



San Miguel Compound, Amante St.,
Brgy Landayan, San Pedro, Laguna, 4023, Philippines
Tel Nos. : (632) 808 2188, 808 2878, 808 2088
Fax: (632) 808 6789

An Environmental Solutions Division of
PANMANHATTAN MARKETING CORPORATION

Welcome to a *Greener World*

Waterless Urinal Feasibility Study Sheet

COST ASSUMPTIONS

Conventional Urinal

Water and sewage	PHP	80.00	CBM
Cost per flush	PHP	0.46	
Cleaner cost	PHP	3.33	per day
maintenance (leaks)	PHP	3.89	per day

Bioball Maintained

Bioball cost	PHP	375.00	per 1500 users
	PHP	0.25	per use
Cleaner Cost	PHP	4.00	per day

Daily Cost and Savings (PER URINAL)

Daily Users	Conventional		Bioball		Daily savings		Annual savings
30	PHP	21.02	PHP	11.50	PHP	9.52	PHP 3,425.52
40	PHP	25.61	PHP	14.00	PHP	11.61	PHP 4,180.69
50	PHP	30.21	PHP	16.50	PHP	13.71	PHP 4,935.86
60	PHP	34.81	PHP	19.00	PHP	15.81	PHP 5,691.03
70	PHP	39.41	PHP	21.50	PHP	17.91	PHP 6,446.21
80	PHP	44.00	PHP	24.00	PHP	20.00	PHP 7,201.38
90	PHP	48.60	PHP	26.50	PHP	22.10	PHP 7,956.55
100	PHP	53.20	PHP	29.00	PHP	24.20	PHP 8,711.72
110	PHP	57.80	PHP	31.50	PHP	26.30	PHP 9,466.90
120	PHP	62.39	PHP	34.00	PHP	28.39	PHP 10,222.07
130	PHP	66.99	PHP	36.50	PHP	30.49	PHP 10,977.24
140	PHP	71.59	PHP	39.00	PHP	32.59	PHP 11,732.41
150	PHP	76.19	PHP	41.50	PHP	34.69	PHP 12,487.59
160	PHP	80.79	PHP	44.00	PHP	36.79	PHP 13,242.76
170	PHP	85.38	PHP	46.50	PHP	38.88	PHP 13,997.93
180	PHP	89.98	PHP	49.00	PHP	40.98	PHP 14,753.10
190	PHP	94.58	PHP	51.50	PHP	43.08	PHP 15,508.28
200	PHP	99.18	PHP	54.00	PHP	45.18	PHP 16,263.45
210	PHP	103.77	PHP	56.50	PHP	47.27	PHP 17,018.62
220	PHP	108.37	PHP	59.00	PHP	49.37	PHP 17,773.79
230	PHP	112.97	PHP	61.50	PHP	51.47	PHP 18,528.97
240	PHP	117.57	PHP	64.00	PHP	53.57	PHP 19,284.14
250	PHP	122.16	PHP	66.50	PHP	55.66	PHP 20,039.31