



Request for Proposal (RFP)

For

Providing additional arrangement of sewage treatment for 02 Nos Phytorid bed based Sewage Treatment Plants (STPs) at South Asian University (SAU) Campus, Maidangarhi, Delhi-110068.



SOUTH ASIAN UNIVERSITY

Rajpur Road, Maidangarhi, Delhi-68

(RFP No. : 58/RFP/SAU/2025)

October 2025

Date of Uploading – 31st October 2025



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Request for Proposal (RFP)

for

Request for Proposal (RFP) For Providing additional arrangement of sewage treatment for 02 No's Phytorid bed based Sewage Treatment Plants (STPs) at South Asian University (SAU) Campus, Maidangarhi, Delhi-110068.

South Asian University, (SAU), invites sealed proposals on behalf of the **President, SAU**, from the eligible agencies dealing with Construction and operating of Sewer Treatment Plants, for the above cited work, so as to reach his office on or before 21.11.2025 up to 3.00 P.M. For more details, please refer attached terms and conditions along with schedule of items. Copy of this Request for Proposal (RFP) can also be downloaded from SAU website; www.sau.int.

Encl: a) RFP Document (5 pages) and Annexures I to VI




31.10.25
Superintending Engineer
South Asian University

Important information for Bidder

Name of work: Request for Proposal (RFP) For Providing additional arrangement of sewage treatment for 02 Nos Phytorid bed based Sewage Treatment Plants (STPs) at South Asian University (SAU) Campus, Maidangarhi, Delhi-110068.

The Registrar, South Asian University, (SAU), invites sealed proposals on behalf of the **President, SAU**, from the eligible agencies dealing in Construction and operating of Sewer Treatment Plants, for the above cited work, according to the requirements as defined in the RFP document.

RFP Reference Number	58/RFP/SAU/2025
Name of Work / Services	Providing additional arrangement of sewage treatment for 02 No's Phytorid bed based Sewage Treatment Plants (STPs) at South Asian University. (SAU) Campus, Maidangarhi, Delhi-110068.
Pre-Bid Meeting	14.11.2025 (15:00 hrs)
Last Date of Submission of Proposals	21.11.2025 (15:00 hrs)
Time and Date of Opening of Proposals	21.11.2025 (15:30 hrs)

Location of the STP	Near Housing Block A and Academic Block 3 (Earth Science)
Capacity of STPs	260 KLD and 380 KLD

Interested parties may view and download the RFP document containing the detailed terms & conditions from the website www.sau.int/TENDERS.

The proposals must be submitted offline in sealed envelope in the Office of the Superintending Engineer, 1st Floor, Administration Building, South Asian University Campus, at Rajpur Road, Maidangarhi, New Delhi-110068.



Name of work: Request for Proposal (RFP) For Providing additional arrangement of sewage treatment for 02 Nos Phytoid bed based Sewage Treatment Plants (STPs) at South Asian University (SAU) Campus, Maidangarhi, Delhi-110068.

The South Asian University (SAU), an International University (jointly established by eight members States of the SAARC region by an act of Parliament 2008) is located at Rajpur Road, Maidangarhi, New Delhi-110068. The SAU campus is connected to main Chattarpur road at Satbari via a two lane Gaushala road. The campus construction is fully funded by the Govt. of India, through the Ministry of External Affairs (MEA). construction of proposed campus at Madaingarhi, Delhi.

As of now, The University has constructed 5 Buildings under package -II and 7 Buildings under package-III respectively, wherein disposal of sewage was planned as per NEERI approved Phytoid bed based technology. Accordingly two plants have been constructed of capacity 260 KLD and 380 KLD along with filtration system. Treated water is being used for flushing, irrigation and HVAC system.

The copy of layout and drawings of STP are attached herewith for reference. However, the quality of treated discharge is not upto the mark as it has odor and colour. Hence the system needs improvement with upgraded technology.

1. ELIGIBILITY CRITERIA for submission of RFP: the agency those are working in the field of sewage treatment plants are requested to submit their proposals in sealed envelopes containing the technical proposal and financial implication. The eligibility is as under;
- a) The agency should have experience of designing / construction and operating sewage treatment plants for not less than 10 years.
- b) At least one work of more than 140KLD, STP should have completed in any Government/Semi Government/Autonomous Body/ any reputed private organization etc.
- c) Good Financial Health of an individual/firm/company as the case may be in terms of working capital turnover.
- d) The agency should submit the proof of experience issued by employer / department.
- e) The agency must have Pan number and GST number etc.
- f) The agency must submit the performance certificate of STP constructed by them.

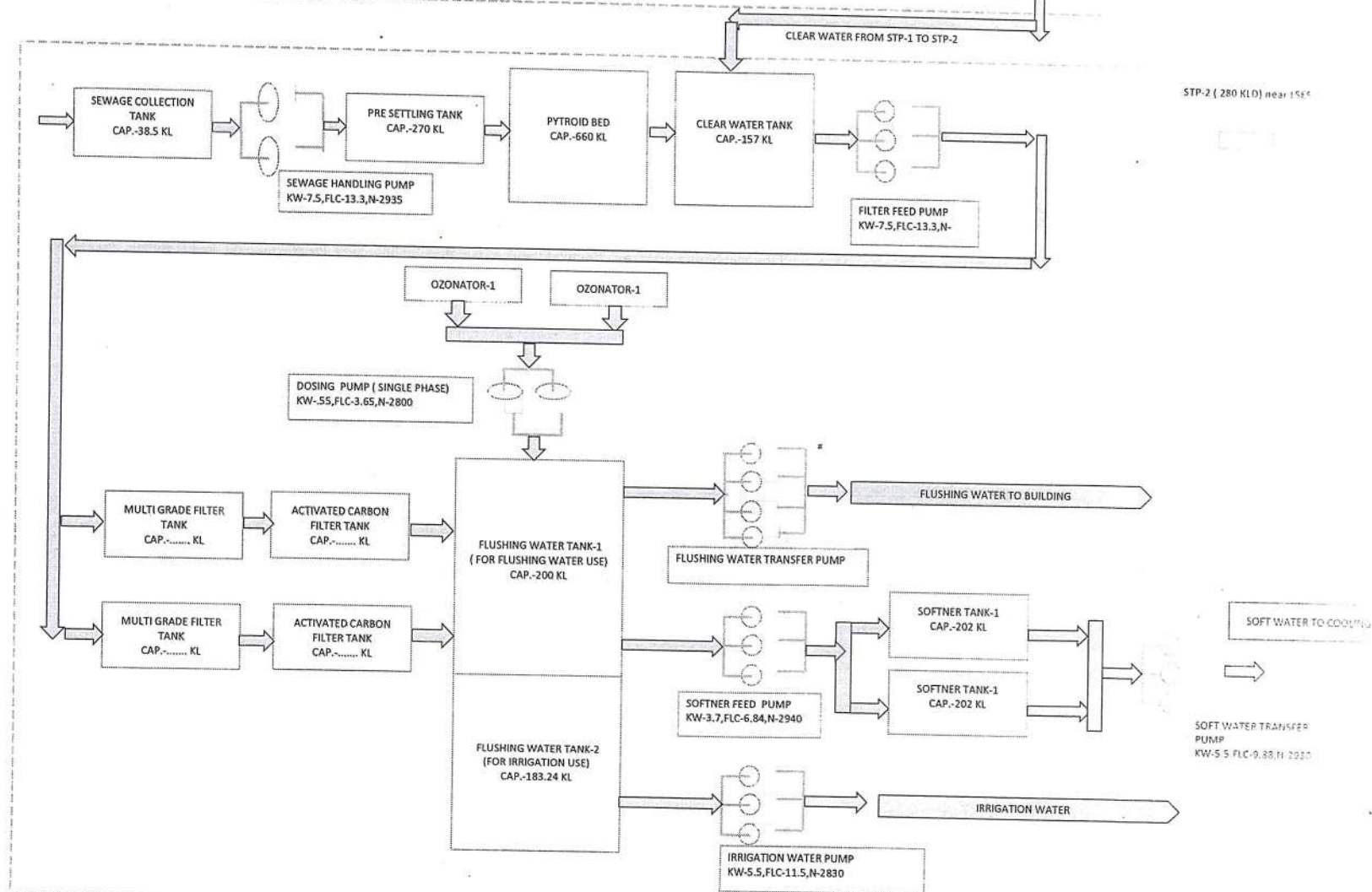
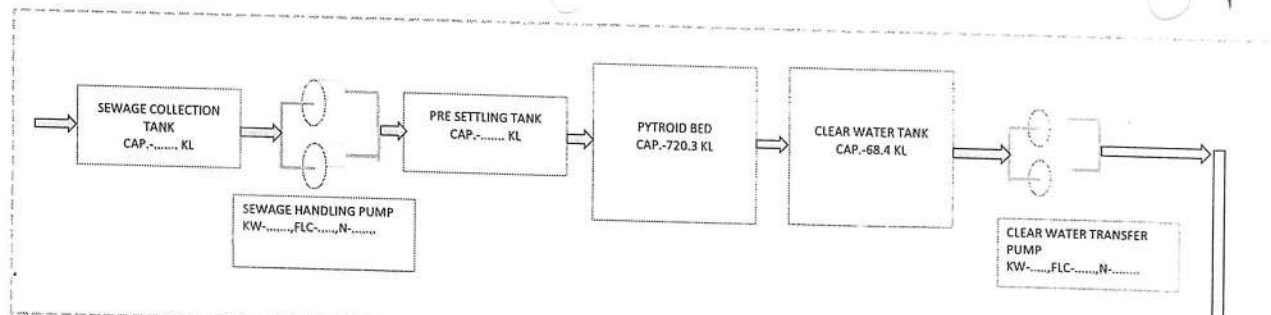
The bid/ RFP to be submitted in the office of Superintending Engineer, 1st Floor, Administration building, SAU on or before xx.xx.2025.

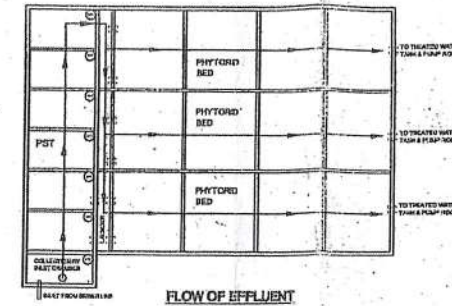
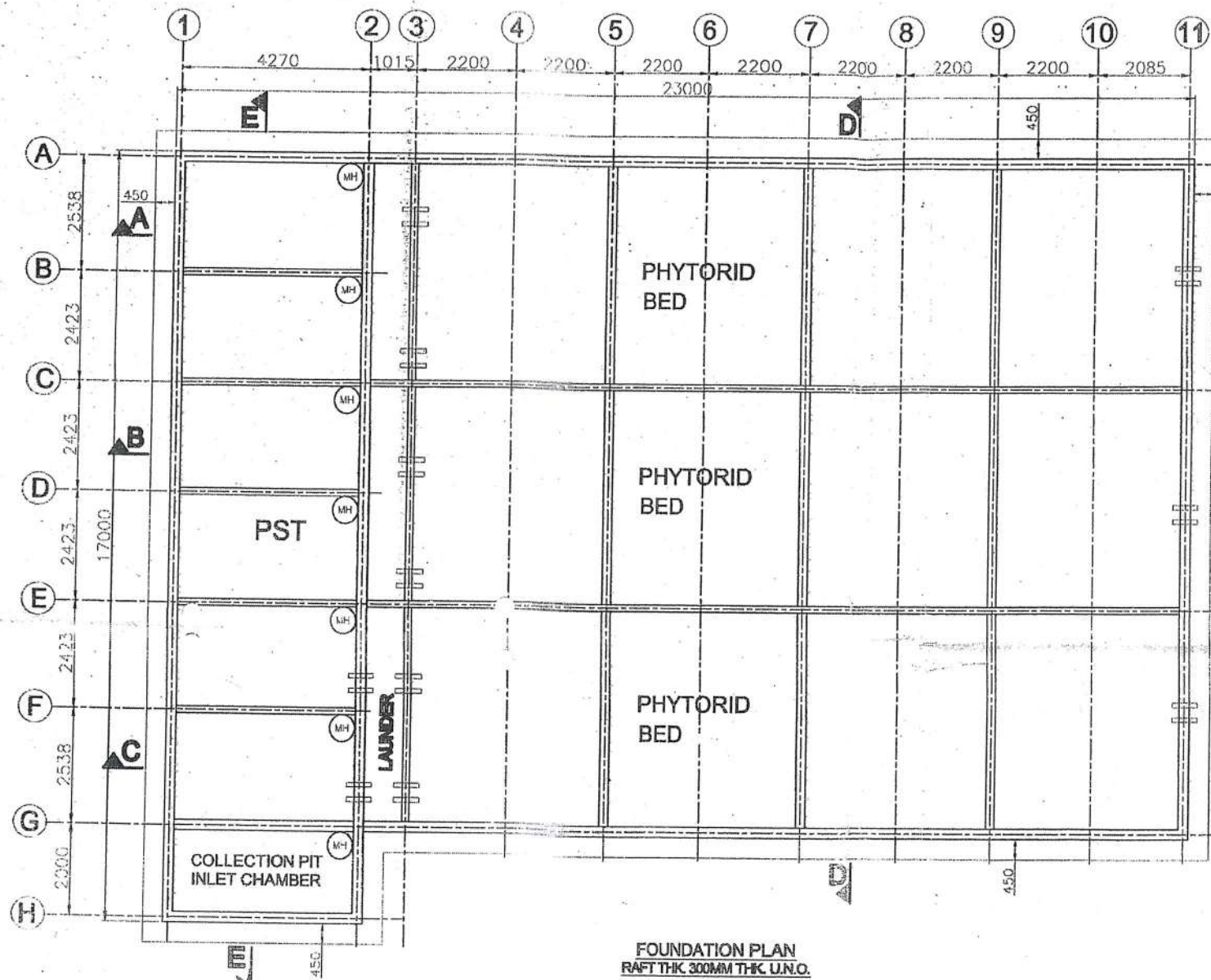
The proposals will be examined by an expert group viz a viz financial implications. Based on the efficacy and feasibility, a tender will be floated for the detail technical design and execution of work at site. The interested agencies may visit the site on any working days between 10.00Am to 5.00PM to see the STPs at Ground and Drawings in the Office of the Superintending Engineer, SAU, 1st Floor, Administration Building, South Asian University Campus at Maidangarhi, Delhi-68.

A formal meeting with all agencies will be held on 14.11.2025 at 3.00PM in the conference hall at ground Floor of Administrative building of SAU.

For more details kindly contact Mr. Baljit Singh JE(C) at Mobile no. 8879166459 email; baljitsingh@sau.int and also keep a regular watch on SAU website ; www.sau.int.







TO TREATED WATER
TANK & PUMP ROOM

1. All structures to be avoided
with overlap on existing trees and
5 m green belt as per site conditions

TO TREATED WATER
TANK & PUMP ROOM

TO TREATED WATER
TANK & PUMP ROOM

APPROVED
This review is only for general conformance with the design concept and the information given in the construction drawings/documents. Corrections or comments made on the shop drawings during the review do not relieve the contractor from compliance with the requirements of the plans and specifications and applicable laws, codes and regulations. Review of a specific item shall not include review of an assembly of which the item is a component. Review of a specific item is not for the purpose of approving the accuracy and completeness of other components or equipment or systems, which are the contractor's responsibility. The Architect's review shall not constitute approval of safety precautions or any other matters. Contractors shall coordinate the work with that of other contractors.

06/10/2018 *[Signature]* ARCHITECTS

NOTES:

- ALL DIMENSIONS ARE IN MM
- DO NOT SCALE ANY DIMENSIONS
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS
- GRADE OF CONCRETE SHALL BE M30 U.N.O.
- THE REINFORCEMENT SHALL BE T.M.T. BARS OR GALVANIZED DEFORMED BARS 600 HAVING YIELD STRENGTH NOT LESS THAN 600 N/MM² AND CONFORMING TO IS 1786-2008 AND HAVING MINIMUM ELONGATION OF 14.0%
- CLEAR COVER SHALL BE AS FOLLOWS:-
- RETAINING WALL 30 MM SLAB 20 MM
- RAFT COVER 60 MM
- DEVELOPMENT LENGTH (LD) SHALL BE EQUAL TO 250 DIA OF BAR
- LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (LD) OF GREATER DIA BAR OVERLAPPED

Approved

[Signature]
SCIENTIST

National Environmental
Engineering Research Institute (NEERI)
Mumbai Zonal Center,
89/B, Dr. A. B. Road,
Mumbai - 400 018.

NO.	DATE	REVISION
1	06/10/2018	CP
2		V.V.B. KUMAR PANGU
3		V.V.P.

RAJPOORJI PALLONGI & CO. PVT. LTD.

PROJECT:-
280 KLD PHYTORID STP
SOUTH ASIA UNIVERSITY

DESIGN:-
PETRICHOR EMERGING
TECHNOLOGIES INDIA PVT. LTD.

CONSULTANT:-
SUSHUMMA
CONSULTANCY SERVICES LLP
PLOT NO. 28 FOURTH FLOOR, SHYAM NAGAR
NEAR GOVINDPURU METRO STATION
NEW DELHI (110029)
Ph No: 08800392503, 08100410700
Email: sushumma.consultancy@gmail.com
Web: www.sushummaconsultancy.com

FOUNDATION PLAN & DETAIL
PHYTORID BASED STP

A.T.S.

06/10/2018

☒ APPROVED ☐ REVISE AND RESUBMIT

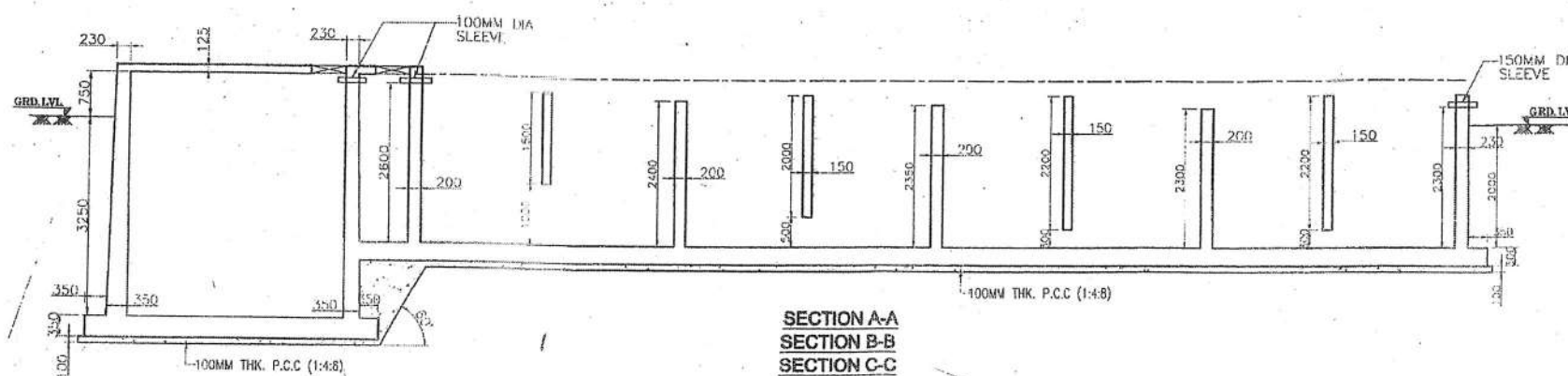
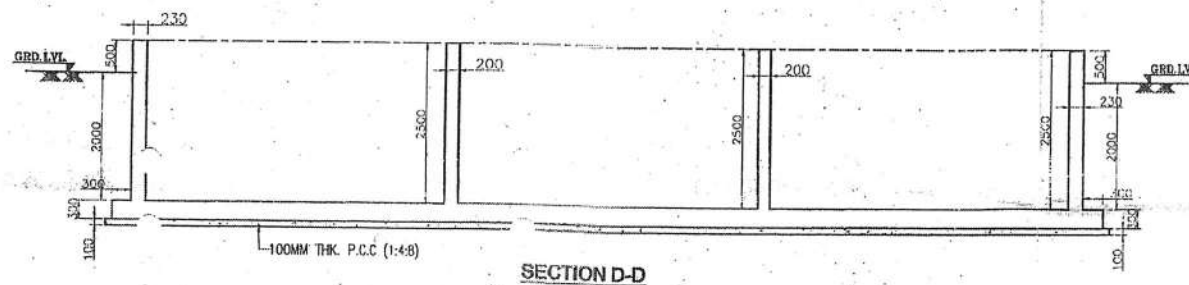
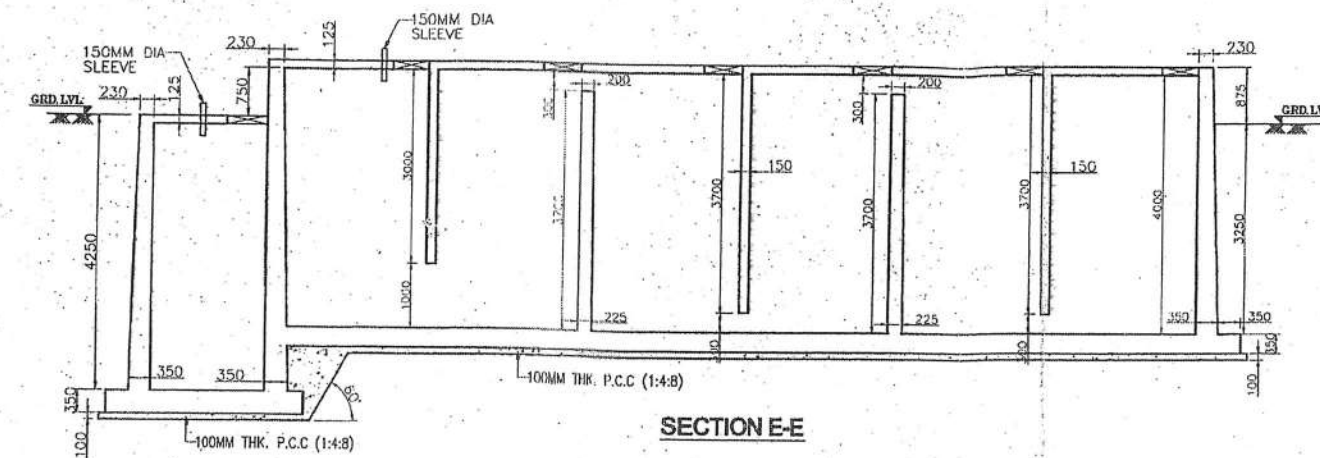
☒ REVIEWED WITH COMMENTS ☐ REJECTED

This review is only for general conformance with the design concept and the information given in the manufacturer's design/requirements. Comments or comments made on the design drawings during this review do not relieve the Contractor from compliance with the requirements of the specifications and applicable laws, codes and regulations. Review of a specific item shall not constitute approval of its use or the item to a component. Review of this submittal is not for the purpose of determining accuracy and completeness of other submittals, such as quantities and materials, or performance of equipment or systems, which are the contractor's responsibility. The architect's review shall not constitute approval of safety precautions or any construction means, methods, techniques, sequences or procedures. Contractor shall coordinate the work with the architect, engineer, and other project participants as a matter of course.

DATE: 06/10/2018

BY: [Signature]

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the Architect.



NOTES:

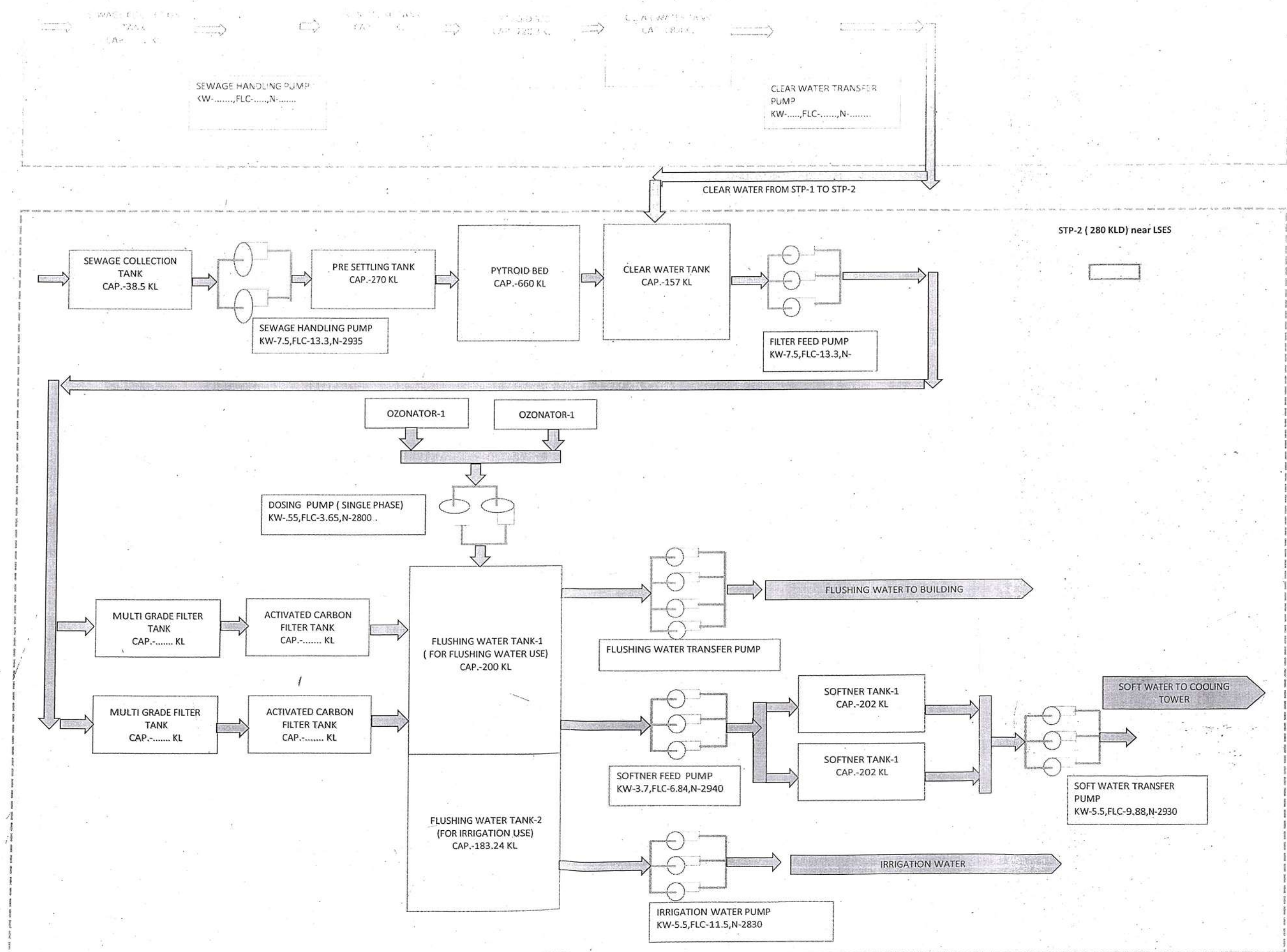
- * ALL DIMENSIONS ARE IN MM
- * DO NOT SCALE ANY DIMENSIONS
- * THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS
- * GRADE OF CONCRETE SHALL BE M40 U.L.O
- * THE REINFORCEMENT SHALL BE T.M.T. BARS OR COLD TREATED DEFORMED BARS F_y 600 HAVING YIELD STRENGTH NOT LESS THAN 600MM²
- * AS PER IS 456-2000 AND 1750-2003 AND HAVING MINIMUM ELONGATION OF 14%
- * CLEAR COVER SHALL BE AS FOLLOWS:
 RETAINING WALL 20 MM SLAB 20 MM
 RAFT COVER 50 MM
- * DEVELOPMENT LENGTH (LD) SHALL BE EQUAL TO 60D OF BAR
- * LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (LD) OF GREATER DIA BAR OVERLAPPED

Approved
A. B. B. Road
Mumbai - 400 018

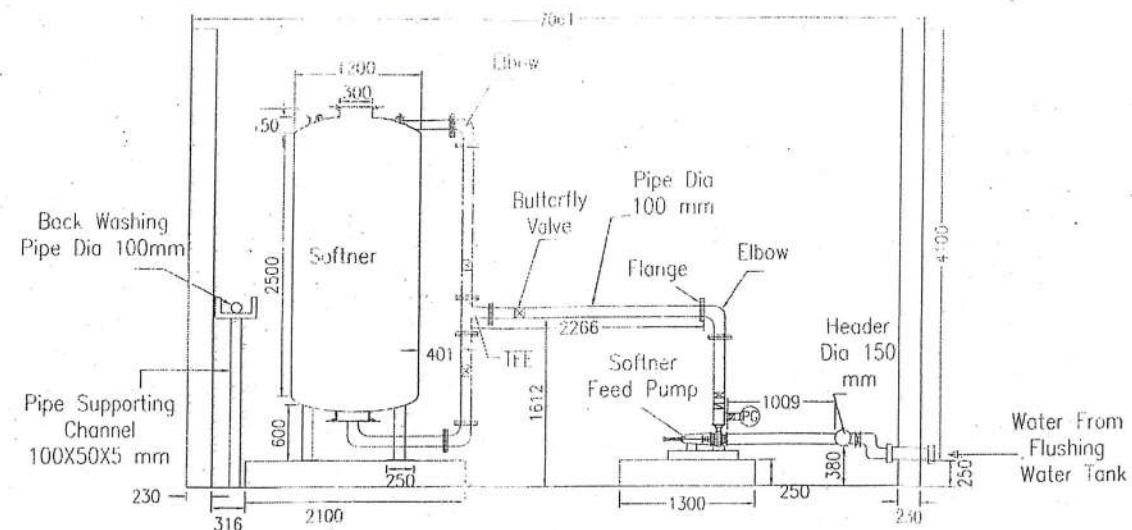
SCIENTIST

National Environmental
Engineering Research Institute (NEERI)
Mumbai Zonal Center,
89/3, Dr. A. B. Road,
Mumbai - 400 018.

NO.	DATE	REVISION
DRWN BY	CP	
CHK BY	VIVEK KUMAR PARIKHA	
CRD BY	V.K.P.	
CLIENT:-		
SHAPCORJI PALLONGI & CO. PVT. LTD.		
PROJECT:-		
200 KLD PHYTORID STP SOUTH ASIA UNIVERSITY		
DESIGN:-		
PETRICHOR EMERGING TECHNOLOGIES INDIA PVT. LTD.		
STRUCTURE:-		
SUSHUMNA CONSULTANCY SERVICES LLP		
PLOT NO.36 FOURTH FLOOR SHYAM NAGAR NEAR GOVINDPUR METRO STATION NEW DELHI (110020)		
Ph. No.: 011-65052263, 09-13010706		
Email: sushumna.consultancy@gmail.com		
Web: www.sushumnaconsultancy.com		
TITLE:-		
SECTION DETAIL PHYTORID BASED STP		
SCALE:-		
M.T.S		
DATE:-		
20.04.2014		
DRAWN BY:-		
CP		
CHECKED BY:-		
V.K.P.		

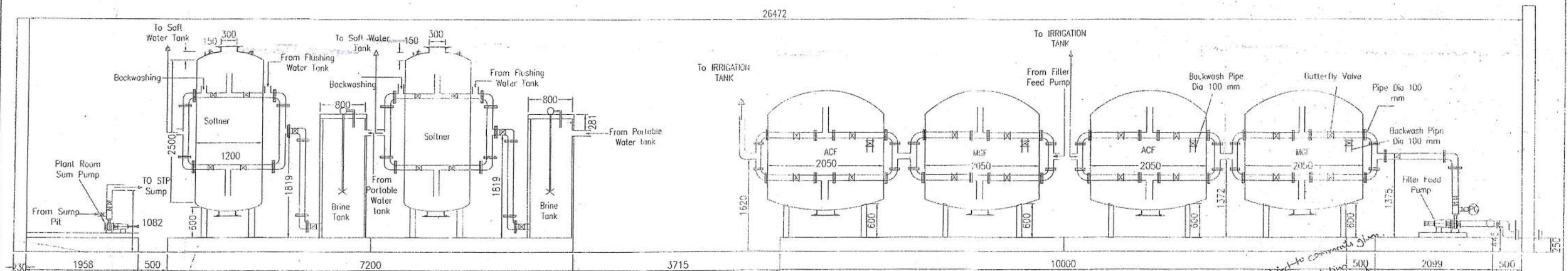


SEWAGE TREATMENT PLANT PIPING DETAIL				
Sl. No.	Description	Quantity	Unit	Remarks
1	100mm dia. pipe	120	m	
2	150mm dia. pipe	80	m	
3	200mm dia. pipe	40	m	
4	250mm dia. pipe	20	m	
5	300mm dia. pipe	10	m	
6	350mm dia. pipe	5	m	
7	400mm dia. pipe	2	m	
8	450mm dia. pipe	1	m	
9	500mm dia. pipe	1	m	
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266	13350mm dia. pipe	1	m	
267	13400mm dia. pipe	1	m	
268	13450mm dia. pipe	1	m	
269	13500mm dia. pipe	1	m	
270	13550mm dia. pipe	1	m	
271	13600mm dia. pipe	1	m	
272	13650mm dia. pipe	1	m	
273	13700mm dia. pipe	1	m	
274	13750mm dia. pipe	1	m	
275	13800mm dia. pipe	1	m	
276	13850mm dia. pipe	1	m	
277	13900mm dia. pipe	1	m	
278	13950mm dia. pipe	1	m	
279	14000mm dia. pipe	1	m	
280	14050mm dia. pipe	1	m	
281	14100mm dia. pipe	1	m	
282	14150mm dia. pipe	1	m	
283	14200mm dia. pipe	1	m	
284	14250mm dia. pipe	1	m	
285	14300mm dia. pipe	1	m	
286	14350mm dia. pipe	1	m	
287	14400mm dia. pipe	1	m	
288	14450mm dia. pipe	1	m	
289	14500mm dia. pipe	1	m	
290	14550mm dia. pipe	1	m	
291	14600mm dia. pipe	1	m	
292	14650mm dia. pipe	1	m	
293	1			



Section: P-P

26472



Section: Q-Q

Key plan is not attached.
Legend for valves are missing.

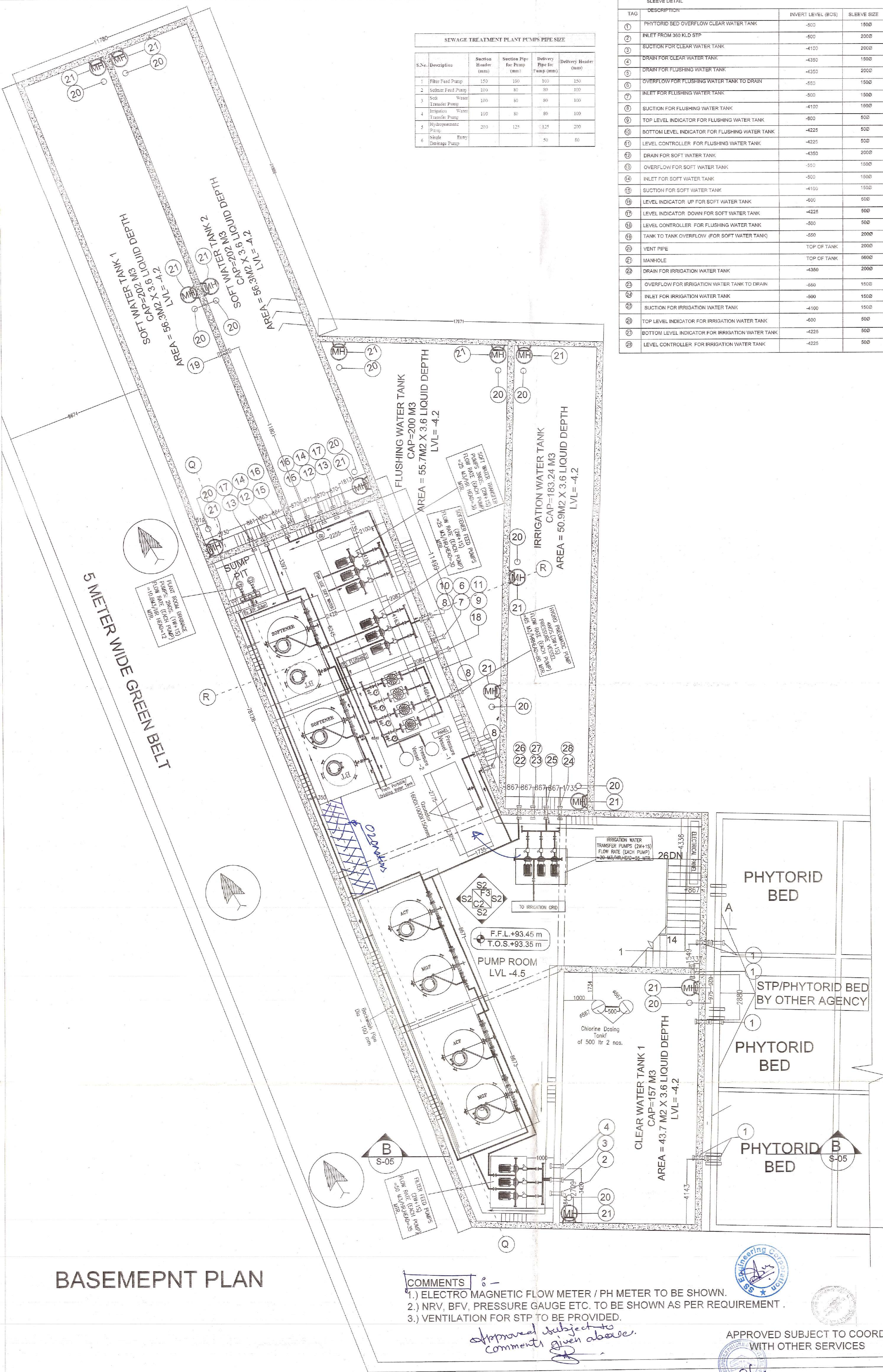
Approved subject to comments from
Pipe riser as per calculation
to be provided as per
equip. detail as per
manufacturer.



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Contractor	Client	PROJECT	Detail	Drawing By	Pooja Singh
S.S. Engineering Corporation D-123, Sector 7, Noida (U.P.) TEL -- 0120-4277128, 4277129 ssengg_c@yahoo.co.in	SHAPOORJI PALLONJI & COMPANY PRIVATE LIMITED	SOUTH ASIAN UNIVERSITY PACKAGE-III	Pump Room Section Drawing of STP	Checked By	A.K.S.
				Scale	NTS
				Date	10.8.2019

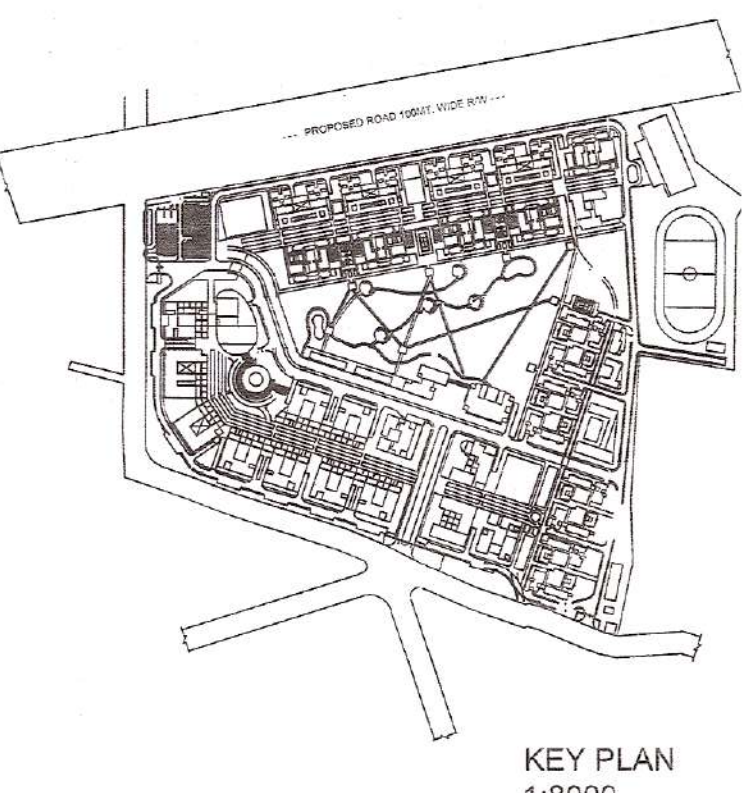




SEWAGE TREATMENT PLANT PUMPS PIPE SIZE				
S.No.	Description	Suction Header (mm)	Suction Pipe for Pump (mm)	Delivery Header (mm)
1	Filter Feed Pump	150	100	100
2	Solids Feed Pump	100	80	80
3	Soft Water Transfer Pump	100	80	80
4	Irrigation Water Transfer Pump	100	80	80
5	Hydroponic Pump	200	125	125
6	Single Entry Drainage Pump		50	80

TAG	DESCRIPTION	INVERT LEVEL (BOS)	SLEEVE SIZE
1	PHYTORID BED OVERFLOW CLEAR WATER TANK	-500	1500
2	INLET FROM 360 KLD STP	-500	2000
3	SUCTION FOR CLEAR WATER TANK	-4100	2000
4	DRAIN FOR CLEAR WATER TANK	-4350	1500
5	DRAIN FOR FLUSHING WATER TANK	-4350	2000
6	OVERFLOW FOR FLUSHING WATER TANK TO DRAIN	-550	1500
7	INLET FOR FLUSHING WATER TANK	-500	1500
8	SUCTION FOR FLUSHING WATER TANK	-4100	1900
9	TOP LEVEL INDICATOR FOR FLUSHING WATER TANK	-500	500
10	BOTTOM LEVEL INDICATOR FOR FLUSHING WATER TANK	-4225	500
11	LEVEL CONTROLLER FOR FLUSHING WATER TANK	-4225	500
12	DRAIN FOR SOFT WATER TANK	-4350	2000
13	OVERFLOW FOR SOFT WATER TANK	-550	1500
14	INLET FOR SOFT WATER TANK	-500	1500
15	SUCTION FOR SOFT WATER TANK	-4100	1500
16	LEVEL INDICATOR UP FOR SOFT WATER TANK	-500	500
17	LEVEL INDICATOR DOWN FOR SOFT WATER TANK	-4225	500
18	LEVEL CONTROLLER FOR FLUSHING WATER TANK	-500	500
19	TANK TO TANK OVERFLOW (FOR SOFT WATER TANK)	-550	2000
20	VENT PIPE	TOP OF TANK	2000
21	MANHOLE	TOP OF TANK	6000
22	DRAIN FOR IRRIGATION WATER TANK	-4350	2000
23	OVERFLOW FOR IRRIGATION WATER TANK TO DRAIN	-550	1500
24	INLET FOR IRRIGATION WATER TANK	-500	1500
25	SUCTION FOR IRRIGATION WATER TANK	-4100	1500
26	TOP LEVEL INDICATOR FOR IRRIGATION WATER TANK	-500	500
27	BOTTOM LEVEL INDICATOR FOR IRRIGATION WATER TANK	-4225	500
28	LEVEL CONTROLLER FOR IRRIGATION WATER TANK	-4225	500

- NOTES & INFORMATION**
- ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS TO BE READ AND NOT MEASURED.
 - ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS.
 - ALL ARCHITECTURAL DRAWING TO BE READ CONJUNCTION WITH RELEVANT STRUCTURAL AND SERVICES DRAWING.
 - ALL FIXED AND LOOSE FURNITURE ARE INDICATIVE.
 - LVL +0.0 CORRESPONDS TO 100.30 WHICH IS THE PLINTH LEVEL OF THE ACADEMIC BUILDING.
 - DOORS AND WINDOWS SHOWN IN LAYOUTS, BUT NOT TAGGED WILL BE IN THE SCOPE OF INTERIOR WORKS.



Sr. No.	DATED	DESCRIPTION	SIGN	DISTRIBUTION

REVISIONS

PROJECT
SOUTH ASIAN UNIVERSITY
MAIDAN GARHI, NEW DELHI

OWNER
SOUTH ASIAN UNIVERSITY
Akbar Bhavan, Chanakyapuri, New Delhi, India

ARCHITECTS
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C-38, Golf View Apartments, Saket, New Delhi - 110017
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archiplanabrd@gmail.com

Technical Consultant
STRUCTURAL DESIGN CONSULTANT
OPTIMAL CONSULTANCY SERVICES PVT. LTD.
218A/13, GAUTAMI NAGAR, NEW DELHI - 110049
Tel : 91-114642603
Email : optimal@optimal.in

ELECTRICAL PUBLIC HEALTH & FIRE FIGHTING CONSULTANT
MJC CONSULTANT
620 A, 32, NEHRU PLACE, NEW DELHI - 110049
Tel : 91-011-41061160
Email : mjc@mjco.in

HAVC CONSULTANT
DPHMS INDIA
D-82, Sector 2, Noida, U.P., India - 201301
Tel : 0120-4310089

LANDSCAPE ARCHITECTS
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A-501, SFS, Saket, New Delhi - 110017
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Email : office@hstech.in

SUSTAINABILITY CONSULTANTS
DPHMS INDIA
D-82, Sector 2, Noida, U.P., India - 201301
Tel : 0120-4310089

PROJECT MANAGEMENT CONSULTANTS
TATA Consulting Engineers Ltd
Ground Floor, Tower B&C Green Boulevard, Plot No. B9A Sector-52, Noida - 201301
Email : tce@tce.co.in
U R S Scott Wilson India Pvt Ltd
Cyber Terraces, DLF Cyber City Ph-II Gurgaon - 122002
Tel : 91-124-4602910, E-mail : ursh@scottwilson.com

CONTRACTOR
S.S. Engineering Corporation
D-123, Sector 7, Noida - 201301
Email : info@ssengcorp.com

UTILITY AREA - STP				
STP PIPING DRAWING				
Scale	DATE - 14 - 09 - 2019	CHECKED BY- DARPAN		
1:100	DRAWING BY: POOJA SINGH	APPROVED BY- A.K. SINGH		
PHASE	SENDER	AREA	DRAWING NUMBER	REVISION NO.
G F C P L U 1	U 1	U 1	U 1 - PL/STP/2.0 A	R5
THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND IS NOT TO BE COPIED / REPRODUCED WITHOUT PRIOR PERMISSION				

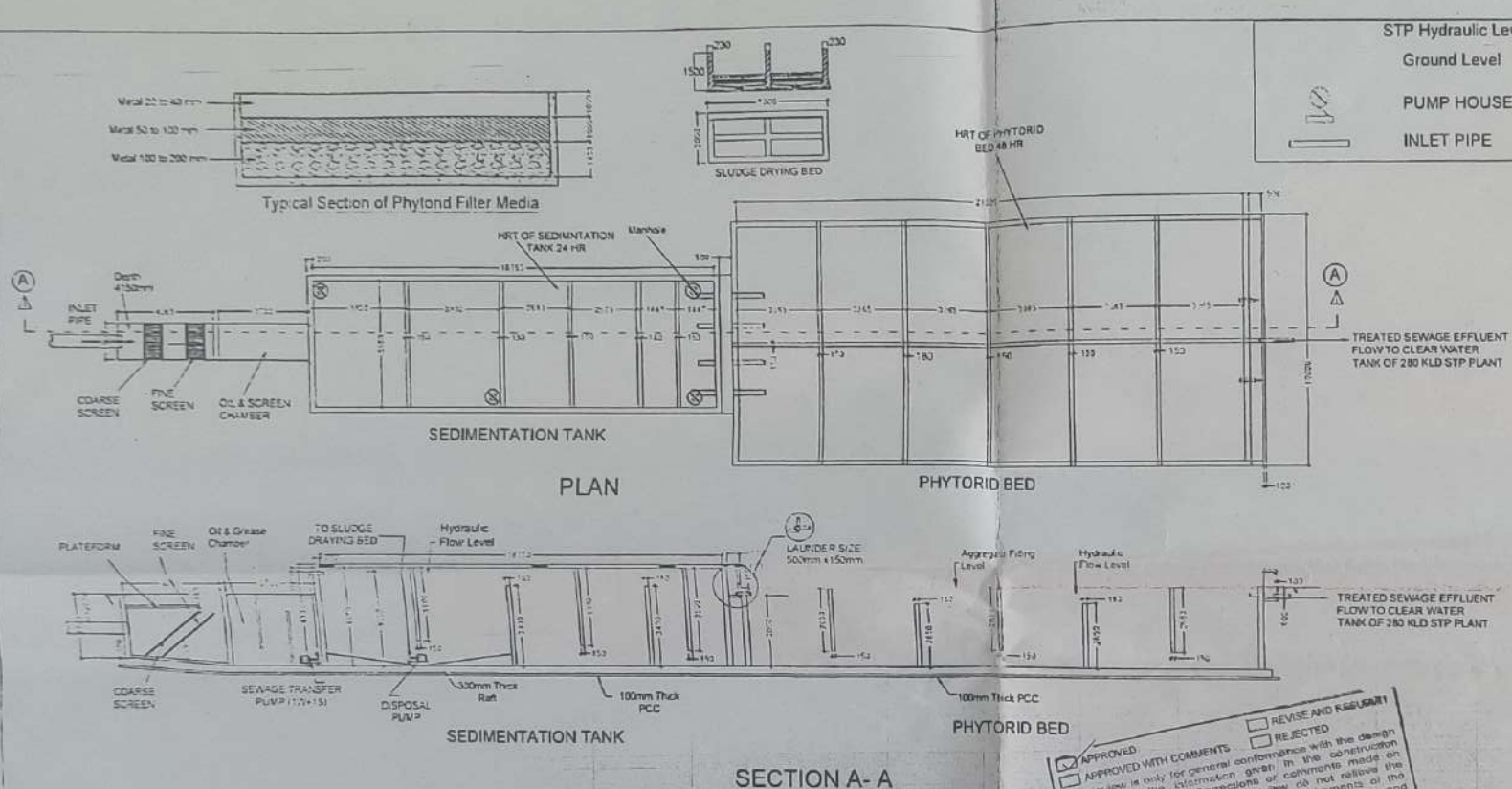
BASEMENT PLAN

- COMMENTS**
- ELECTRO MAGNETIC FLOW METER / PH METER TO BE SHOWN.
 - NRV, BFF, PRESSURE GAUGE ETC. TO BE SHOWN AS PER REQUIREMENT.
 - VENTILATION FOR STP TO BE PROVIDED.
- Approved subject to comments given above.*

APPROVED SUBJECT TO COORD. WITH OTHER SERVICES



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STP Hydraulic Level

Ground Level

PUMP HOUSE

INLET PIPE

UNITS	Dimension(L X B X D) in MM	Volume (m ³)
Fine & Coarse Screen Chamber	4065X1500X2700	16.46
Oil & Grease Chamber	3730X1500X2700	15.1
Sedimentation Tank	16750X5180X4150	360
Phytoid bed	21000X10000X3430	720.3
Area Required for Plant	48.458 m X 10 m	
Tertiary unit	AS PER SITE SEWAGE WATER CHARACTERISTICS	
Drawing title	PLAN LAYOUT AND SECTION VIEW OF 360 KLD,STP	
Contractor	S.S ENGINEERING COPORATION	
Client	SHAPOORJI PALLONJI & CONSTRUCTION PVT LTD	
Project	CONSTRUCTION OF SOUTH ASIAN UNIVERSITY	
Org. No.	Date	Scale
SAU-STP-360-001	16-12-2019	NTS
PLANT CAPACITY:- 360 KLD		
Drawn by	Checked by	Approved by
Pooja Singh	A K SINGH	

☒ APPROVED
☒ APPROVED WITH COMMENTS
☐ REVISE AND RESUBMIT
☐ REJECTED
 This review is only for general conformance with the design
 concept and the information given in the construction
 Drawings/Document. Corrections or comments made on
 the shop drawings during this review do not relieve the
 Contractor from compliance with the requirements of the
 drawings and specifications and applicable laws, codes and
 standards. The review of a specific item shall not constitute
 approval of the entire item or the entire project. The
 reviewer's responsibility is limited to the items reviewed.
 The reviewer's approval does not constitute a warranty or
 guarantee of any kind. The reviewer's approval is not a
 substitute for the contractor's responsibility for the
 construction of the project. The reviewer's approval is
 not a substitute for the contractor's responsibility for the
 construction of the project.

Released For Construction
21/1/2020



DESIGN ENGG A.K.	HOD A.K.	TECH APPROVAL A.K.
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