INCORPORATING SUSTAINABLE PROCUREMENT PRACTICES IN THE SRI LANKAN CONSTRUCTION INDUSTRY: CHALLENGES AND BENEFITS

Appendix C: Data analysis summary / Cross analysis

Descriptive Statistics	Analysis from SDSS				Analysis by Education level				Analysis by Age				Analysis by Sector			Analysis by Procurement Experience					Analysis by International Proc Experience			
	All data Analysis				Certificate	Diploma	Graduate	P.Graduate	Below 30	30~39	40~49	above 50	Public	Private	Int/NGO	0 ~5	6 ~10	11~15	16 ~20	over 20	0 ~5	6 ~10	11~15	No Int. Exp
Environmental factors	N	Mean	Std. Deviation	Rank	Rank				Rank				Rank			Rank					Rank			
Comply with LEED	52	3.63	0.817	8	8	7	8	9	10	9	9	7	9	7	8	9	8	8	8	3	10	6	4	9
Comply with GBCSL	52	3.63	0.768	9	8	7	9	8	8	8	8	10	8	8	10	8	7	9	8	6	8	6	8	8
Reduction of air pollution	52	4.35	0.653	4	1	4	4	2	2	3	3	6	4	3	5	1	3	5	1	6	6	4	6	2
Reduction of greenhouse gas emission	52	4.17	0.648	5	4	5	5	5	2	5	5	8	5	5	1	4	5	4	5	3	4	4	4	5
Increase of Energy efficiency	52	4.38	0.599	2	4	1	2	4	2	4	2	2	3	2	3	5	2	2	2	3	3	1	1	3
Increase of water efficiency	52	4.54	0.503	1	4	2	1	1	1	1	1	2	1	1	3	2	1	1	2	1	1	1	1	1
Use of renewable energy	52	4.37	0.687	3	1	2	3	3	5	2	4	1	2	4	2	3	4	3	2	1	2	1	1	4
Rain water harvesting	52	3.90	0.975	6	1	5	6	7	8	6	6	5	7	6	6	7	6	5	6	10	4	8	8	6
Use of Biodegradable or Compostable materials	52	3.87	0.841	7	4	9	7	6	6	7	7	2	5	9	7	6	9	7	8	6	7	8	6	7
Implement buy back option	52	3.42	0.936	10	8	9	10	10	7	10	10	9	10	10	8	9	10	10	6	9	9	8	8	10
Social factors	N			Rank												0	0	0	0	0	0	0	0	0
Use of Department of Labour/ILO as minimum guidelines	52	4.04	0.559	8	7	3	9	6	7	8	5	9	9	7	8	8	7	7	2	8	8	3	6	8
Social awareness and community consultation	52	4.02	0.577	9	7	3	7	9	9	6	8	8	6	9	5	9	8	6	2	8	7	3	6	9
Capacity building of work force /knowledge transfer	52	4.33	0.585	4	7	3	2	3	1	3	6	4	5	3	5	4	2	5	2	1	4	1	2	5
Gender equality	52	3.44	1.037	11	7	9	10	10	10	10	10	7	10	10	10	10	10	10	10	4	10	10	9	10
Health and Safety to woke force	52	4.62	0.491	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Use of local labour	52	4.08	0.813	7	1	1	6	7	4	7	6	10	8	5	8	5	5	9	7	10	6	9	9	7
Reduce impact on surrounding environment	52	4.29	0.605	5	1	3	5	5	7	2	4	4	2	6	5	6	3	4	2	4	5	3	6	4
Welfare facilities to work force	52	4.38	0.530	2	1	3	2	2	4	4	2	2	2	2	3	3	4	2	2	1	2	6	4	2
Fair and reasonable wage to the workers	52	4.35	0.556	3	1	3	2	4	3	5	3	2	4	4	2	2	5	2	7	4	3	6	2	3
Past performance of the contractor related to social factors	52	4.00	0.686	10	1	9	8	8	6	9	9	4	7	8	4	7	9	7	7	4	9	6	4	6
Drives	N			Rank												0	0	0	0	0	0	0	0	0
Legislation (Government and regulations)	52	4.21	0.605	1	1	1	1	1	3	2	1	1	1	2	2	1	3	1	1	1	2	1	2	1
Competitive edge of the market	52	4.02	0.610	4	1	4	4	4	1	4	4	2	3	4	2	4	3	2	4	2	1	3	2	4
Client Procurement Policy	52	4.08	0.652	3	4	2	2	3	1	3	2	2	2	1	2	2	1	4	3	2	4	1	1	3
Company willingness to change	52	4.10	0.634	2	1	3	2	2	3	1	2	4	4	3	1	2	2	3	2	4	3	3	2	2
Benefit	N			Rank												0	0	0	0	0	0	0	0	0
Reducing use of natural resources	52	4.25	0.556	3	3	1	4	1	8	3	1	8	3	1	5	7	1	2	5	1	2	1	2	3
Meeting the forthcoming legislation around the "Thirasara Sa	52	3.71	0.572	10	10	2	9	10	9	10	8	10	9	9	10	9	10	10	9	4	10	3	10	9
Reducing in harmful emissions and waste generation	52	4.31	0.506	1	3	7	1	1	4	1	2	2	1	2	6	1	3	3	1	1	4	1	2	1
Improving in working conditions - labor standards, health and	52	4.27	0.598	2	3	2	2	3	1	2	4	6	2	3	2	2	2	4	1	4	1	3	2	2
Assisting disadvantaged groups in society	52	3.71	0.723	9	3	10	10	8	10	6	10	8	10	10	7	10	8	8	7	1	8	9	2	10
Up skilling your workforce to meet the future needs of your or	52	4.00	0.594	7	3	7	4	7	4	6	7	2	5	7	8	8	4	7	7	8	7	3	2	8
Saving the long term by considering the whole life cycle cost	52	4.19	0.561	4	3	2	3	4	1	4	3	6	3	4	2	4	6	1	5	4	2	3	2	4
Meet international obligations (Kyoto protocol/Climate Chang	52	3.88	0.758	8	3	7	7	9	4	4	9	5	7	8	8	2	9	9	10	8	8	10	8	6
Improving the efficiency and transparency of procurement pro	52	4.10	0.664	6	1	2	8	5	3	9	6	1	8	6	1	6	7	5	1	4	6	3	1	6
Stimulate the market for green technologies	52	4.13	0.595	5	1	2	4	6	4	6	5	2	6	4	4	5	4	5	1	8	4	3	8	5
Challenges	N			Rank												0	0	0	0	0	0	0	0	0
Lack of funding and un-willingness to incur higher capital cost	52	4.10	0.823	1	2	1	1	1	1	2	2	1	1	1	4	4	1	7	1	1	1	1	3	2
Lack of awareness, understanding, information, commitment	52	4.00	0.767	3	2	1	2	4	1	4	1	5	4	4	1	1	6	2	3	1	6	5	3	1
Insufficient policies, regulations, incentives and lack of leaders	52	4.02	0.828	2	2	4	3	3	4	2	3	3	2	3	2	2	2	5	2	1	3	1	1	3
Insufficient/confusing guidance, tools, demonstrations and be	52	3.63	0.929	8	2	4	7	8	6	9	7	2	9	7	4	7	9	9	3	7	9	5	6	8
Vagueness of definitions and diversity of interpretations	52	3.50	0.828	10	9	10	8	10	8	10	9	6	10	10	9	9	10	10	8	4	10	10	3	10
Separation between capital budget and operational budget	52	3.77	0.731	5	1	4	6	5	6	7	6	3	5	5	7	6	4	6	6	7	5	5	1	5
Lack of sufficient time to address sustainability issues	52	3.56	0.998	9	9	4	9	9	10	8	7	6	7	9	10	10	7	7	6	4	8	5	9	9
Resistance to change	52	3.98	0.779	4	2	4	4	1	1	1	4	8	3	2	3	3	4	1	3	4	1	3	8	4
Insufficient skilled staff for execution	52	3.65	0.988	7	2	1	10	6	5	6	10	9	7	6	8	5	8	3	8	10	4	3	10	7
Complicated procedures	52	3.71	0.957	6	2	4	4	7	9	5	5	9	5	8	6	7	3	3	10	9	6	5	6	6