

List of Tables

Table No.	Title	Page No.
Table. 2.1	Parameters considered of phase change materials while using in solar distillation process	18
Table 2.2	Melting point and latent heat capacity of PCMs used in solar distillation process	19
Table 3.1	Thermo-physical properties of PCM	23
Table 3.2	Experimental parameters	24
Table 3.3	Accuracies and range for various instruments	24
Table 3.4	Equation parameters obtained by curve fitting of distillate vs depth of water	25
Table 4.1	Thermo-physical properties of paraffin wax	50
Table 4.2	The used nanoparticle specifications	51
Table 4.3	Experimental variables	51
Table 4.4	Range of various instruments with their accuracy	52
Table 4.5	The maximum uncertainties for the evaluated parameters	52
Table 5.1	The properties (thermo-physical) of paraffin wax	74
Table 5.2	The used nanoparticle (CuO) specifications	75
Table 5.3	Experimental variables	75
Table 5.4	Range of various instruments with their accuracy	76
Table 5.5	The present capital cost of solar still units	88
Table 5.6	Cost analysis of solar still units	88
Table 5.7	Estimation of payback period of solar still units	89