



6 CLEAN WATER AND SANITATION



SDG 06 i.e. Clean Water and Sanitation

Introduction

As per the sustainable development goal “Clean water and Sanitation” Sharda University is fully committed to provide access to basic water, sanitation and hygiene services inside the University as well as in community. The University is inhabited by about 16000 people engaged in many diverse activities over an area of about 63 acres. As an institution of higher learning and social change, one of the missions of the University is to ensure holistic development of students as future responsible citizens. In this context to develop a healthy future, best management of water and sanitation facility are on top priority.

All the school buildings, hostels and hospitals of Sharda University are equipped with RO system and have proper sanitation facilities. Hygiene practices are strictly followed in hostel, mess and Sharda hospital.

The University has initiated the promotion of green practices in all its possible academic and non-academic operations. The University has a focused approach for sustainable green practices on the campus, geared towards implementing environmentally conscious activities, having spin-off short and long term financial benefits. Greener and safer practices are followed in labs. Chemical and biochemical wastes are collected and submitted to waste collection agency. Labs are equipped with fume hood, glove box.

The University ‘Waste Management Policy ‘provides for segregation of solid waste into biodegradable waste (wet waste); non-biodegradable waste (dry waste) and hazardous waste. The wet waste is converted as compost, the dry waste is segregated into the recyclable and non-recyclables for disposal. The food and wet waste is processed/ decomposed by an on-campus Compost Plant. Rainwater harvesting system of the University ensures reduction, recycle and reuse of water. There is a 400KLD capacity STP and 30KLD ETP for treating effluents; the recycled water is used for horticulture and flushing system, and the sludge for manure.

Biomedical waste is disposed-off in accordance with the statutory norms. Due process is also followed in handling hazardous chemicals and radioactive waste management. Reduce, recycle and reuse policy is implemented in case of water. For irrigation, sprinkler and drip irrigation system is used, wherever feasible. University has procured automated water spray vehicle to control the dust in the campus. Battery operated vehicles have been introduced to move around the campus. The campus has been declared 'No-Noise Zone'. Used paper is reused. Massive plantation has resulted in more than 4000 plants succeeding. Students through Students' club, NSS and Eco-Task Force actively engage in green practices and thereby safeguarding the environment. Landscaping and attractive greenery also serve the purpose of reduced pollution and ground water recharging. Complete ban on smoking and burning any material on the campus has been imposed to maintain the hygiene. The University has embedded three-credit course on green practices in curricula and its relevance for conservation of natural resources and environment. Community Connect course also contributes in spreading awareness on issues such as pollution and the measures to contain the same by the community. The large scale plantation has perceptibly brought down temperature on the campus. Similarly, rain water harvesting measures and conservation of water, structured waste management, etc., have contributed to the overall improvement in the maintenance and up keep of the University at a lower operational cost. Participation of students in environmental protection practices is a positive sign for a clean and green future. It is expected that the future generation will benefit from improved sanitation and water quality.



Fig. Labs equipped with fume hood



Sanitation/Housekeeping facilities

ROs at Campus (sample)



RO System Install in Buildings/blocks


RO PLANTS IN CAMPUS			
S.No	Building Name	R O Tank Capacity Ltr.	Remark's
1	Block-02	2000 Ltr.	
2	Dental bldg.	1500 Ltr.	
3	Medical bldg.	1500 Ltr.	
4	Block-04	2000+1000 Ltr.	
5	Mandela hostel	2000 Ltr.	
6	Jawahar hostel	1500 Ltr.	

7	Kasturba hostel	1000 Ltr.	
8	Block-45	1000 Ltr.	
9	Vardhman hostel	1000 Ltr.	
10	Indira hostel	2000 Ltr.	
11	Hospital (R O water)	2000 Ltr.	
12	Hospital (Dialysis)	1000 Ltr.	
13	Hospital (Dialysis)	500 Ltr.	

Inspection Frequency of RO System

Sharda University								
Maintenance Dept. R O Water Supply								
S.No	Date	Building Name	Monoblock pump	High pressure pump	Product water	Reject water	TDS	Remark's
1	16/07/2023	Block 02	01kg	7 kg	1800	4200	69	OK
2	17/07/2023	Block 02	1kg	7 kg	1800	4200	68	OK
3	18/07/2023	Block 02	1kg	7 kg	1800	4300	69	OK
4	19/07/2023	Block 02	1kg	7 kg	1800	4300	69	OK
5	20/07/2023	Block 02	1kg	7 kg	1800	4300	69	OK
6	21/07/2023	Block 02	1kg	7 kg	1800	4300	69	OK
7	22/07/2023	Block 02	1kg	7 kg	1900	4200	68	OK
8	23/07/2023	Block 02	1kg	7 kg	1900	4200	69	OK
9	24/07/2023	Block 02	1kg	7 kg	1900	4200	68	OK
10	25/07/2023	Block 02	1kg	7 kg	1900	4300	68	OK
11	26/07/2023	Block 02	1kg	7 kg	1900	4200	66	OK
12	27/07/2023	Block 02	1kg	7 kg	1900	4200	65	OK
13	28/07/2023	Block 02	1kg	7 kg	1900	4300	65	OK
14		ABSENT				ABSENT		
15								

Supervisor Signature



29/7/2023

Manager Signature



Sanitation/Housekeeping facilities (for hygiene and leanliness)

WASHROOMS - ACADEMIC BLOCK & HOSTEL											
S. No.	Academic Block	Floor	Common washrooms		Attached Washrooms		Total		Staff WR	Divyangjan	Total
			Male	Female	Male	Female	Male	Female			
1	Block 1	6	12	12	0	0	12	12	5	1	30
2	Block 2	9	18	18	0	0	18	18	12	1	49
3	Block 3	6	11	11	0	0	11	11	7	1	30
4	Block 4	9	18	18	0	0	18	18	36	2	74
5	Block 7	9	18	18	0	0	18	18	5	5	46
6	Block 21 SDS	7	14	14	0	0	14	14	12	1	41
7	Block 22 SMSR	7	23	22	0	0	23	22	26	1	72
8	Block 45	6	12	12	0	0	12	12	3	2	29
9	Block 41		0	0	0	0	0	0	0	0	0
Total			126	125	0	0	126	125	106	14	371
10	Mandela Hostel (Girls)	12	0	0	0	504	0	504	0	0	504
11	Sarojini Hostel	8	0	8	0	0	0	8	0	0	8
12	Kasturba Hostel	8	0	8	0	0	0	8	0	0	8
13	Mother Teresa Hostel	2	0	6	0	0	0	6	0	0	6
14	Indra Hostel	12	0	14	0	0	0	14	0	0	14
9	Mandela Hostel (Boys)	12	0	0	247	0	247	0	0	0	0
15	Vivekanand Hostel	8	16	0	0	0	16	0	0	0	0
16	Tagore Hostel	8	16	0	0	0	16	0	0	0	0
17	Jawahar Hostel	7	0	0	110	0	110	0	0	0	0
18	Vardhman Hostel	4	31		0	0	31	0	4	0	4
Total			63	36	357	504	420	540	4	0	964
Grand Total			189	161	357	504	546	665	110	14	1335

Food hygiene data and inspection frequency in Mess along with photograph



Mess Photograph

Mess Menu For Students and Faculty

MESS MENU (SEPTEMBER 2023)				
DAY	BREAKFAST	LUNCH	SNACKS	DINNER
MONDAY	Cornflakes+Bread+ Milk+Butter+ Fried Chana +Jam+ coffee+ Fruit	Rajma + Aloo +Boondi Raita + Roti+ Rice + Salad	Paw Bhaji+Tea	Kali Masoor +Seasonal Veg + Roti + Rice + Salad+Sweet
TUESDAY	Aloo Onion Parantha + Tea + Curd + Pickle + Sauce+ fruit	Daal Tadka + Seasonal Veg + Rice+Roti + Raita +Salad	Chowmin +Sauce+Coffee	Kadhai Paneer+Mix Daal+Jeera Rice+Roti+ Salad+ Sweet
WEDNESDAY	Idli Sambar + Corn flakes + coffee + milk + fruit	Kadhi Pakoda+Dum Aloo+Roti+Rice+ Salad	Poha+Tea	Aloo Bhujia+ Arhar Daal+Roti+Rice+ Sweet
THURSDAY	Paneer Onion Parantha+ Tea+Curd+ Fruits+Pickle+Sauce	Kali Masoor Dal+Aloo Soyabean+Roti+Rice+ Raita + Salad	Macroni+Tea	Masala Chhole+ Aloo Tamatar+ Rice+puri+Salad+ Sweet
FRIDAY	Bread Omelette +Veg Sandwich+Milk+Sprouts+ Coffee+Fruits	Mix Dal+ Seasonal Veg +Jeera Raita+Roti+Rice+ Salad	Samosa+Green Chutni+Sauce+ Tea	Rajma + Mix Veg+Roti+Rice+ Sweet
SATURDAY	Kala Chana Aloo +Puri+Jalebi +Tea+ Milk + Fruit	Dhaba Dal+Seasonal Veg + Raita +Roti+Rice+ Salad	Mayonnaise Sandwich+ Sauce+ Tea	Chana Daal+Egg Curry+Paneer+Rice+Roti+ Salad +Sweet Dal Makhani+ Soya Chap +
SUNDAY	Chhole-Bhatue+Veg Biryani+Salad +Curd+Tea+Fruits		Burger / Pakoda + Tea	Fried Rice+Roti+ Salad+Sweet

Santa International
Sharda University

Mess and Kitchen Inspection 1

IHA, SI

CRITERIA	Y/N	AREA OF OBSERVATION	ACTION TAKEN	REMARKS
Kitchen/Food Preparation Areas				
Drains (floor and sink) clear and free flowing	✓			
Taps free from drips	✓			
Fridge clean and operational	✓			
Area free from pests or evidence thereof	✓			
All utensils, equipment and stock are stored adequately and clean?	✓			
Cooking area clean and free from waste/rubbish	✓			
Food Storage				
Is ready-to-eat food stored above/separate from raw food in the fridges and freezers?	✓			
Are dried goods stored correctly e.g. in suitable room, off the floor, in covered containers?	✓			
Are fridges and freezers defrosted regularly?	✓			
Is food in fridges/freezers covered?	✓			
Quality of the fruits and vegetables is of standard quality?	✓			
Food Handling Practices				
Are ready to eat fruit/salads/vegetables trimmed and washed thoroughly?	✓			
Are raw and ready-to-eat foods prepared in separate areas or are the work surfaces cleaned and disinfected between uses?	✓			
Service counter staff wearing gloves and caps?	✓			
Are staff fit to work, wearing clean, suitable protective clothing and following personal hygiene rules particularly hand washing?	✓			
Is food waste stored correctly outside and is the refuse area kept clean?	✓			
Quality and Taste of the Food and Beverages served at the counter				

Name : Ruchi Pal
 Designation : Hostel Executive
 Signed : Ruchi Pal
 Date : 25/06/22

IHA, Sharda University
Annex 1

CRITERIA	Yes	No	AREA OF OBSERVATION	ACTION TAKEN	REMARKS
Kitchen/Food Preparation Areas					
Drains (floor and sink) clear and free flowing	✓				
Taps free from drips	✓				
Fridge clean and operational	✓				
Area free from pests or evidence thereof	✓				
All utensils, equipment and stock are stored adequately and clean?	✓				
Cooking area clean and free from waste/rubbish	✓				
Food Storage					
Is ready-to-eat food stored above/separate from raw food in the fridges and freezers?	✓				
Are dried goods stored correctly e.g. in suitable room, off the floor, in covered containers?	✓				
Are fridges and freezers defrosted regularly?	✓				
Is food in fridges/freezers covered?	✓				
Quality of the fruits and vegetables is of standard quality?	✓				
Food Handling Practices					
Are ready to eat fruit/salads/vegetables trimmed and washed thoroughly?	✓				
Are raw and ready-to-eat foods prepared in separate areas or are the work surfaces cleaned and disinfected between uses?	✓				
Service counter staff wearing gloves and caps?	✓				
Are staff fit to work, wearing clean, suitable protective clothing and following personal hygiene rules particularly hand washing?	✓				
Is food waste stored correctly outside and is the refuse area kept clean?	✓				
Quality and Taste of the Food and Beverages served at the counter					

Name : Anupama Singh
 Designation : Hostel Executive
 Signed : Anupama Singh
 Date : 27/12/22

Mess Vendors in Hostels

S.No.	Hostel Name	Food Vendor`s
1	Indira	Freshius Foods
2	Kasturba/Mother Teresa	Shashi Industries
3	Sarojini	
4	Mandela Boys	Sharda Foods Specialities
5	Mandela Girls	
6	Tagore/ Vivekanad/ Jawahar	South Asain Caters
7	Vardhman	K. D. Foods

Food Court, Canteen/Cafeteria, stationery Shop, Laundry and other Facilities

S.No.	Nature of Shop/Facility	Kiosk name	Location
1	Food Court	Mothers Kitchen (South Indian)	Shop No. 4 Hospital
2	Food Court	Nescafe (Starbean)	Near Amul-Central Sector
3	Food Court	Nescafe (Starbean)	Near Gate no. 4
4	Food Court	Café - 47	Near Block 7
5	Food Court	Coca cola (Hideout)	In front of Old staff Qtr
6	Food Court	AmulParlour	Near Sarojini Hostel
7	Food Court	Café - 24 x 7-Anubhav Gupta	Near VivekanandBlock-28
8	Food Court	Sambhojan Foods	Near STP plant Eastern Sector
9	Food Court	Coffee Day Global Ltd	Near STP plant-Eastern Sector
10	Food Court	Vadi Lal Ice Cream & Hello Biryani	Near Block-1
11	Food Court	Freshius Food- Anubhav Gupta	2nd Floor, Sharda Hospital
12	Food Court	Hindustan Food Corner	Shop No. 1 Hospital
13	Food Court	Italian Pizza	Near Gate No 4
14	Canteen/Cafeteria	Lego House	Behind Block 4
15	Canteen/Cafeteria	Amazing Café & Burger (Urban Café)	Ground Floor, Nursing Qtrs
16	Bakery Shop	Frequent Bakes	Shop No. 5 Hospital
17	Bakery Shop	Bake Master	Mandela basement
18	Juice Shop	Juice Corner	Near Nursing Hostel
19	Juice Shop	Shiva Juice Corner	Near Block-1
20	Chemist Shop	Nature Pharma	Gr. floor, Sharda Hospital
21	Chemist Shop	Nature Pharma	Gr. floor Dental Building
22	Stationary/Mobile Shop	Love communication	Near Gate no. 4

23	Photocopy Center	Madhu Sharma (Stamp Vendor)	Gr.floor. Near Auto Lab-Block-1
24	Convenience Store	WH Smith Store	Basement, Mandela
25	Grocery Store	Kanhaiya Grocery Store	Shop No. 2- Hospital
26	Parlor Shop	Baro Services	Basement, Mandela Hostel
27	Health Facility	Optimum Fitness Gymnasium	Student Activity Centre
28	Money Transfer Shop	Wealth Union Transfer Money	In front of Old staff Qtr
29	Laundry	Modern Laundry	Basement, Mandela Hostel
30	Laundry	Modern Laundry	Basement, Indira Hostel
31	ICICI Bank & ATM	ICICI	Gate No.-2
32	ATM	ATM- PNB -1	Block-1, Reception-SET
33	ATM	ATM- PNB -2	Gate No.2
34	ATM	ATM- Canara Bank	SU-Gate No.3
35	ATM	ATM- IndusInd Bank	Hospital Block-41
36	Mobile Tower	Airtel - Tower - 1	Mandela Hostel-Block-6
37	Mobile Tower	Airtel - Tower - 2	Block-1
38	Mobile Tower	Idea /Indus Tower-1	Hospital-Block-41
39	Mobile Tower	Idea /Indus Tower-2	Hospital-Block-41
40	Mobile Tower	Vodafone	Mandela Hostel-Block-6
41	Mobile Tower	Reliance	Hospital-Block-41

ETP and STP at Campus



STP (Sewage Treatment Plant)



ETP (Effluent Treatment Plant)



Fig. Safe handling of waste

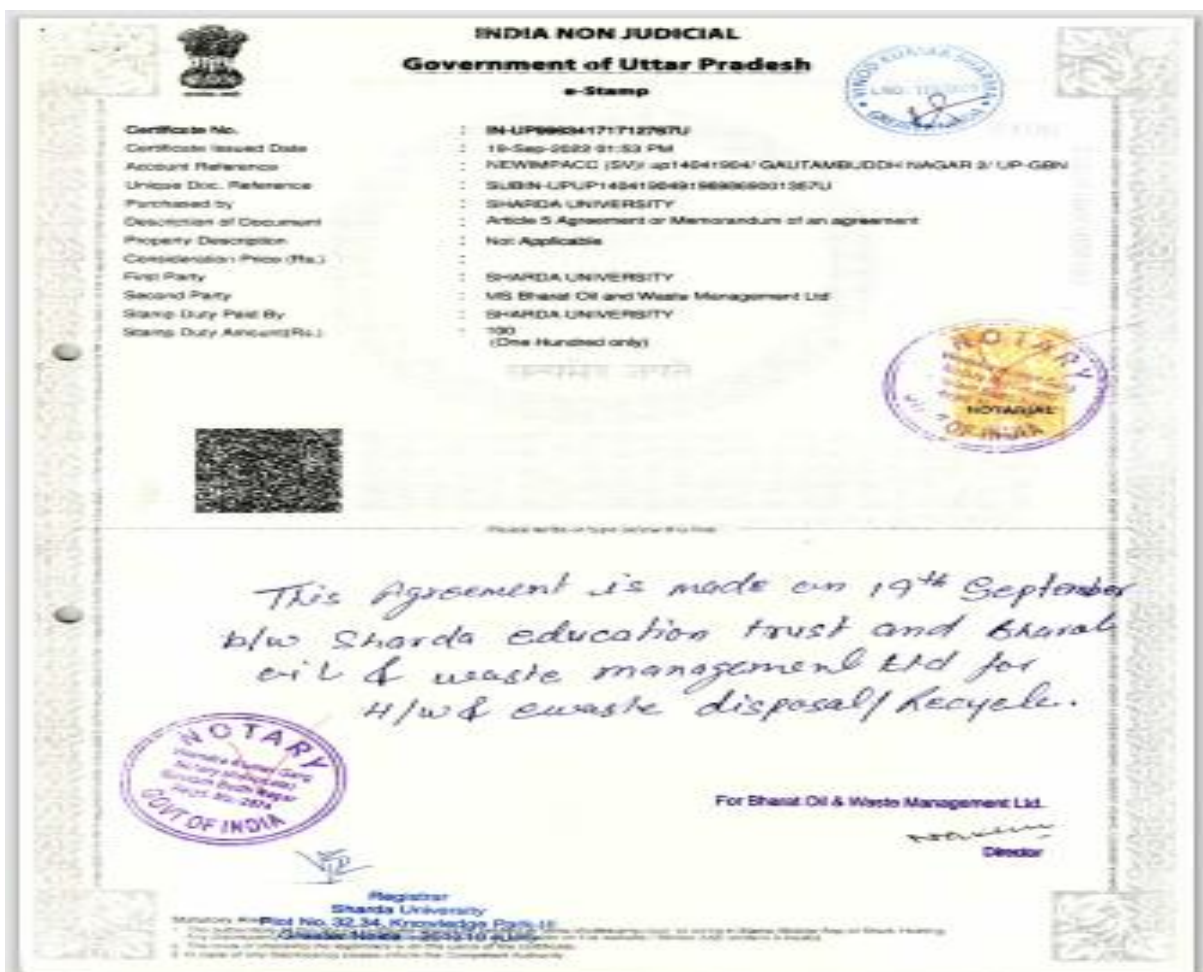


Fig. Agreement between Sharda University and waste management agency

Rainwater Harvesting



- Rainwater Harvesting Capacity of each Pit-40,000 liters
- Rainwater Harvesting Number of Pit-24

Research: University motivate the students to perform research on mitigation of water pollution and improved sanitation devices. Sharda University has signed the MoU with government of India to achieve the National Mission of Clean Ganga.

Some of the highlights are as follows:

Awareness programs: The university engage with community to create awareness about safe sanitation practices and water resource management. Greener and safer practices are followed in labs. During covid-19 university played a pivotal role to provide the treatment to covid patient without compromising the sanitation facilities.

Faculty members and students go out in the communities, create the awareness and distribute the masks, liquid soaps, sanitary pads etc.

Note: Photograph of distribution of sanitary items, health and hygiene camps, water quality survey drive etc

