

Rainwater Harvesting at IIT (BHU) Varanasi



Environmental Sustainability

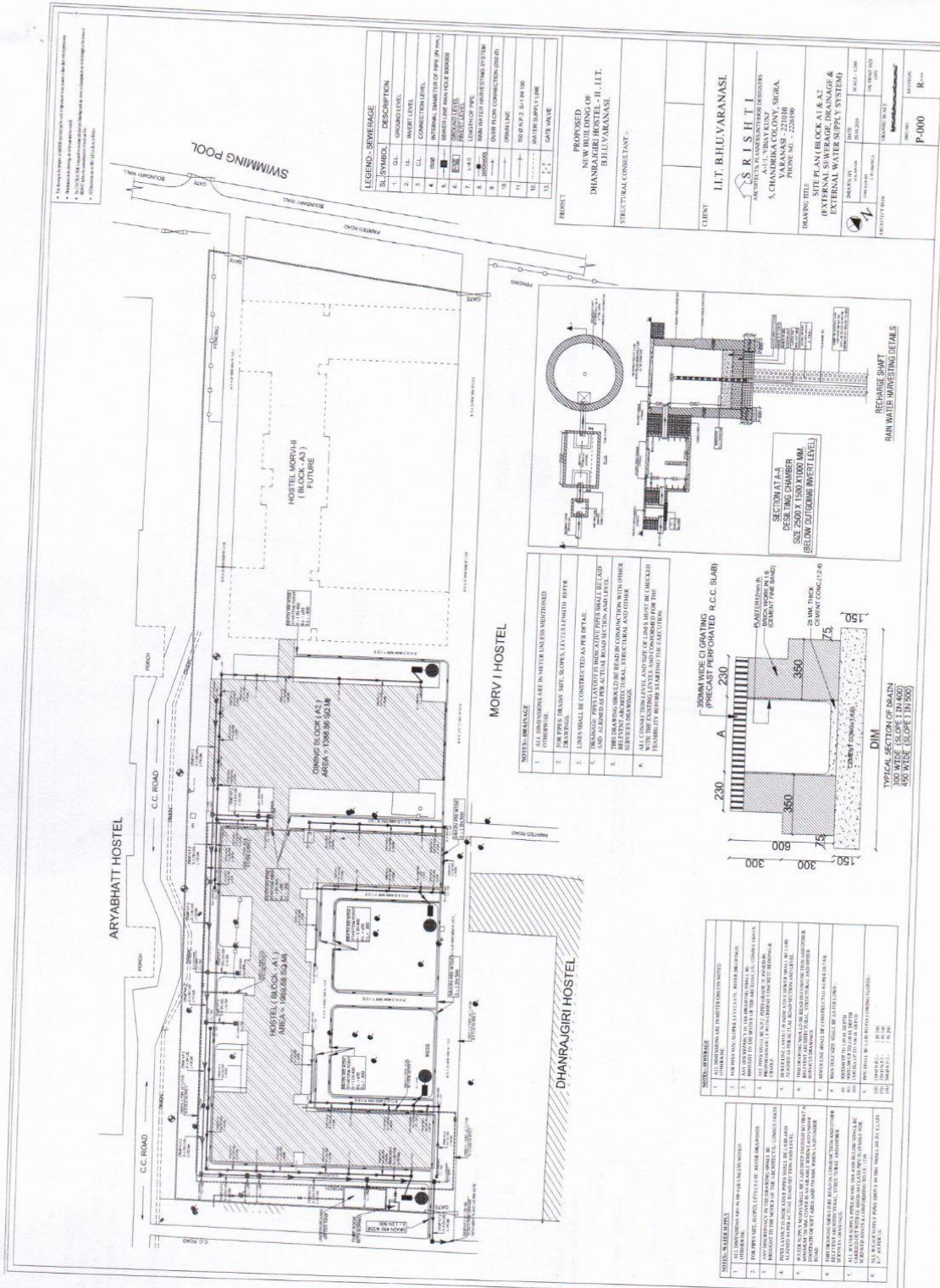
Rainwater harvesting at IIT (BHU) plays a crucial role in promoting environmental sustainability by conserving water resources and fostering responsible water management practices. Here are some ways in which rainwater harvesting contributes to environmental sustainability:

- Water Conservation
- Mitigating Urban Flooding
- Groundwater Recharge
- Promoting Biodiversity
- Reducing Energy Consumption
- Climate Change Adaptation

Table 1 illustrates the various builds which support Rainwater harvesting at IIT (BHU). The total area is around **6,200 SQM**. Figures 1 to 4 illustrate the landscape of the buildings.

Table 1 illustrates the various builds which support Rainwater harvesting at IIT (BHU)

SL.NO.	NAME OF BUILDING	RAIN WATER HARVESTING AREA IN SQM APPROX	HORTICULTURE AREA IN SQM APPROX
1 ✓	GUEST HOUSE EXTENSION	1000 SQM	1200 SQM
2	FACULTY APARTMENT A & B BLOCK	3000 SQM	750 SQM
3 ✓	FACULTY APARTMENT C & D BLOCK	3000 SQM	750 SQM
4 ✓	MORVI-2	2200 SQM	1000 SQM
5 ✓	DHANRAJGIRI-2	3450 SQM	1000 SQM
6 ✓	STUDENT ACTIVITY CENTER	4000 SQM	1500 SQM



LEGEND - SEWERAGE

SL. NO.	SYMBOL	DESCRIPTION
1	—	G.I. GROUND LEVEL
2	—	G.I. INVERT LEVEL
3	—	G.I. CONNECTION LEVEL
4	—	INTERNAL DIAMETER OF PIPE IN P.P.C.
5	—	EXTERNAL DIAMETER OF PIPE IN P.P.C.
6	—	MANHOLE
7	—	INSPECTION CHAMBER
8	—	RAISED FLOOR CONNECTION SYSTEM
9	—	RAISED FLOOR CONNECTION SYSTEM
10	—	RAISED FLOOR CONNECTION SYSTEM
11	—	RAISED FLOOR CONNECTION SYSTEM
12	—	RAISED FLOOR CONNECTION SYSTEM
13	—	RAISED FLOOR CONNECTION SYSTEM

PROPOSED NEW BUILDING OF DHANRAJGIRI HOSTEL - II, I.I.T. BHUVANESHWAR

CLIENT
I.I.T. BHUVANESHWAR

DESIGNER
J.S. RISHI
ARCHITECTS
A-11, BHUVANESHWAR
5, CHANDRIMA COLONY, SIGRA,
BHUVANESHWAR
PHONE NO. - 228100

DRAWING TITLE
SITE PLAN (BLOCK A1 & A2) SEWERAGE DRAINAGE & EXTERNAL WATER SUPPLY SYSTEM

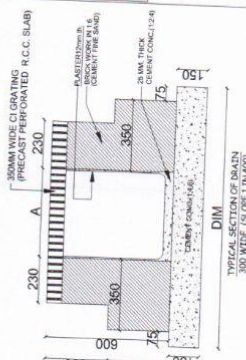
DATE
20/05/2020

SCALE
AS SHOWN

PROJECT NO.
P-000

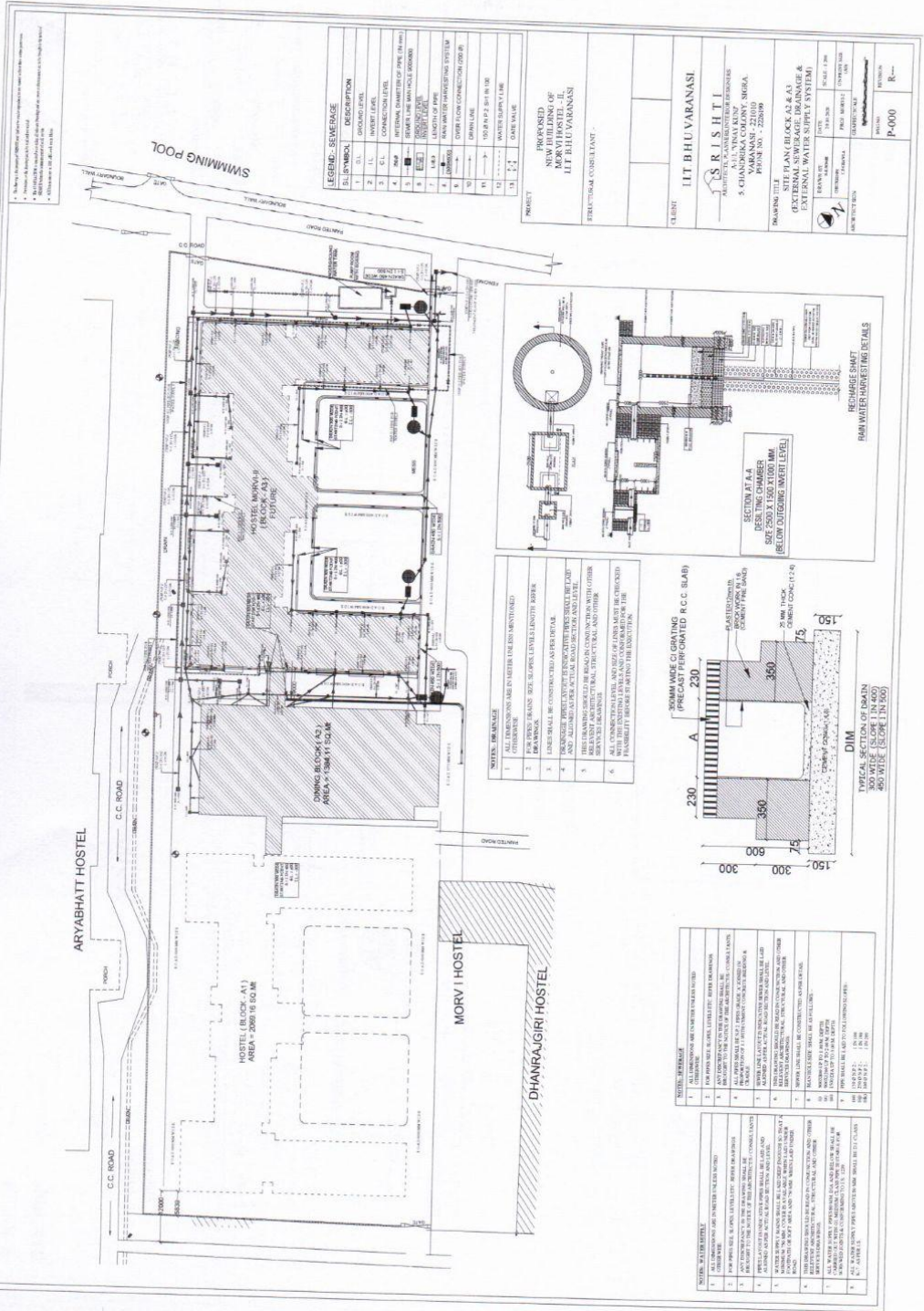
REVISION
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- NOTES - DRAINAGE**
1. ALL DRAINAGE LINES TO BE CONSTRUCTED AS PER DETAIL.
 2. FOR P.P.C. DRAINAGE, SUPPLY LEVELS SHOULD BE REFERRED TO THE GROUND LEVEL.
 3. ALL DRAINAGE LINES TO BE CONSTRUCTED AS PER DETAIL.
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 5. THE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER DRAWINGS.
 6. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.



- NOTES - WATER SUPPLY**
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LEGEND - SEWERAGE

SYMBOL	DESCRIPTION
1	ST. (SINKING LEVEL)
2	AVERTY LEVEL
3	CONNECTION LEVEL
4	SEWER LINE (SEE MAIN PLAN FOR DETAILS)
5	MANHOLE (SEE MAIN PLAN FOR DETAILS)
6	SEWER LINE CONNECTION TO EXISTING SYSTEM
7	LENGTH OF PIPE
8	NEW UNLINED SEWERAGE SYSTEM
9	COVER LON CONNECTION (1000 R)
10	COVER LON
11	1000 R.P.P. 800 R.I.D.
12	CONCRETE R.P.P. PIPE
13	CONCRETE
14	COVER

PROJECT
 PROPOSED
 NEW BUILDING OF
 IIT BHU VARANASI
 STRUCTURAL CONSULTANT -

CLIENT
 IIT BHU VARANASI

DESIGNER
 CSRIHITI
 ALUMINIA, KANAKPUR, UTTAR PRADESH
 5, CHANDRANA CANTY, MORHA
 VARANASI - 221010
 MOBILE NO. 9859012200

DRAWING TITLE
 SITE PLAN (BLOCK A2 & A3)
 EXTERNAL SEWERAGE DRAINAGE &
 RAIN WATER SUPPLY SYSTEM

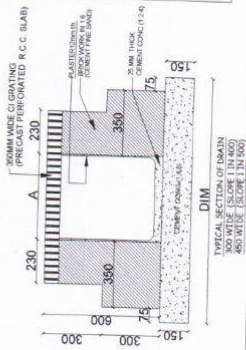
SCALE
 GENERAL: 1/200
 SECTION: 1/200
 PLAN: 1/200

DATE
 15/08/2022

PROJECT NO.
 P-000

REVISION
 R=

- NOTES - DRAINAGE**
1. ALL DIMENSIONS ARE IN METERS UNLESS MENTIONED OTHERWISE.
 2. PARAVANS: SEE LEVELS LEVELS LENGTH REFER ARCHITECTURE DRAWINGS.
 3. LINES SHALL BE CONSTRUCTED AS PER DETAIL.
 4. MANHOLES SHALL BE CONSTRUCTED AS PER DETAIL.
 5. THESE DRAWINGS ARE FOR INFORMATION ONLY. OTHER NECESSARY WORKS SHALL BE AS PER ARCHITECTURE AND OTHER DRAWINGS.
 6. ALL CONSTRUCTION LEVELS AND HEIGHTS ARE TO BE CHECKED THROUGHOUT THE CONSTRUCTION WORK FOR THE PROPOSED SYSTEM TO BE AS PER THE DETAIL.



- NOTES - SEWERAGE**
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