

Project Title: 10<sup>th</sup> Ramadan CWP  
 Project Type: Constructed Wetland Park  
 Location: 10th City, Cairo Governorate, Egypt, 30°20'17.9"N 31°47'19.2"E  
 Climatic Zone: Arid Climate, BWh  
 Hardiness Zone: 10  
 Asses. Author: xxxxxxxxx

Activities		Project Activities														
		Construction Phase							Operation Phase							
Impacts		Construction Phase Assessment		IF* Impact Value ref. 5*M*P*D	ENV* Impact Factor Ratio R= N/ENV	Weight	IV Weight Relevance (IV*WR)	Percentage Achieved	Operation Phase Assessment		IF* Impact Value ref. 5*M*P*D	ENV* Impact Factor Ratio R= N/ENV	Weight	IV Weight Relevance (IV*WR)	Percentage Achieved	
Category	Impact Factors (IF)															
Environmental Impact Factors	Climate Agents	Air Quality	5	2	100	0.0485	0.8	0.038816	40.00%	5	2	250	0.05	0.9	0.04505	100.00%
		Urban Micro-Climate	4	2	32	0.0155	0.7	0.010869	12.80%	5	2	250	0.05	0.9	0.04505	100.00%
		Carbon Foot-print	3	1	12	0.0058	0.7	0.004	4.80%	4	3	72	0.0144	0.8	0.01153	28.80%
		Noise	0	0	0	0	0.7	0	0.00%	2	3	12	0.0024	0.8	0.00192	4.80%
				3	1							1	2			

Project Title: 10<sup>th</sup> Ramadan Constructed Wetland Park  
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 Location: 10th City, Cairo Governorate, Egypt, 30°20'17.9"N 31°47'19.2"E

nr.	Category	Total Score	Max Score	Sustainability Weight	Sustainability		
					Achieved Sust. Score from 10	Max. Sust. Score from 10	Percent Achieved
1	Environmental Impact Factors	2064	2702	0.4234	3.23	4.23	76.39%
2	Socio-Cultural Impact Factors	1237	1988	0.2947	1.83	2.95	62.24%
3	Economical -Technical Impact Factors	1015	1317	0.2819	2.17	2.82	77.09%
Total Impact Assessment				1.00	7.24	10	72.42%



nr.		Category	Category score	Max. Score	%	Phase Weight	Category Total Score	Max Score	Percentage Achieved
1	Environmental Impact Factors	Construction Phase	805	2375	33.89%	0.074	2064	2702	76.39%
2		Operation Phase	2003	2525	79.33%	0.926			
3	Socio-Cultural Impact Factors	Construction Phase	139	1850	7.52%	0.074	1237	1988	62.24%
4		Operation Phase	1226	1850	66.27%	0.926			
5	Economical -Technical Impact Factors	Construction Phase	716	1225	58.47%	0.074	1015	1317	77.09%
6		Operation Phase	961	1225	78.45%	0.926			
		Total Sustainability Achievement in Construction Phase							33.05%
		Total Sustainability Achievement in Operation Phase							75.24%



Fig. 3: Sustainability analysis and Categories Performance Charts (Source: Author)

# Matrix Cwp 250 6500 User Guide

**Julia Schneider**



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