

**JAYPEE HIMACHAL CEMENT PLANT - BAGA (ARKI) SOLAN HP**  
**(A UNIT OF JAIPRAKASH ASSOCIATES LTD.)**  
**WATER ANALYSIS OF SEWAGE TREATMENT PLANTS**  
**HALF YEARLY STATISTICAL REPORT (December'2011 - March' 2012)**

**Location 1 :- Township**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.9	68	60	15
Minimum	6.6	24	20	4
Average	7.19	36.07	36.11	9.47
Standard Deviation	0.24	9.67	9.99	2.82
Coefficient of Variation	0.03	0.27	0.28	0.3

All values are in mg/l except pH

**Location 2 :- Panali Camp**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	61	54	16
Minimum	6.7	26	20	7
Average	7.18	37.41	35.14	12.43
Standard Deviation	0.26	9.94	6.32	2.5
Coefficient of Variation	0.04	0.27	0.18	0.2

All values are in mg/l except pH

**Location 3 :- Basant Kunj**

PARTICULARS	pH	TSS	COD	BOD
Maximum	8.2	72	78	15
Minimum	6.7	26	30	5
Average	7.24	38.25	47.43	10.18
Standard Deviation	0.25	12.42	13.23	2.68
Coefficient of Variation	0.03	0.32	0.28	0.26

All values are in mg/l except pH

**Location 4 :- Baga Bhavan**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.8	54	62	14
Minimum	6.5	26	12	6
Average	7.19	34.46	40.07	9.43
Standard Deviation	0.29	6.03	8.51	2.29
Coefficient of Variation	0.04	0.17	0.21	0.24

All values are in mg/l except pH

**MONTHLY REPORT (March' 2012)****Location 1 :- Township**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.5	40	44	15
Minimum	6.8	26	22	8
Average	7.2	32.14	33.14	12
Standard Deviation	0.215	4.538	6.212	2.53
Coefficient of Variation	0.03	0.141	0.187	0.211

All values are in mg/l except pH

**Location 2 :- Panali Camp**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.5	36	40	13
Minimum	6.7	26	26	9
Average	7.05	32.57	35.29	11.2
Standard Deviation	0.274	2.766	3.891	1.483
Coefficient of Variation	0.039	0.085	0.11	0.132

All values are in mg/l except pH

**Location 3 :- Basant Kunj**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.5	38	68	13
Minimum	6.7	28	30	8
Average	7.19	32.86	45.14	10.4
Standard Deviation	0.228	2.797	12.322	2.074
Coefficient of Variation	0.032	0.085	0.273	0.199

All values are in mg/l except pH

**Location 4 :- Baga Bhavan**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	42	48	14
Minimum	6.5	26	32	8
Average	7.1	32.43	40	10.25
Standard Deviation	0.326	4.38	6.026	2.63
Coefficient of Variation	0.046	0.135	0.151	0.257

All values are in mg/l except pH

**MONTHLY REPORT (February' 2012)****Location 1 :- Township**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	34	38	10
Minimum	6.9	24	20	8
Average	7.2	30.86	30.57	9.25
Standard Deviation	0.208	2.905	5.787	0.957
Coefficient of Variation	0.029	0.094	0.189	0.104

All values are in mg/l except pH

**Location 2 :- Panali Camp**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	38	38	16
Minimum	6.8	26	20	12
Average	7.13	31.93	33	13.83
Standard Deviation	0.223	3.931	5.643	1.602
Coefficient of Variation	0.031	0.123	0.171	0.116

All values are in mg/l except pH

**Location 3 :- Basant Kunj**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.5	40	71	15
Minimum	6.9	26	32	8
Average	7.21	31.86	45.21	11.8
Standard Deviation	0.166	3.959	12.405	2.864
Coefficient of Variation	0.023	0.124	0.274	0.243

All values are in mg/l except pH

**Location 4 :- Baga Bhavan**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.4	38	51	12
Minimum	6.7	28	30	7
Average	7.14	32	38.93	9.8
Standard Deviation	0.228	3.234	6.685	2.28
Coefficient of Variation	0.032	0.101	0.172	0.233

All values are in mg/l except pH

**MONTHLY REPORT (January' 2012)****Location 1 :- Township**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.9	68	60	12
Minimum	6.6	40	22	4
Average	7.16	50.43	47.43	8
Standard Deviation	0.344	7.812	12.246	3.367
Coefficient of Variation	0.048	0.155	0.258	0.421

All values are in mg/l except pH

**Location 2 :- Panali Camp**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.4	61	54	11
Minimum	6.8	44	20	7
Average	7.1	53.21	38.43	9.5
Standard Deviation	0.18	4.543	9.387	1.915
Coefficient of Variation	0.025	0.085	0.244	0.202

All values are in mg/l except pH

**Location 3 :- Basant Kunj**

PARTICULARS	pH	TSS	COD	BOD
Maximum	8.2	72	78	11
Minimum	6.8	38	30	5
Average	7.3	56.43	53.57	8
Standard Deviation	0.384	11.745	15.466	2.366
Coefficient of Variation	0.053	0.208	0.289	0.296

All values are in mg/l except pH

**Location 4 :- Baga Bhavan**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.4	54	62	13
Minimum	6.7	30	12	6
Average	7.09	41.29	42.43	9
Standard Deviation	0.24	6.866	13.107	2.366
Coefficient of Variation	0.034	0.166	0.309	0.263

All values are in mg/l except pH

**MONTHLY REPORT (December' 2011)****Location 1 :- Township**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.4	34	38	10
Minimum	6.9	24	26	5
Average	7.19	30.86	33.29	7.8
Standard Deviation	0.161	2.905	3.292	1.789
Coefficient of Variation	0.022	0.094	0.099	0.229

All values are in mg/l except pH

**Location 2 :- Panali Camp**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	38	38	16
Minimum	7.1	26	28	10
Average	7.44	31.93	33.86	14
Standard Deviation	0.155	3.931	3.959	2.191
Coefficient of Variation	0.021	0.123	0.117	0.156

All values are in mg/l except pH

**Location 3 :- Basant Kunj**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.6	40	71	12
Minimum	7.1	26	36	6
Average	7.28	31.86	45.79	10.83
Standard Deviation	0.142	3.959	11.872	2.401
Coefficient of Variation	0.02	0.124	0.259	0.222

All values are in mg/l except pH

**Location 4 :- Baga Bhavan**

PARTICULARS	pH	TSS	COD	BOD
Maximum	7.8	38	51	13
Minimum	6.9	28	30	6
Average	7.44	32.14	38.93	9
Standard Deviation	0.221	3.183	6.685	2.449
Coefficient of Variation	0.03	0.099	0.172	0.272

All values are in mg/l except pH