be downloaded from Website: http://tenders.sssct.org/PHE_Work_at_A_B_C_Blocks_DCRB_PSN.pdf
4.	Earnest Money Deposit (EMD)	Estimated Value of the Bid Rs.92 Lakhs EMD: 92,000/- (Rupees Ninety two 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. SSSCT PROJECTS-INDIAN FUNDS UTILIZATION A/C No: 39117267217. IFSCODE:SBIN0010480 STATE BANK OF INDIA, PRASANTHI NILAYAM

5.	Security	
	Deposit	Further Security Deposit of 1.5% is to be paid by the selected Bidder
6.	Last Date	
	for	28.07.2025 (Until 11.00 AM)
	Submissio	
	n of Bid	

1. PROCEDURE FOR BID SUBMISSION:

The Bidder shall submit the Bids on or before 28.07.2025 (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.

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.SPECIAL CONDITIONS OF CONTRACT

- 1. SCOPE OF WORK: External PHE works of Dormitory cum Rooms Block At Prasanthi Nilayam A, B And C Blocks.
- 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 total EMD/FSD of 2.5% of successful contactor will be released after Defect liability period of 24 months after completion of the work.
- 3. **DURATION OF THE CONTRACT**: 120 Days 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. **DEFECT LIABILITY PERIOD**: 24 months from the date of handing over. The work completed in all respects as per BOQ and conditions of Contract.

- **12. RETENTION AMOUNT**: 5% of the bill value will be deducted from each R.A. Bill. And same will be released to the contractor along with Final bill after satisfactory completion work. The FSD amount release after 24 months.
- 13. MODE OF MEASUREMENT: As per IS Codes.
- 14. 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.
- 15. **STATUTORY REQUIREMENTS:** Contractors shall arrange to pay the WCP Insurance, on mining material and all other necessary formalities required to execute the work.
- 16. **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.
- 17. Mobilization advance: No mobilisation advance will be paid by the owner
- 18. 'The contractor must employ well qualified masons and foreman's (supervisors) to monitor work. The person must be dedicated full time for the project'.
- 19. The tender related queries mail ID: ce@mail.sssct.org
- 20. → All Technical queries Cell no-9398985071("Gangi Reddy"). ©
 - a. Location link for Tender submission:https://maps.app.goo.gl/8wErz5WksHFKF7PX8

IV.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)

<u>V.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 nua l Turn-Over	
	For 21-22	

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	For 2022-23:	
	For 2024-25:	
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

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.
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

LIST OF BRAND/MAKE TO BE USED

Cement - Ultratech, ACC, Dalmia, JSW ,RAMCO- OPC 43/53 grade

Steel reinforcement bars/Rods - TATA/ Jindal Neo FE500-FE550 /Vizag steel/SAIL

CPVC /UPVC/PVC-pipes & its accessories - Astral, Supreme, Ashirwad

PHE items & accessories/fittings - Cera, Parryware, Hindware , Jaguar, JAL (Havay duty) & watertec ,Slimline ,SEIKO

Valves- Zolotto, Kartar / Astral, Watertec(PVC, GI,SS)

Electrical items – Crompton Greaves, Polycab, Finolex, Havells, Legrand, Gloster(cables), C&S, ABB, Philips, Schneider, HPL. Wires should be FRLSH. KEI (Cable), Atom berg, Roma Anchor, Anchor Penta, L&T indo asian and Akarui.

Tiles - Kajaria, Somany, Johnson, AGL, RAK Regency

Paints - Asian, Berger, Nerolac, JSW.

Pumps- Kirloskar, KSB.(CRI Wilo for hot water)

Extinguishers - Safex, Ceasefire, Kanex.

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.

VIII. 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

Bill of Quantities

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make and provided with stainless steel ball (AISI 304) and spindle (AISI 410), glass filled Teflon seating and gland packing etc., complete. The valve shall be fixed after the union of PVC as per standard practices . The quoted rate shall also include the cost of the union, nipples etc any specials, complete. 25mm dia (Screwed ends) 32 mm dia (Screwed ends) 40 mm dia (Screwed ends) 50 mm dia (Screwed ends) Nos 24.00 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever : Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. 6.00 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc., complete. 50 mm dia Nos 4.00 Nos 4.00 Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relevent IS standards with unions etc., complete. Domm dia Nos RO		Scandidnig, support system etc for er ecction in conductor scope etc air of approved makes						
seating and gland packing etc, complete. The valve shall be fixed after the union of PVC as per standard practices. The quoted rate shall also include the cost of the union, nipples etc any specials, complete. 25mm dia (Screwed ends) 32 mm dia (Screwed ends) Nos 20.00 40 mm dia (Screwed ends) Nos 24.00 50 mm dia (Screwed ends) Nos 22.00 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile	5.0	Supply and fixing of lever operated Forged bronze or Brass Threaded Ball valves of approved						
standard practices . The quoted rate shall also include the cost of the union, nipples etc any specials, complete. 25mm dia (Screwed ends) 32 mm dia (Screwed ends) 40 mm dia (Screwed ends) 50 mm dia (Screwed ends) Nos 20.00 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM stem Seal: Black Nitrile / EPDM with WRAS approved "0" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever : Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges apper BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc. 50 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with cluck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 8.0 Supplying, installing and testing approved make p. MOC Brass or C.I Y - strainer with cluck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 8.0 Supplying, installing and testing approved make Brass or forged bronze Nor return Valves for pumps conforming to relavent IS standards with unions etc., complete.		make and provided with stainless steel ball (AISI 304) and spindle (AISI 410), glass filled Teflon						
Specials, complete. Nos 32.00								
25mm dia (Screwed ends)								
32 mm dia (Screwed ends) 40 mm dia (Screwed ends) 50 mm dia (Screwed ends) Nos 22.00 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Duttile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Seal: Black Nitrile / EPDM with WRAS approved "0" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table I, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. 6.00 80 mm dia Nos. 6.00 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos 4.00 100mm dia Nos 4.00 Nos RO 80 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.			Nes	22.00				
40 mm dia (Screwed ends) 50 mm dia (Screwed ends) 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. Nos RO 50 mm dia Nos 4.00 75mm dia Nos 4.00 Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
50 mm dia (Screwed ends) 6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "0" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 55 mm dia Nos RO 100mm dia Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
6.0 Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with C.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 65 mm dia Nos A.00 75 mm dia Nos A.00 100mm dia Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. RO 7.0 Supplying, installing and testing approved make, MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 75mm dia Nos 4.00 75mm dia Nos A.00 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc 50 mm dia								
Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever : Cast iron Standard: BS 5155 / MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. RO 80 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 65mm dia Nos 4.00 75mm dia Nos 4.00 100mm dia Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. RO 80 mm dia Nos. RO 50 mm dia Nos. RO 7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent 1S standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 65mm dia Nos 4.00 75mm dia Nos 4.00 Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent 1S standards with unions etc., complete.								
adopters etc, Hand lever: Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia								
BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc., 50 mm dia Nos. RO 65 mm dia Nos. 6.00 80 mm dia Nos. RO Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 65mm dia Nos RO 75mm dia Nos 4.00 75mm dia Nos 4.00 Nos RO 100mm dia Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
50 mm dia 65 mm dia 80 mm dia Nos. RO 80 mm dia Nos mm dia								
80 mm dia Nos. RO Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 65mm dia Nos 4.00 75mm dia Nos 4.00 Nos RO 100mm dia Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.		50 mm dia	Nos.					
7.0 Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos RO 75mm dia Nos 4.00 75mm dia Nos RO 100mm dia Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos 65mm dia Nos 75mm dia Nos 4.00 100mm dia Nos RO Nos 4.00 Nos 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.		80 mm dia	Nos.	RO				
with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos 65mm dia Nos 75mm dia Nos 4.00 100mm dia Nos RO Nos 4.00 Nos 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.	7.0	Cumbring installing and testing annuoused make MOC Ducce CLV						
standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc, complete. 50 mm dia Nos 65mm dia Nos 75mm dia Nos 4.00 100mm dia Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.	7.0							
50 mm dia 65mm dia Nos RO 65mm dia Nos 4.00 75mm dia Nos 4.00 Nos 4.00 Nos RO 100mm dia Nos RO Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
65mm dia Nos 4.00 T5mm dia Nos 4.00 T5mm dia Nos 4.00 T5mm dia Nos			Nos	RO				
75mm dia Nos 4.00 100mm dia Nos RO 8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.								
8.0 Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.		75mm dia						
pumps conforming to relavent IS standards with unions etc., complete.		100mm dia	Nos	RO				
pumps conforming to relavent IS standards with unions etc., complete.	0.0	Complete and the Miner and the						
	8.0							
1/5 mm (ii) 1 Noe 1 7 iii 1 1		pumps conforming to relavent 1S standards with unions etc., complete. 75 mm dia	Nos	2.00				

	<u>, </u>		1			
	65 mm dia	Nos	4.00			
	50 mm dia	Nos	6.00			
	40 mm dia	Nos	2.00			
	32 mm dia	Nos	RO			
9.0	Supplying, installing and testing approved make Pressure reducing Valves - PRVs for piping					
	system conforming to relavent IS standards with unions etc., complete.					
	50 mm dia	Nos	RO			
	40 mm dia	Nos	RO			
	25 mm dia	Nos	RO			
	25 mm did	1105	110			
10.0	Supplying, installing and testing approved make and MOC brass or forged bronze Air realease					
10.0						
	valves ARV, for piping system conforming to relavent IS standards with unions, screwed nuts					
	etc., complete.	N	DO.			-
	25 mm dia	Nos	RO			
	20 mm dia	Nos	10.00			
11.0	Supply, installation of Food grade, non toxic PVC multilayered at least 5-6mm thick each, anti					
	bacterial water storage - Over head water tanks with all necessary fittings like overflow, inlet,					
	-					
	outlet pipe provisions, outlet and inltet flanges / puddle flanges, isolation Ball/Butterfly valves, Y					
	strainer all in brass or forged bronze valves, pedestals, vent pipes, etc complete.					
	Capacity; 5000 Liters	Nos	RO			
		1.00			1	1
12.0	Supply and fixing in position Brass analog water meters conforming to IS 770/94 with manually				1	
12.0					1	
	read, and BMS compatible allowing for smart metering, hermetically sealed, having SS gears of				1	
	approved make with necessary fittings etc., complete. Contractor to provide both Conventional				1	
	and Electromagnetic meters are mentioned below at required locations. This is inclusive of all				1	
					1	
46.1	brass Ball valves, brass or bronze NRVs, and other related accessories etc complete.					
12.1	Conventional - near WTP Pump room and DWS at Terrace					
	32 mm dia	Nos	RO		_	
	40 mm dia-	Nos	1.00			
	50 mm dia - for borewell line	Nos	1.00			
	65 mm dia-for municipal/Tanker water line	Nos	2.00			
		Nos	RO			
12.2	Electromagnetic meter - STP inlet and outlet					
	50 mm dia from STP	Nos	RO			
13.0	Constructing Valve chamber in 230 mm thick TM brick in CM 1:6, The chamber is constructed					
	over 100 mm thick PCC 1:4:8 internal and external plastering in CM 1:4, The base & side walls of					
	the chamber to be water proofed with water proofing plaste, with FRP frame and air tight cover,					
	capable to with stand adequate loads wherever fixed. The quoted rate shall include for necessary					
	excavation in all sort of soil, back filling, consolidation and disposing surplus materials as directed					
	within a lead as allowed by authorities etc., complete					
	a) 750 x 750 mm clear opening	Each	2.00			
	TOTAL PART A					
PART B	SEWAGE SYSTEM					
1.0	Supply and fixing of Type - B SWR PVC pipe soil & waste pipes jointed / pasted solvent cement of					
	good quality lubricant and ringfit for verticals in shafts inclusive of all necessary specials like					
	bends, tees, offsets, junctions, pan connector, cowls etc., with all Chasing in walls, by machine					
	drilling, laid under floor / under ceiling / on walls with suitable clamps including making bores in				1	
	masonry / RCC slabs etc., and rendering the bores in cement mortar after laying the pipes and				1	
	specials curing etc., complete. making/cutting holes in floors and refilling it after pipe laying by				1	
	cement mortar of 1:3 mix (1 Portland Cement : 3 hard settling cement compound) and making				1	
	good the walls etc as directed by the Engineer in charge.etc complete				1	
	75 mm OD (waste water)	Rmt	174.00			
	110 mm OD (Internal works sewage)		360.00		_	
	160 mm OD Soil pipe	Rmt			1	
	200 mm OD Soil pipe	Rmt	240.00			+
	200 mm OD Coil pipe	Rmt	110.00			
	300 mm OD Soil pipe	Rmt	85.00		-	
2.0	Supplying, Pipe Supports factory made G.I slotted wall brackets channelled rails upto 2.5mm				1	
	thick , used to fix pipes with threaded rods for necessary lengths, fastening with screwed end				1	
	anchor type bolts, clamps arrange for scaffolding, support system etc for ereection in contractor				1	
					1	
	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall					
	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall					
	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements.	Kg	130.00			
	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per	Kg	130.00			
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list	Kg	130.00			
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including	Kg	130.00			
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including					
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20	Kg Cum	130.00			
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cms in depth including consolidation danger lighting pumping out water removing the slush and					
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cms in depth including consolidation danger lighting pumping out water removing the slush and sullage etc., and disposing the surplus excavated earth within a lead of 50 m or as directed. (Pipes					
3.0	scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements. Make: Factory ready branded brackets also can be considered per approved makes list Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cms in depth including consolidation danger lighting pumping out water removing the slush and					

4.0	Providing Inspection chamber with 230 mm best quality approved table moulded bricks in CM						
	1:4 over a bed of 100 mm thick PCC 1:4:8 walls plastered inside smooth in CM 1:3 and outside in						
	CM 1:6, necessary excavation in all sorts of soil, back filling, consolidation and disposing the						
	surplus material within lead of 50 m or as directed, benching and channelling in PCC 1:2:4 as per						
	drawing and supply and fixing of FRP frame and cover air tight fit to carry adequate loads as per						
	the position of the chambers etc. The base & side walls of the chamber to be water proofed with						
	water proofing plaster complete (Depth of chamber not exceeding 1.2 m).						
	600 x 600 mm clear opening (weight of frame and cover medium duty)	Each	30.00				
	450 x 450 mm clear opening (weight of frame and cover medium duty)	Each	RO				
	Too it is a minimum clear opening (weight or name and cover mediam day)	<u> </u>	110				
5.0	Providing and fixing of square mouth gully trap complete with CI grating brick masonry						
5.0	chamber 115 mm thick using table moulded bricks in CM 1:4 over a bed of 75 mm thick PCC 1:4:8,						
	internal and external plastering in CM 1:4, 12 mm thick supply and fixing of FRP frame and cover						
	air tight fit to carry adequate loads as per the position of the chambers etc The quoted rate should						
	include for necessary excavation in all sorts of soil, returning, filling, and connecting to						
	chamber.The base & Side walls of the chamber to be water proofed with water proofing plaster etc., complete.						
	450 x 450mm `P' or `S' trap.	Each	41.00				
	430 x 430 mm F 01 3 trap.	Eatii	41.00				
6.0	Providing and Construction of Manhole with best quality, approved table moulded bricks in CM	1	 	<u> </u>	+	+	+
0.0							
1	1:6, 500mm dia at top and 1200mm dia.at bottom over a bed of 250mm thick PCC 1:4:8, walls		İ			1	İ
	plastered smooth inside in CM 1:3 and outside with CM 1:3 with sponge finish, benching and						
	channeling in PCC 1:2:4. supplying and fixing PVC steps as per drawing for maintenance. The						
	manhole shall be supply and fixing of FRP frame and cover air tight fit to carry adequate loads as		1				1
	per the position of the chambers etc with . Circular 660mm dia. Clear opening etc., complete. The		1				1
	quoted rate shall also include for necessary excavation, refilling, disposing off surplus earth with		1				1
<u> </u>	in a lead of 300M etc., complete.	N	2.00		+	-	+
	Depth upto 2.0 Mtrs.	Nos.	2.00				
	Depth upto 1.8 Mtrs.	Nos.	6.00				
7.0	Providing and fixing of grease trap / grease seperator for pantry/kitchen waste in SS		 		+		
7.0							
	fabricated as per standard size of 1200mmx1000mm detailed to seperate grease from waste						
	water from kitchen embedded in complete with top cover CI grating and chamber in block/ brick						
	masonry chamber 115 mm thick using table moulded bricks or cement blocks solid in CM 1:4 over						
	a bed of 75 mm thick PCC 1:4:8, internal and external plastering in CM 1:4, 12 mm thick supply						
	and fixing of 300 x 300 mm size CI frame and cover. etc., complete. (Location near STP)						
	1200mm x 800mm grease trap in SS 304 and chamber details as given above	Each	RO				
	1200 min x 600 min grease trap in 55 504 and chamber details as given above						
	TOTAL PART C	Each	RO				
	TOTAL PART C	Each	RO				
PART C	TOTAL PART C RAIN WATER SYSTEM	Eacii	No				
PART C 1.0		Each	No				
	RAIN WATER SYSTEM		NO .				
	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded		No				
	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine		NO				
	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement		NO				
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a 2.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia	No.s No.s No.s No.s Mtr Mtr	22.00 2.00 RO				
a 2.0 3.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia 300mm dia 450mm dia 600mm dia	No.s No.s No.s No.s Mtr Mtr Mtr	22.00 2.00 RO RO RO RO				
a 2.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia 300mm dia 450mm dia Supply & Fixing of Rain water, side mounted or Vertical Khurrah as per the site condition of MOC	No.s No.s No.s No.s Mtr Mtr Mtr	22.00 2.00 RO RO RO RO				
a 2.0 3.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia 110 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia 300mm dia 450mm dia Supply & Fixing of Rain water, side mounted or Vertical Khurrah as per the site condition of MOC C.I with all accessories etc complete as per detailed drawing.	No.s No.s No.s No.s Mtr Mtr Mtr Mtr Mtr	22.00 RO RO RO RO RO				
a 2.0 3.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia 110 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia 450mm dia 5upply & Fixing of Rain water, side mounted or Vertical Khurrah as per the site condition of MOC C.I with all accessories etc complete as per detailed drawing.	No.s No.s No.s No.s No.s No.s	22.00 RO RO RO RO RO RO				
a 2.0 3.0	RAIN WATER SYSTEM Supplying and Constructing brick Catch basin with `75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing. (The rate shall include earth work excavation and back filling) Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame. Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete. Make - RAINY filters TM 160 mm dia Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete. Location: for External capping for crossover pipes or storm water 200mm dia 300mm dia 450mm dia 600mm dia Supply & Fixing of Rain water, side mounted or Vertical Khurrah as per the site condition of MOC C.I with all accessories etc complete as per detailed drawing. 160 mm pipe	No.s No.s No.s No.s No.s No.s No.s	22.00 RO RO RO RO RO RO 4.00				
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5.0	Supply and fixing (4 kg/cm2) class 'A' Rigid PVC pipes Conforming to IS 4985 (For Terrace Rain					
	water & Balcony)) of approved make with necessary specials like bend, shoe, grating, clamps,					
	screws etc., including jointing the pipes and specials with solvent cement and cutting the pipes					
	required lengths Rate quoted should include for moulded bends, enlarger & leaf trap complete at					
	each outlet. etc., complete at all heights and depths. (Rain water only)					
	160 mm 0D	Rmt	360.00			
	110 mm 0D	Rmt	120.00			
	75 mm 0D	Rmt	60.00			
	65 mm OD	Rmt	R0			
6.0						
6.0	Supplying and Construction of Rain water recharge pit/well of size mentioned below upto					
	1500mm clear internal dimension for external storm water soaking with 50mm thick walls in					
	concentric rings fixed in CM 1:4 over a bed of 100 mm thick . Fixing precast RCC grating of size	Nos	10.00			
	450 x 500mm on top surface flushed to the finished floor level with necessary excavation, back					
	filling the selected excavated earth with all leads and lifts etc., complete.					
	inimig the selected excavated cartif with an leads and into etc., complete.					
	TOTAL PART C					
PART D	PUMPS & ACCESSORIES					
1.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Monobloc					
	Pump with level control float valve of adequate HP capable of giving required discharge at					
	suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump,					
	providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly					
	valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc and piping		1	1		
	(which is also operated under specific item in PART B of BOQ) with standard starter panel and		İ		1	
	accessories, with Making necessary electrical connections with adequate length of cables					
	(including making power supply connection from mains to the pump control panel) shall be		1	1		
	carried out by electrical contractor. Cost of electrical works is to be included under this item etc.,		İ		1	
	complete.		İ		1	
	NOTE :(Only PUMP Will be Supply SSSCT)		İ		1	
i	DOMESTIC TREATED WATER LIFT FROM UG.SUMP TO OHT					
	Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY)					
	Capacity: 5 LPS @ 35 m Head	set	3.00			
ii	FLUSHING WATER FROM STP TREATED WATER SUMP					
	Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY)					
	Duty: 8 lps Cum @ 55 m head	Set	1.00		-	
2.0						
2.0	Collecting from store, installing/fixing, testing, & commissioning of approved make					
	monobloc/Submersible Pump with float valve of adequate HP capable of giving required					
	discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing					
	the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type					
	butterfly valve and approved make with necessary flanges, nuts, bolts, rubber insertions etc nd piping which is covered under specific item in PART 2 of BOQ with standard starter panels and					
	accessories, with Making necessary electrical connections with adequate length of cables					
	(including making power supply connection from mains to the pump control panel) shall be					
	carried out by electrical contractor. Cost of electrical works is to be included under this item etc.,					
	complete.					
	DEWATERING PUMP - BASMENT COLLECTION SUMP					
	Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY)					
	Duty :3lps Cum @ 25m head (1 Working + 1 Stand BY)	Set	RO			
3.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Terrace					
	Booster pump with in built pressure tank of adequate HP capable of giving required discharge at					
	suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump,		İ		1	
	providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly		1	1		
	valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc nd piping		İ		1	
	which is operated under specific item in PART 2 of BOQ with standard starter panels and		İ		1	
	accessories, with Making necessary electrical connections with adequate length of cables		İ		1	
	(including making power supply connection from mains to the pump control panel) shall be		1	1		
	carried out by electrical contractor. Cost of electrical works is to be included under this item etc.,		İ		1	
	complete. DOMESTIC WATER FROM OHT TO RING MAINS FOR UPPER FLOORS ONLY			1	1	
	Make:Grundfos/wilo		 	 	1	
	Capacity: 1.5 LPS @ 10 m Head (1 Working + 1 Stand BY)	set	RO	1	1	
		550	1	1	1	
4.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Submersible ,					
	Sewage sludge/ Cutter Pump with float valve of adequate HP capable of giving required		1	1		
	discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing		İ		1	
	the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type		İ		1	
	butterfly valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc nd		İ		1	
	piping which is covered under specific item in PART 2 of BOQ with standard starter panels and		İ		1	
	accessories, with Making necessary electrical connections with adequate length of cables		İ		1	
	(including making power supply connection from mains to the pump control panel) shall be		1	1		
	carried out by electrical contractor. Cost of electrical works is to be included under this item etc.,				1	
	complete.			1		
	SLUDGE PUMP -AT STP TO EXTERNAL SEWER NETWORK Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY)			-	1	
	Duty: 3lps Cum @ 25 m head (1 Working + 1 Stand BY)	Set	1.00	 	1	
	Day . Sips can @ 25 in near (1 working + 1 stand b)	sei	1.00	 	1	
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Colecting from some multilarity from; testing & commissioning of approved make solutionally appear of content 10 regulated for protein a matable and to work on minky? PITY_CPIY_ ippes with value type one return valve, butterly value of approved make with severally impact, such colors into insertions or early content dataset parts and advanced in the several proteins of the several prote	5.0							
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	* Dressing the excavated area to desired slope and level.	T I				
	* Providing and laying PCC 1:4:8 100mm thick				-	
	* Providing and constructing side walls & bottom slab of 100mm thick in RCC					
	* Finishing and plastering gutter face etc., complete					
	* Size :600mm wide and depth 600mm					
	The quoted rate shall exclude steel reinforcement.					
	To be taken up in CIVIL Quantity	RFT	RO			
		_				
4.0	Supply and Installation of MS or C.I Grating over basement waste water trenches of adequate	Rmt	RO			
	width as per the adequate thickness, of factory ready MOC in G.I or M.S fabricated as per the					
	architectdesign etc with all necessary civil works and finishes as per site incharge instructions.					
	450MM wide					
= 0	Core Drilling & Sleeve Fixing					
5.0	Drilling with core cutting machine in RCC slabs/Beams, floors etc., for Laying pipes and rendering					
	the same in RCC 1:2:4, finishing the same to the satisfaction of the owner or his authorized					
	representative etc., including nominal reinforcement wherever required complete. The quoted					
	rate shall also include for providing EPOXY based water proofing compound including grouting					
	GP2 Conbextra/ Eurobuild or equivalent for sealing the joints around the pipes.			1	-	
	RCC beams					
	25mm dia upto 50 mm dia.pipes.	R.O				
	50mm dia upto 110 mm dia.pipes.	R.O				
	110mm dia. upto 160 mm dia.pipes.	R.O				
	RCC slabs	D 0				
	25mm dia upto 50 mm dia. Pipes.	R.O				
	50mm dia upto 110 mm dia. Pipes.	R.O				
	110mm dia. upto 160 mm dia. Pipes	R.O				
	RCC walls	D 0				
	25mm dia upto 50 mm dia. Pipes.	R.O				
	50mm dia upto 110 mm dia. Pipes.	R.O				
	110mm dia. upto 160 mm dia. Pipes.	R.O				
	Core drilling in Block walls (not exceeding 400 mm thick)	R.O				
	25mm dia upto 50 mm dia.pipes. 50mm dia upto 110 mm dia.pipes.	R.O				
	110mm dia. upto 160 mm dia.pipes.	R.O				
	110mm dia. upto 160 mm dia.pipes.	K.U				
6.0	Supply of Indication Sticker and rendering, flow direction indicating arrows over all the drainage					
0.0	11.7	Lumman	1.00			
	& water supply pipes etc related work, in pump room, terrace etc shafts as instructed by site in	Lumpsum	1.00			
	charge.					
7.0	Any Additional Labour for temporory works			1	1	
7.0	Plumber	Nos.	RO	1	1	
	Helper	Nos.	RO RO	+	+	
	TOTAL PART E	1105.	NO.			
	IUIAL PARI E			1		
SL.NO	SUMMARY - COMMON WORKS				SUPPLY	INSTALLATION
	WATER SUPPLY SYSTEM - TERRACE, SHAFTS & EXTERNAL GROUND LEVEL PIPING			+	JUFFLI	INSTALLATION
	SEWAGE & RAIN WATER SYSTEM					
	RAIN WATER STSTEM					
	PUMPS & ACCESSORIES					
	MISCELLANEOUS WORKS			 	+	1
IANIE	PRIOCEDERIALO CO WORKS			 	- 	
	TOTAL					
	GRAND TOTAL			1		
	ADD GST @ 18%	l I				
	מעם מטון פון נפון מענא 1070	l		<u> </u>		