

KATHMANDU UPATYAKA KHANEPANI LIMITED
Water / Waste Water Quality Assurance Division , Mahankalchaur
Laboratory Record Of Chemical & Bacteriological Analysis Of Water
Jestha 2078

| S.No. | Date | Branch | Location | Sample taken | Turbidity | Colour | p ^H | E.C. | Total Alkalinity | Total Hardness | Total Iron | Total Ammonia | Chloride | F.R.C. | Total Coliforms | Remarks |
|---|------------|-----------------|-------------------|--------------|---------------|---------------|----------------|-------------|------------------|----------------|----------------|---------------|------------|----------------|-------------------------|--------------|
| | | | | | (NTU) | (TCU) | | µs/cm | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | /100ml | |
| National Drinking Water Quality Standard (NDWQS) | | | | | 5 (10) | 5 (15) | 6.5-8.5 | 1500 | | 500 | 0.3 (3) | 1.5 | 250 | 0.1-0.2 | 0 in 95% Samples | |
| 1 | 2078/02/01 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.8 | 259 | 58 | 48 | 0.3 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 2 | 2078/02/01 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 84 | 28 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 3 | 2078/02/01 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.5 | 60 | 14 | 16 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 4 | 2078/02/02 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 261 | 60 | 54 | 0.3 | 1.8 | 15.36 | 0.5 | 0 | Satisfactory |
| 5 | 2078/02/02 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 83 | 28 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 6 | 2078/02/02 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.2 | 63 | 14 | 16 | 0.1 | 0.02 | 3.84 | 0.1 | 0 | Satisfactory |
| 7 | 2078/02/03 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 265 | 60 | 56 | 0.3 | 0.02 | 7.68 | 0.7 | 0 | Satisfactory |
| 8 | 2078/02/03 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 85 | 28 | 30 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 9 | 2078/02/03 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.5 | 96 | 28 | 34 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 10 | 2078/02/04 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 262 | 60 | 54 | 0.3 | 0.02 | 3.84 | 0.6 | 0 | Satisfactory |
| 11 | 2078/02/04 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 85 | 28 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 12 | 2078/02/04 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.6 | 55 | 14 | 16 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 13 | 2078/02/05 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 260 | 60 | 54 | 0.3 | 0.02 | 7.68 | 0.4 | 0 | Satisfactory |
| 14 | 2078/02/05 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 83 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 15 | 2078/02/05 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.3 | 55 | 14 | 18 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 16 | 2078/02/06 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.8 | 264 | 60 | 54 | 0.3 | 0.02 | 7.68 | 0.6 | 0 | Satisfactory |
| 17 | 2078/02/06 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 83 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 18 | 2078/02/06 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.3 | 56 | 14 | 16 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 19 | 2078/02/07 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 273 | 62 | 58 | 0.3 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 20 | 2078/02/07 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 83 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 21 | 2078/02/07 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.1 | 53 | 14 | 16 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 22 | 2078/02/08 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 261 | 60 | 54 | 0.3 | 0.02 | 7.68 | 0.2 | 0 | Satisfactory |
| 23 | 2078/02/08 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 84 | 28 | 30 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 24 | 2078/02/08 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.3 | 86 | 16 | 18 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 25 | 2078/02/09 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 262 | 60 | 52 | 0.3 | 1.6 | 15.36 | 0.1 | 0 | Satisfactory |
| 26 | 2078/02/09 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 84 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 27 | 2078/02/09 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.2 | 59 | 14 | 12 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 28 | 2078/02/10 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 269 | 62 | 56 | 0.3 | 0.02 | 7.68 | 0.5 | 0 | Satisfactory |
| 29 | 2078/02/10 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 83 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 30 | 2078/02/10 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.5 | 56 | 14 | 18 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 31 | 2078/02/11 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 265 | 62 | 56 | 0.3 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 32 | 2078/02/11 | Maharajgunj | Bansbari WTP | Treated | Clear/10 | <5 | 7.3 | 81 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |

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|----|------------|-----------------|-------------------|---------|-----------|----|-----|-----|----|----|-----|------|-------|-----|---|--------------|
| 33 | 2078/02/11 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.5 | 53 | 14 | 10 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 34 | 2078/02/12 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 253 | 60 | 50 | 0.3 | 0.02 | 7.68 | 0.3 | 0 | Satisfactory |
| 35 | 2078/02/12 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 79 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 36 | 2078/02/12 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 7.2 | 54 | 16 | 12 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 37 | 2078/02/13 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 77 | 28 | 22 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 38 | 2078/02/13 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 256 | 60 | 52 | 0.3 | 0.02 | 7.68 | 0.5 | 0 | Satisfactory |
| 39 | 2078/02/13 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.7 | 63 | 18 | 12 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 40 | 2078/02/14 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 262 | 60 | 54 | 0.3 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 41 | 2078/02/14 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 77 | 26 | 30 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 42 | 2078/02/14 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/5.0 | <5 | 6.7 | 62 | 18 | 12 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 43 | 2078/02/15 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 259 | 60 | 56 | 0.3 | 0.02 | 7.68 | 0.3 | 0 | Satisfactory |
| 44 | 2078/02/15 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 6.9 | 49 | 16 | 14 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 45 | 2078/02/16 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 254 | 60 | 54 | 0.3 | 1.6 | 15.36 | 0.7 | 0 | Satisfactory |
| 46 | 2078/02/16 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.1 | 57 | 16 | 18 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 47 | 2078/02/16 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/8 | <5 | 7.2 | 69 | 16 | 14 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 48 | 2078/02/17 | Madhyapur Thimi | Bode WTP | Treated | Clear/<5 | <5 | 6.9 | 255 | 60 | 54 | 0.3 | 0.02 | 7.68 | 0.6 | 0 | Satisfactory |
| 49 | 2078/02/17 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.1 | 58 | 16 | 20 | 0.1 | 0.02 | 7.68 | 0.5 | 0 | Satisfactory |
| 50 | 2078/02/17 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.5 | 61 | 16 | 12 | 0.1 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 51 | 2078/02/18 | Maharajgunj | Bansbari WTP | Treated | Clear/9 | <5 | 7.1 | 54 | 16 | 20 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 52 | 2078/02/18 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/6 | <5 | 6.9 | 56 | 12 | 10 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |
| 53 | 2078/02/19 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 6.9 | 63 | 20 | 20 | 0.1 | 0.02 | 7.68 | 0.3 | 0 | Satisfactory |
| 54 | 2078/02/19 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/5 | <5 | 7.3 | 57 | 16 | 14 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 55 | 2078/02/20 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 65 | 20 | 20 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 56 | 2078/02/20 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/6 | <5 | 7.6 | 59 | 14 | 12 | 0.1 | 0.02 | 5.76 | 0.7 | 0 | Satisfactory |
| 57 | 2078/02/21 | Maharajgunj | Bansbari WTP | Treated | Clear/6 | <5 | 7.3 | 67 | 20 | 22 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 58 | 2078/02/21 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.5 | 50 | 16 | 12 | 0.1 | 0.02 | 3.84 | 0.3 | 0 | Satisfactory |
| 59 | 2078/02/22 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 68 | 22 | 22 | 0.1 | 0.02 | 7.68 | 0.3 | 0 | Satisfactory |
| 60 | 2078/02/22 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.5 | 53 | 16 | 14 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 61 | 2078/02/23 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 70 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 62 | 2078/02/23 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.7 | 49 | 12 | 16 | 0.1 | 0.02 | 3.84 | 0.6 | 0 | Satisfactory |
| 63 | 2078/02/24 | Maharajgunj | Bansbari WTP | Treated | Clear/8 | <5 | 7.3 | 73 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 64 | 2078/02/24 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.6 | 58 | 14 | 12 | 0.1 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 65 | 2078/02/25 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 71 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 66 | 2078/02/25 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.6 | 54 | 18 | 14 | 0.1 | 0.02 | 5.76 | 0.1 | 0 | Satisfactory |
| 67 | 2078/02/26 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 72 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 68 | 2078/02/26 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/5 | <5 | 6.9 | 52 | 14 | 12 | 0.1 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 69 | 2078/02/27 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 74 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.7 | 0 | Satisfactory |
| 70 | 2078/02/27 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.9 | 53 | 12 | 14 | 0.1 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |
| 71 | 2078/02/28 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 72 | 22 | 22 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 72 | 2078/02/28 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.7 | 79 | 12 | 14 | 0.1 | 0.02 | 5.76 | 0.5 | 0 | Satisfactory |
| 73 | 2078/02/29 | Maharajgunj | Bansbari WTP | Treated | Clear/8 | <5 | 7.3 | 66 | 20 | 22 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 74 | 2078/02/29 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.9 | 73 | 22 | 26 | 0.1 | 0.02 | 5.76 | 0.2 | 0 | Satisfactory |

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|----|------------|---------------|-------------------|---------|----------|----|-----|----|----|----|-----|------|------|-----|---|--------------|
| 75 | 2078/02/30 | Maharajgunj | Bansbari WTP | Treated | Clear/<5 | <5 | 7.3 | 62 | 20 | 20 | 0.1 | 0.02 | 5.76 | 0.4 | 0 | Satisfactory |
| 76 | 2078/02/30 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.5 | 80 | 14 | 16 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 77 | 2078/02/31 | Maharajgunj | Bansbari WTP | Treated | Clear/10 | <5 | 7.4 | 66 | 20 | 22 | 0.1 | 0.02 | 5.76 | 0.3 | 0 | Satisfactory |
| 78 | 2078/02/31 | Mahankalchaur | Mahankalchaur WTP | Treated | Clear/<5 | <5 | 6.5 | 68 | 12 | 14 | 0.1 | 0.02 | 5.76 | 0.6 | 0 | Satisfactory |