

Shiv Nadar Institution of Eminence

Water measurement of the university

At Shiv Nadar IoE, water is extracted from groundwater (borewell) for various water needs like drinking, flushing, cooking, agriculture and others. The university has No Objection Certificate (NOC) from the Ground Water Department of the Ministry of Jal Shakti, Government of India for groundwater extraction and is committed to sustainable practices in managing this critical water resource.

The total water consumption of the institution was 335160 m³/ kiloliters across its expansive 286-acre campus for the year 2024 as provided in the figure below. This consumption supported the following:

- Residential students
- Employees (39% reside inside the campus)
- Contract workers relying on the university for water needs during their normal 8- hour workday
- Campus residents (consuming water 24/7), and
- Daily visitors
- Construction and renovation activities at the campus

Academic									Hostels & Residential																				
S.No	Month	Block A (KL)	Block B (KL)	Block C (KL)	Block D (KL)	Block E (KL)	Block R (KL)	Block F (KL)	Block - G	1A (KL)	1B (KL)	1C (KL)	2A (KL)	2B (KL)	2C (KL)	3A (KL)	3B (KL)	3C (KL)	4A (KL)	4B (KL)	4C (KL)	5A (KL)	5B (KL)	5C (KL)	DH-1 (KL)	DH-2 (KL)	DH-3 (KL)	FH (KL)	Total (KL)
1	Jan-24	584	484	289	289	208	249	36	48	998	1275	753	874	777	1411	1307	877	784	523	822	871	531	564	287	480	578	1139	10971	27729
2	Feb-24	449	406	254	294	229	214	24	17	1282	1134	897	996	902	1343	1479	1068	849	494	879	553	896	514	542	454	857	829	10098	27751
3	Mar-24	458	336	233	275	204	266	790	437	1204	1094	908	1118	893	1656	1476	993	754	501	832	490	871	588	468	448	822	353	10323	28789
4	Apr-24	526	373	291	312	248	264	703	409	1614	1231	466	1134	913	800	1633	1020	893	584	1002	491	664	622	491	502	978	1225	9629	28818
5	May-24	389	444	249	253	247	192	867	439	1015	688	659	578	788	38	1159	904	754	503	696	228	754	759	514	626	657	506	9754	24660
6	Jun-24	840	535	224	267	102	580	770	168	450	344	863	316	313	0	614	401	1076	356	497	77	563	687	185	35	292	772	9209	26516
7	Jul-24	1066	410	246	252	130	734	560	302	411	456	1082	509	431	494	582	473	800	321	386	68	352	676	190	157	336	1258	9266	21928
8	Aug-24	1059	379	274	292	258	771	791	540	859	1128	1430	765	1182	1188	284	1105	944	617	964	713	736	1065	699	807	877	1532	10980	32239
9	Sep-24	775	380	279	337	351	792	754	119	735	1214	1288	865	1223	1078	977	1105	847	579	714	807	1328	987	711	927	579	1092	10530	31373
10	Oct-24	614	350	286	316	211	1724	492	2558	838	1179	1076	1027	990	1051	1146	953	1035	557	666	791	1650	855	581	859	606	1022	10028	33461
11	Nov-24	799	423	328	330	265	841	706	915	1005	957	1011	1016	1020	1219	1214	1133	916	477	815	751	925	1183	637	749	603	658	10003	30899
12	Dec-24	447	447	274	297	236	345	881	543	770	825	1259	913	771	1617	766	968	594	373	597	514	794	1301	462	520	430	502	9551	26997
Grand Total consumption (Jan'24 to Dec'24)																													335160

Table – Water metering at campus

Despite the demands of such a large population and the need to sustain the campus's vibrant greenery, the university's water consumption per person is 36.5% lower than NBC BIS standards. On average, each individual consumes 15.87 liters per day during operational hours. This was determined from a thorough real-time water survey conducted in July and August of 2024 at the campus assessing the drinking, handwashing, and toilet water usage across various departments, including sample population of faculty, students, housekeeping, and ground staff.