

Supplementary materials

Table 1 Institutional rain water harvesting potential using the maximum error estimate (MEE) approach in Dilla town southern Ethiopia

Selected Large Public Institution in Dilla Town	Annual emergency water demand in M ³	UCL In M ³	Demand met using UCL, In %	Mean In M ³	Demand met using Mean, in %	LCL, In M ³	Demand met using LCL, In %
Hospitals (with laundry facilities) DURH	5934.9	11,113.5	187.3	8359.7	140.8	5605.8	94.5
Health centers	2870.8	1,742.6	60.7	1310.8	45.66	879	30.6
Primary schools	13,176	19,752.6	149.9	14858	112.8	9963.5	75.62
Secondary schools	1921.5	4,938.1	257	3714.5	193.3	2490.9	129.6
Technical and Vocational schools	1830	11,751.2	642.1	8839.4	483	5927.5	323.9
Colleges	146,000	149,492.7	102.4	112449.5	77	75406.23	51.65
Total	171,733.2	198,790.7	115.8	149,531.8	87.1	100,272.84	58.4

Table 2 Institutional rain water harvesting potential using Coefficient of Variation (COV) approach in Dilla town southern Ethiopia

Selected Large Public Institution in Dilla Town	Annual emergency water demand In M ³	UCOV	Demand met using UCL	LCL	Demand met using LCOV
Hospitals Hospital (with laundry facilities)	5934.9	14152.8	238.5	2566.61	43.3
Health centers	2870.8	2219.145	77.3	402.4425	14
Primary schools	13,176	25154.28	191	4561.734	34.6
Secondary schools	1921.5	6288.57	327.3	1140.433	59.4
Technical and Vocational schools	1830	14964.85	817.8	2713.879	148.3
Colleges ²	146,000	190374.5	130.4	34524.46	23.6

Total	171733.2	253154.1	147.4	45909.56	26.7
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