

Chapter - 6

Sustainable Coastal Tourism

6.1 Sustainable Coastal Tourism

The uncontrolled tourism growth in expanses of the conversion of sensitive environmental components (wetlands, sand dunes, forests etc) of the coastal zone will damage the buffers against the geomorphic and hydrologic hazards along the estuarine and tide dominated coasts. The environment friendly activities and limited alteration of natural landscapes may protect the attractions of coastal destinations to the tourists. Sustainable coastal tourism is possible if the environmental regulations (CRZ) of the coast are followed by the stakeholders in the region.

6.2 Sustainable Indicators in Tourism Promotion

To assess the status of sustainability of the coastal destinations twelve (12) sustainable indicators are considered in the final stage of the work. According to the significance of indicators the specific value is added to each indicator for assessment of destination sites ([Annexure 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98 and 99](#)).

Table 6.1. Sustainable indicators value for the coastal destinations.

Indicators	Mandarmani	Dadanpatrabar	Dakshimpurostompur	Rasulpur	Nayachar Island	Mandirtala	Benubon	Boatkhal	Begukhal	Gangasagar	Frejerganj	Bakkhal	Henry's Island
Social Equity and Economy	0.65	0.063	0.67	0.71	0.45	0.48	0.44	0.46	0.45	1.15	1.1	0.53	0.51
Biological Diversity	0.59	0.41	0.45	0.62	0.63	0.36	1.28	0.36	0.33	0.67	0.67	1.36	1.88
Cultural Richness	0.43	0.17	0.17	1.76	0.15	1.54	0.48	0.38	0.16	2	1.13	0.69	0.49
Environmental Purity	0.35	0.29	0.29	0.5	1.5	0.26	1.5	0.26	0.26	0.41	0.35	0.4	1.8
Physical Integrity	1.33	0.35	0.36	0.66	0.27	0.89	0.56	0.21	0.21	1.5	1.1	1.31	0.59
Employment Quality	2.2	0.25	0.24	0.57	0.28	0.24	0.26	0.25	0.24	1.1	1.2	1.8	0.91
Visitor Fulfillment	1	1	1	1.3	0.35	0.27	0.27	0.36	0.27	1.5	1	1.1	1.4
Local Control	1.5	0.55	0.44	0.65	0.15	0.12	0.13	0.13	0.11	1.9	1.9	1.5	0.48
Community Well-Being	1.66	0.26	0.3	0.55	0.22	0.23	0.2	0.18	0.2	2.4	1.34	1.6	0.32
Resource Efficiency	2.1	0.25	0.25	0.36	0.85	0.2	0.2	0.2	0.2	1.3	0.85	1.95	0.85
Local Prosperity	1.4	0.8	0.8	1.3	0.16	0.2	0.17	0.16	0.17	1.4	1	0.9	1.1
Economic Viability	1.6	0.22	0.22	0.86	0.16	0.53	0.17	0.17	0.17	1.22	1.2	1.4	1.26
	1.23	0.41	0.43	0.82	0.43	0.44	0.47	0.26	0.23	1.37	1.07	1.21	0.96

The sustainable indicators include as (i) Social Equity and Economy (ii) biological diversity (iii) cultural richness (iv) environmental purity (v) physical integrity (vi) employment quality (vii) visitor fulfillment (viii) local control (ix) community well-being (x) resource efficiency (xi) local prosperity and (xii) economic viability of the destinations. Finally, the estimated value (Table 6.1) of the individual indicators and the results show in diagrammatically (Fig. 6.1, 6.2 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 6.11, 6.12 and 6.13) in respect to each destination sites.

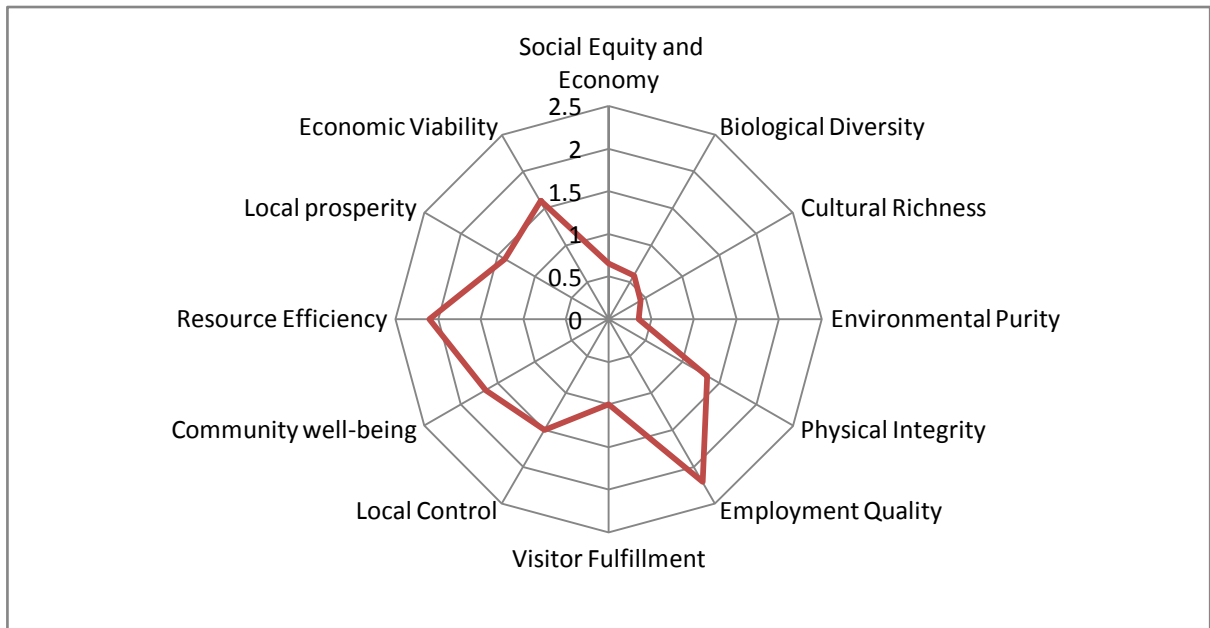


Fig. 6.1: Sustainable indicators for Mandarmani site.

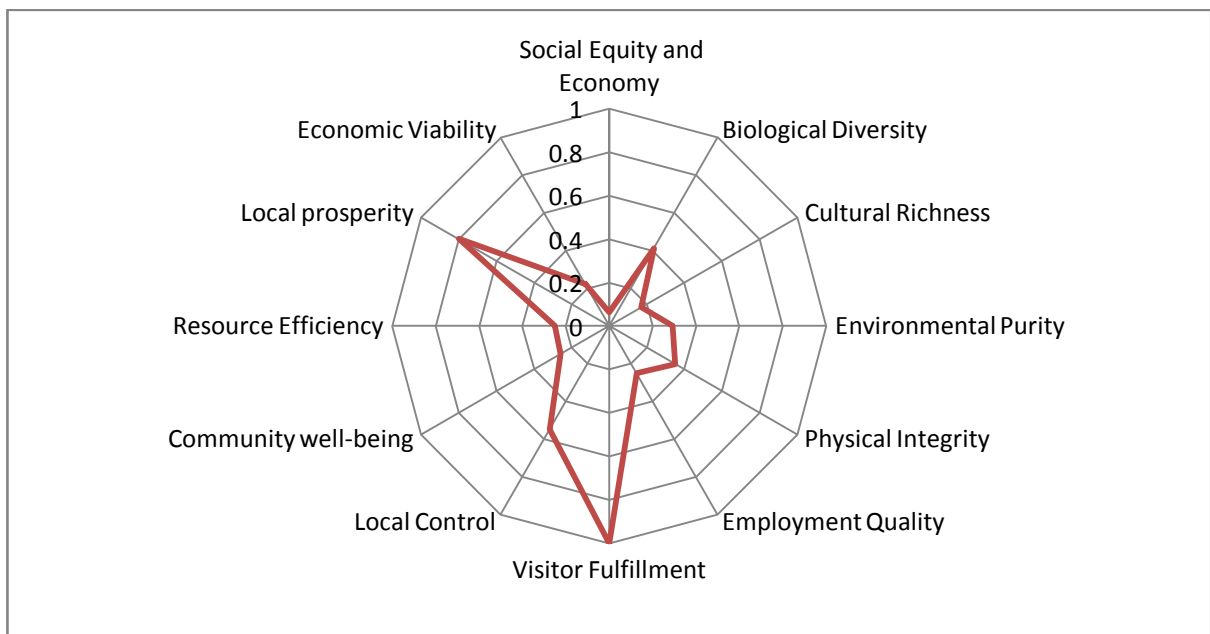


Fig. 6.2: Sustainable indicators for Dadanpatrabar site.

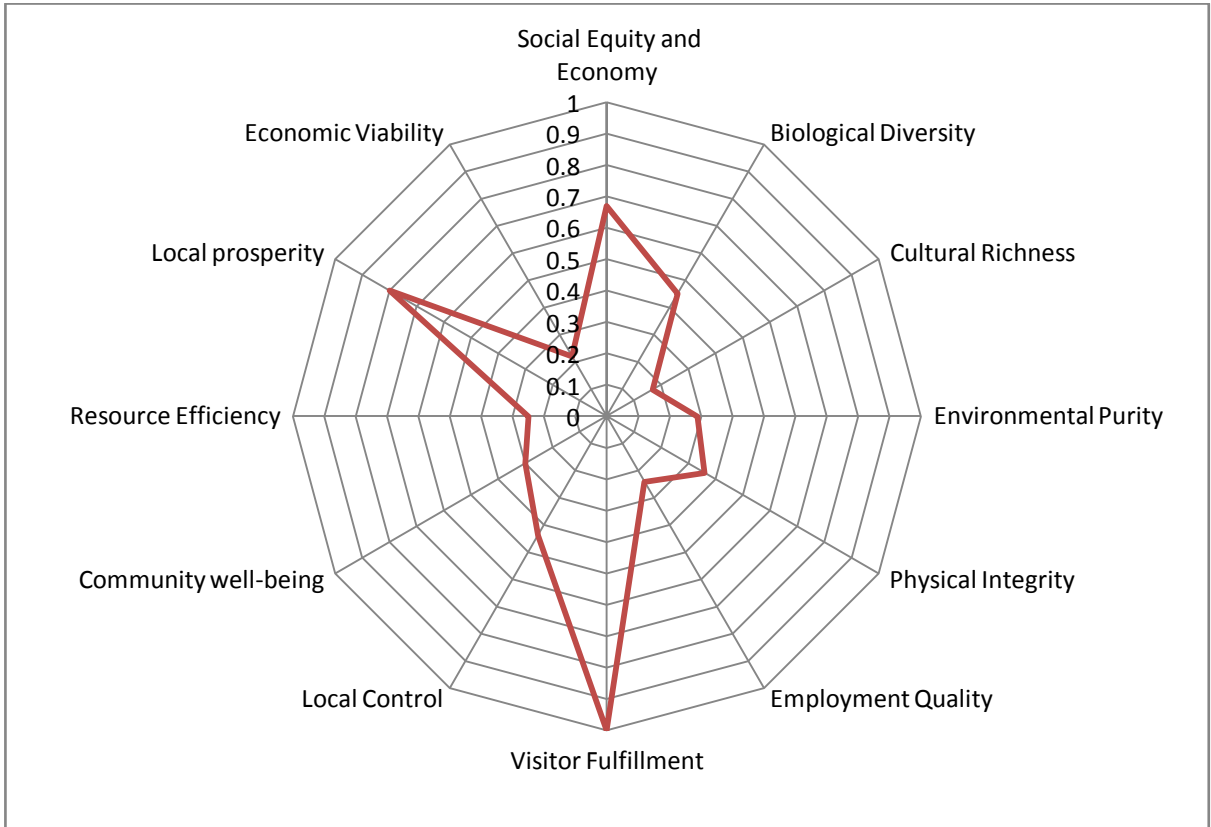


Fig. 6.3: Sustainable indicators for Dakshinpurossuttampur site.

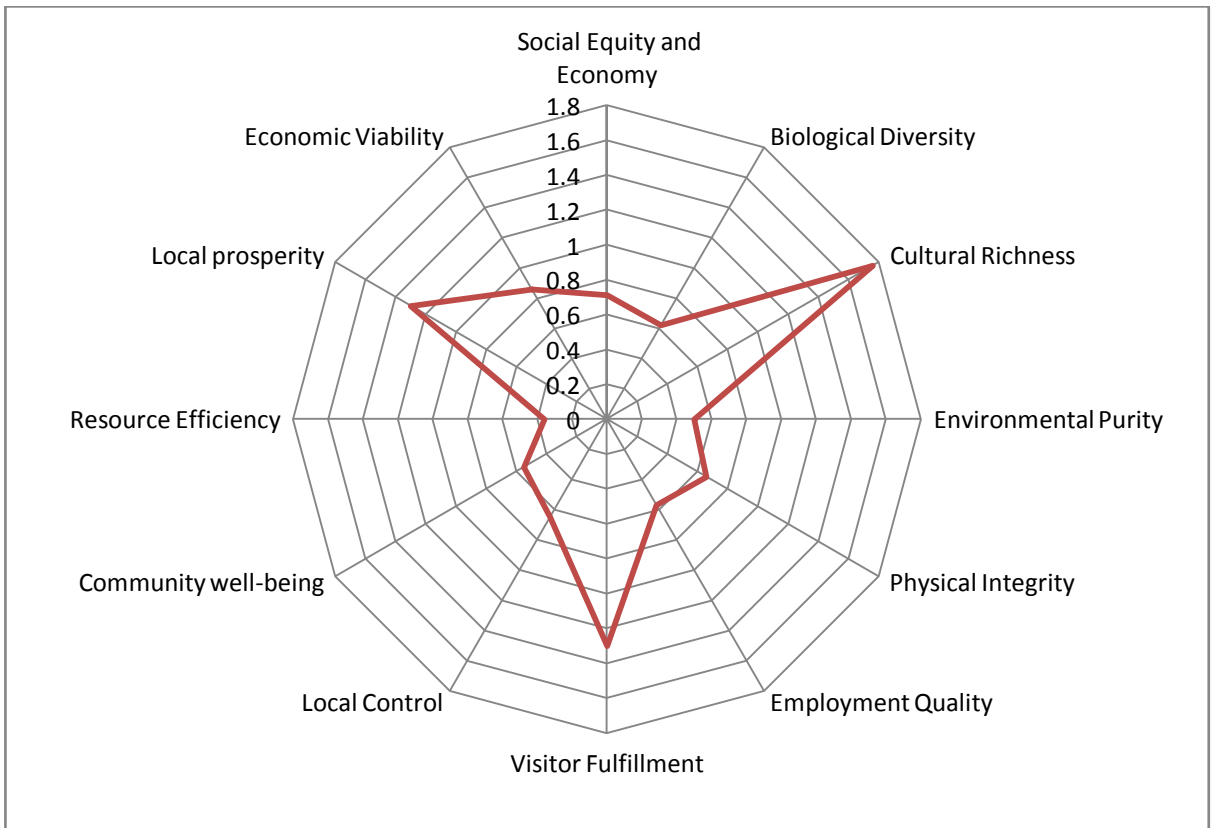


Fig. 6.4: Sustainable indicators for Rasulpur site.

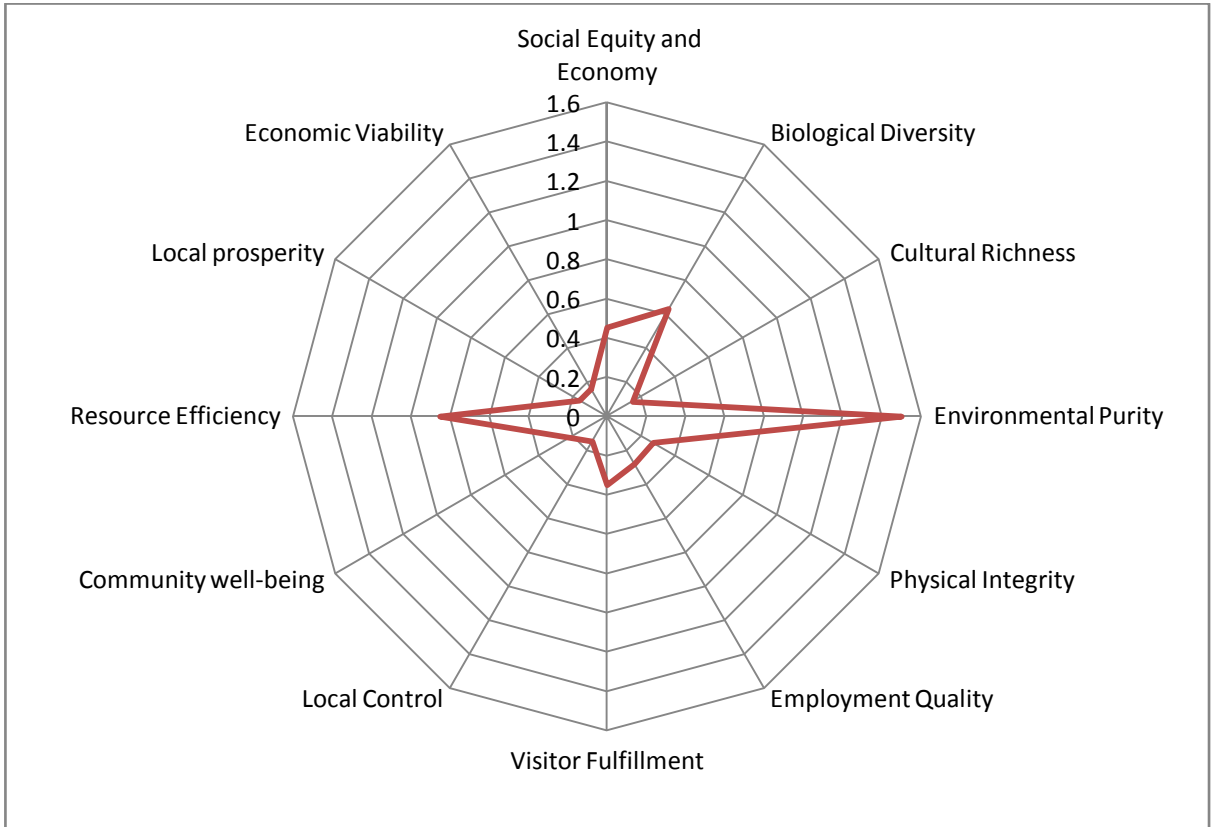


Fig. 6.5: Sustainable indicators for Nayachar Island site.

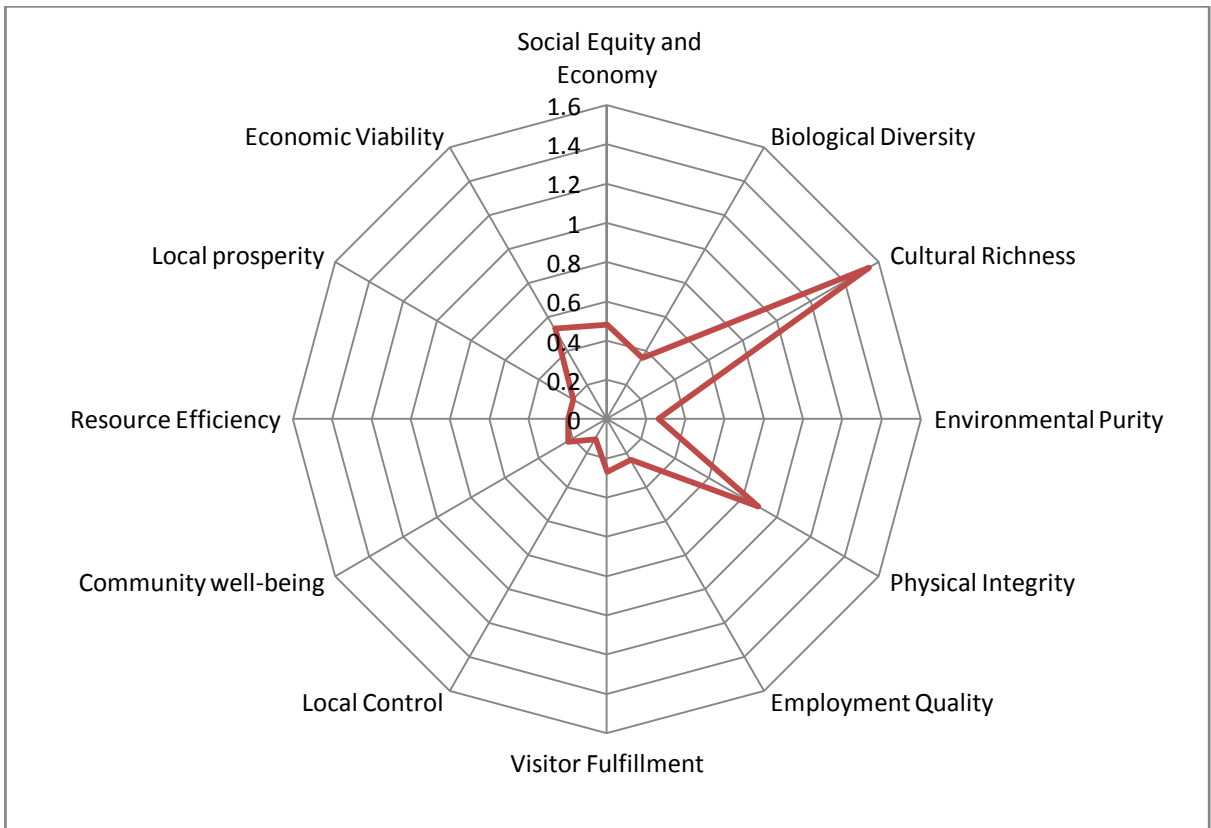


Fig. 6.6: Sustainable indicators for Mandirtala site.

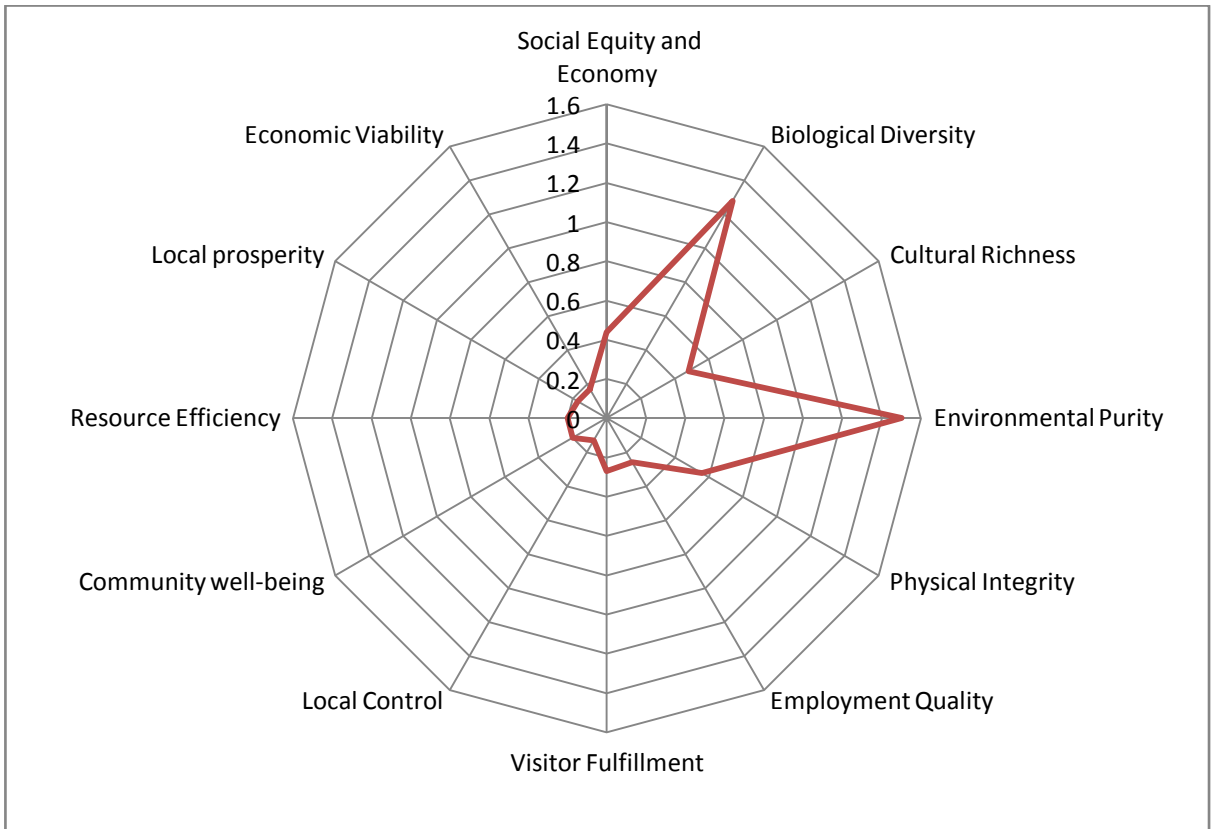


Fig. 6.7: Sustainable indicators for Benubon site.

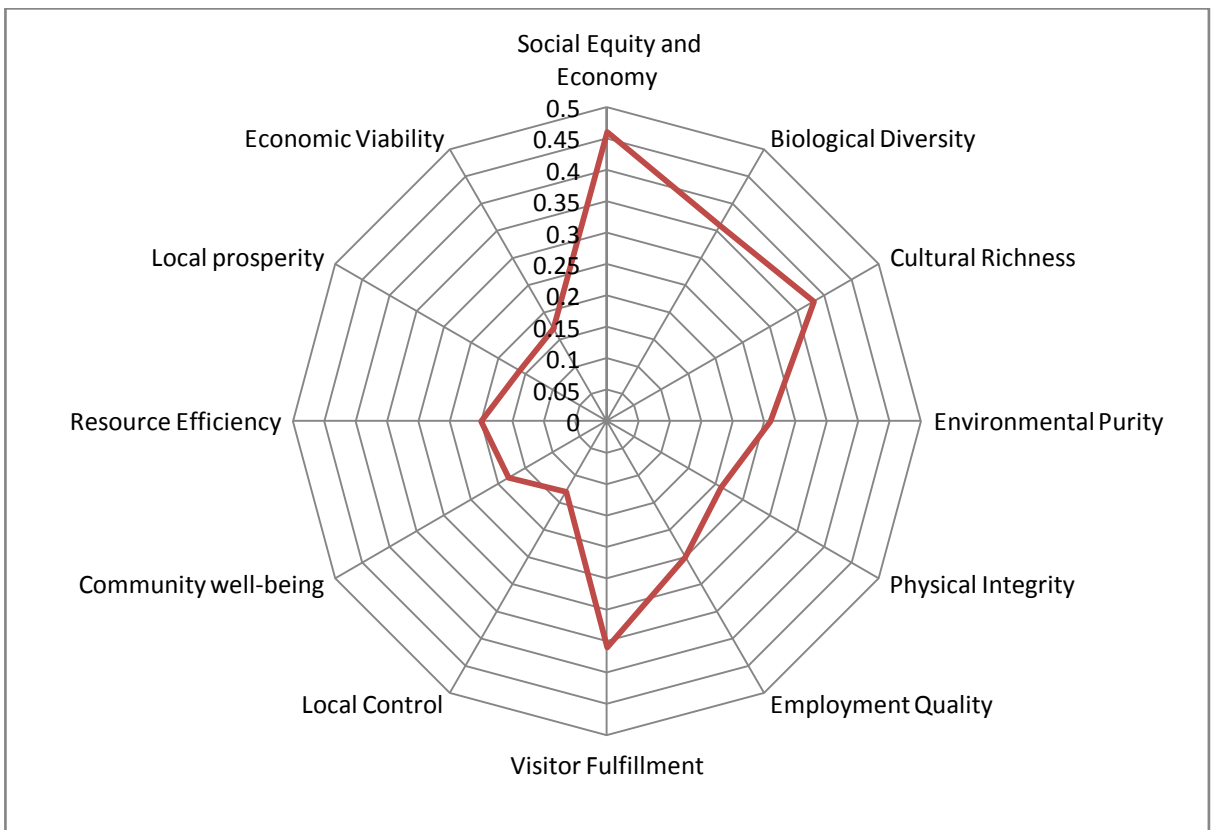


Fig. 6.8: Sustainable indicators for Boatkhali site.

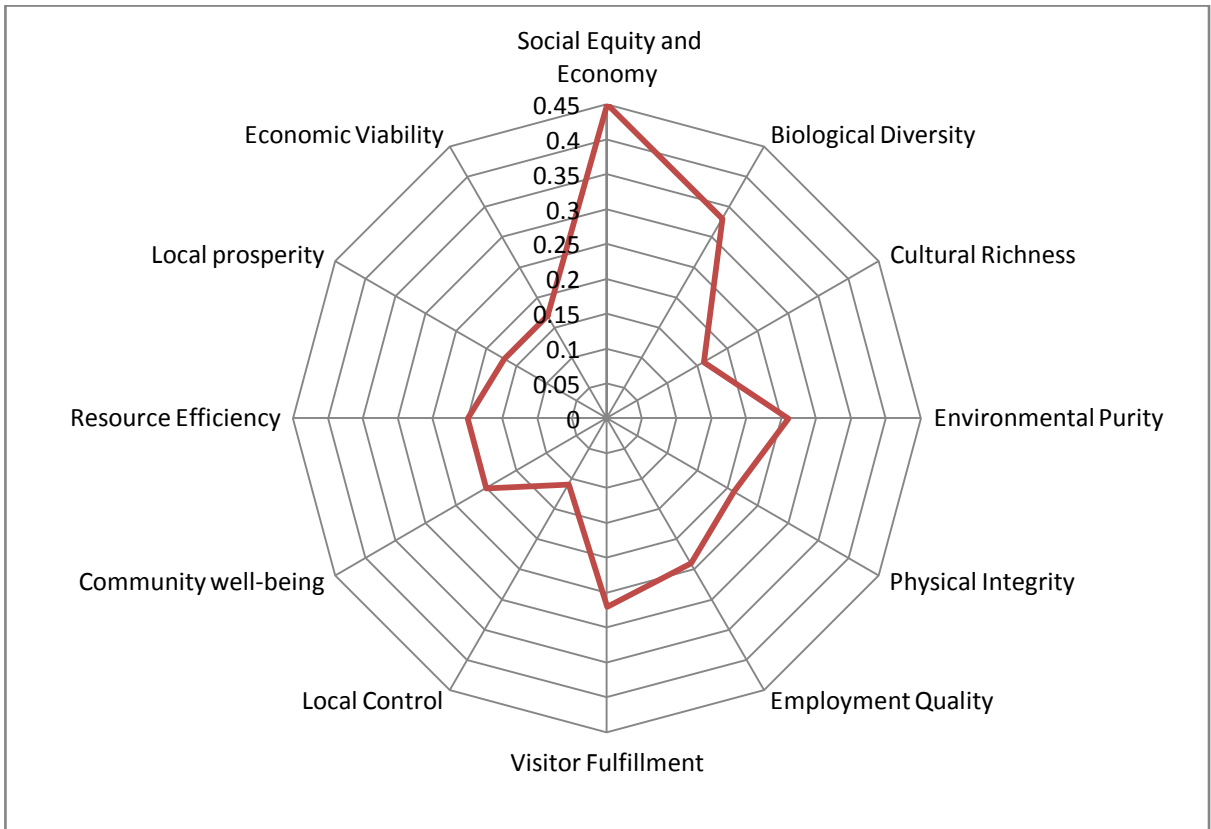


Fig. 6.9: Sustainable indicators for Beguakhali site.

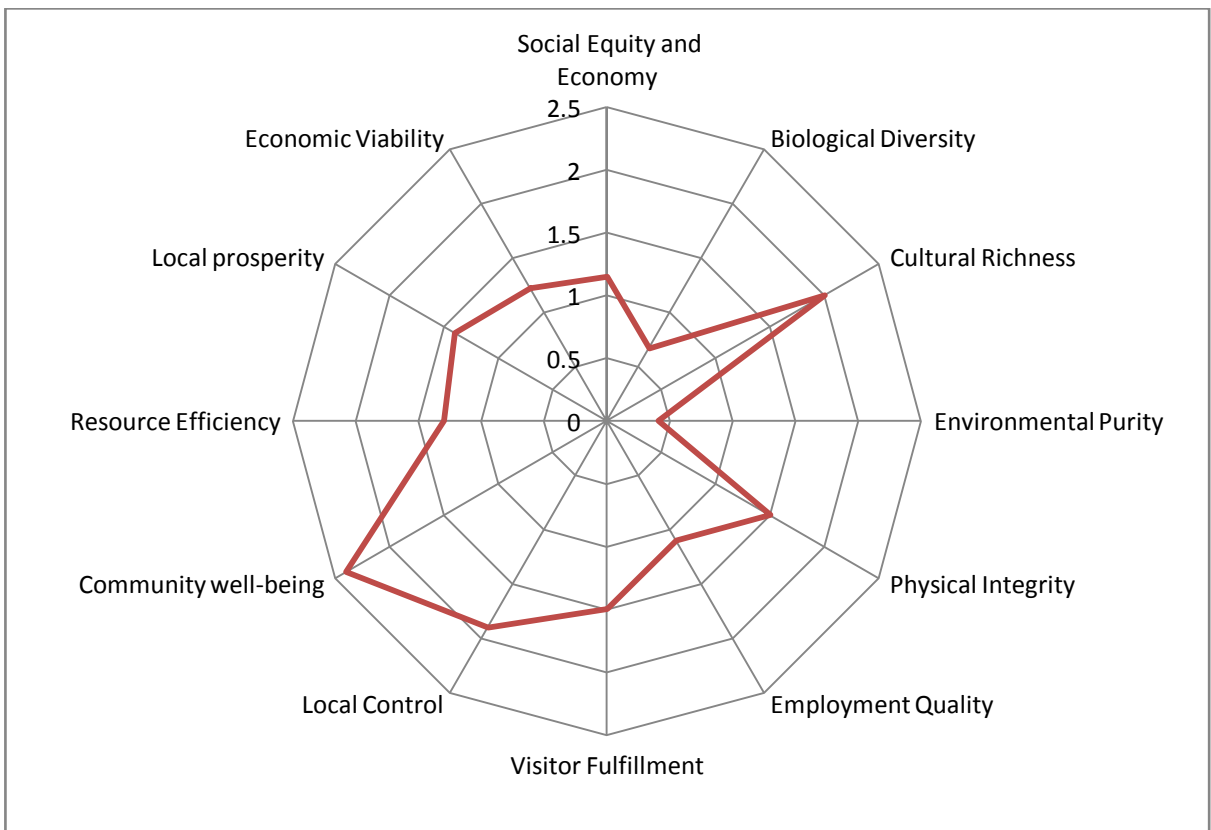


Fig. 6.10: Sustainable indicators for Gangasagar site.

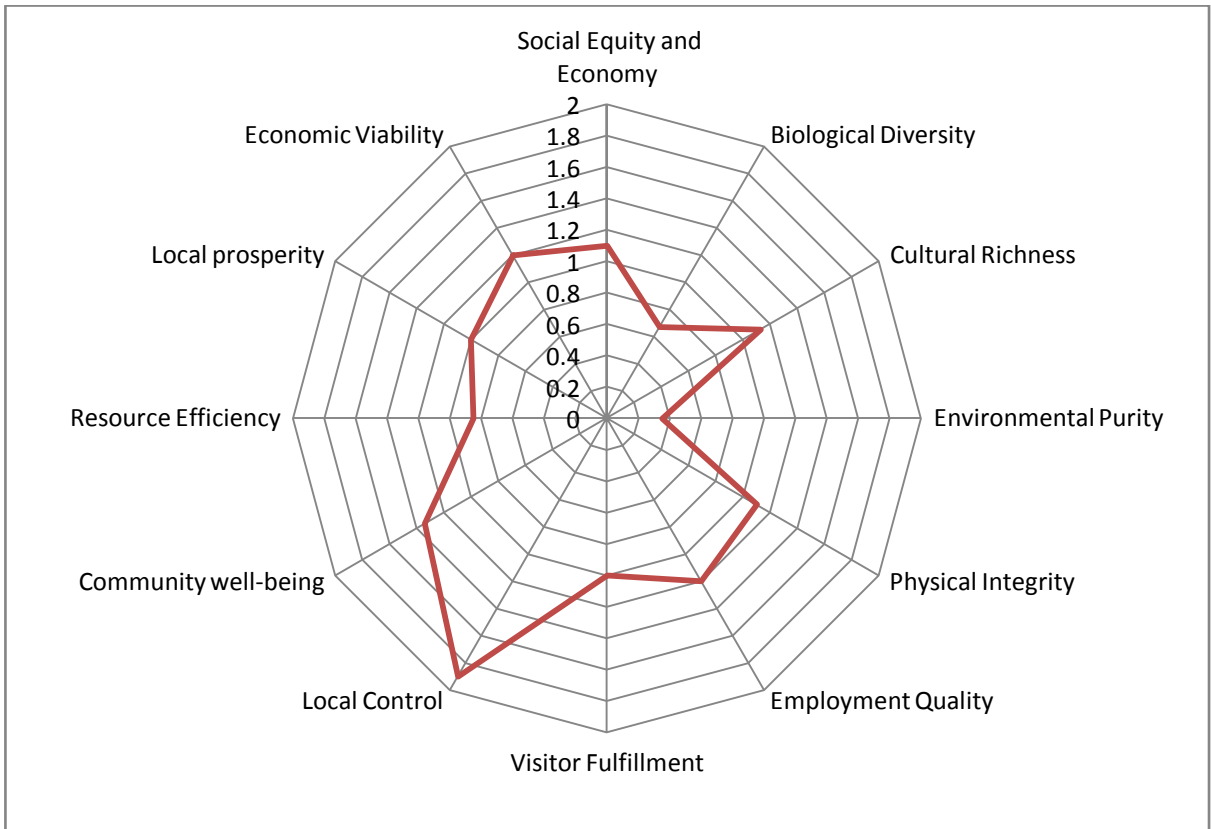


Fig. 6.11: Sustainable indicators for Frejerganj site.

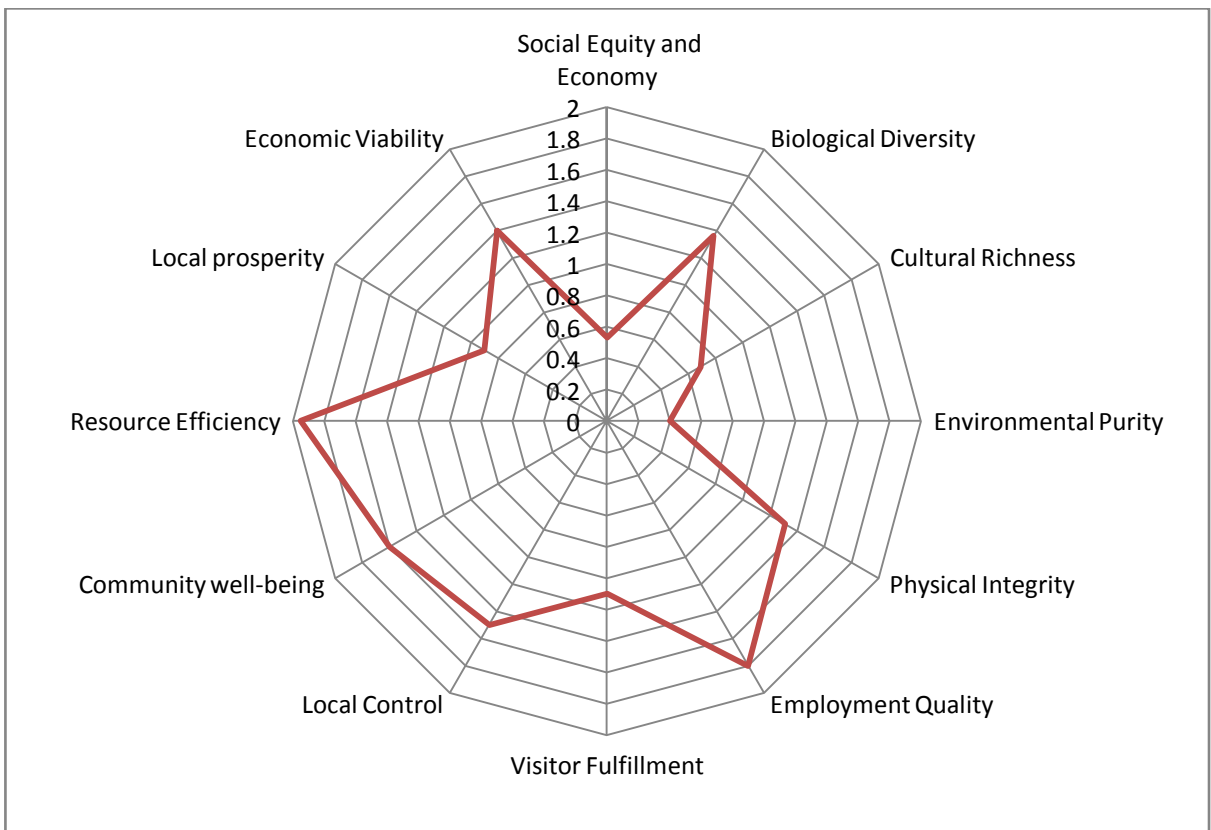


Fig. 6.12: Sustainable indicators for Bakhali site.

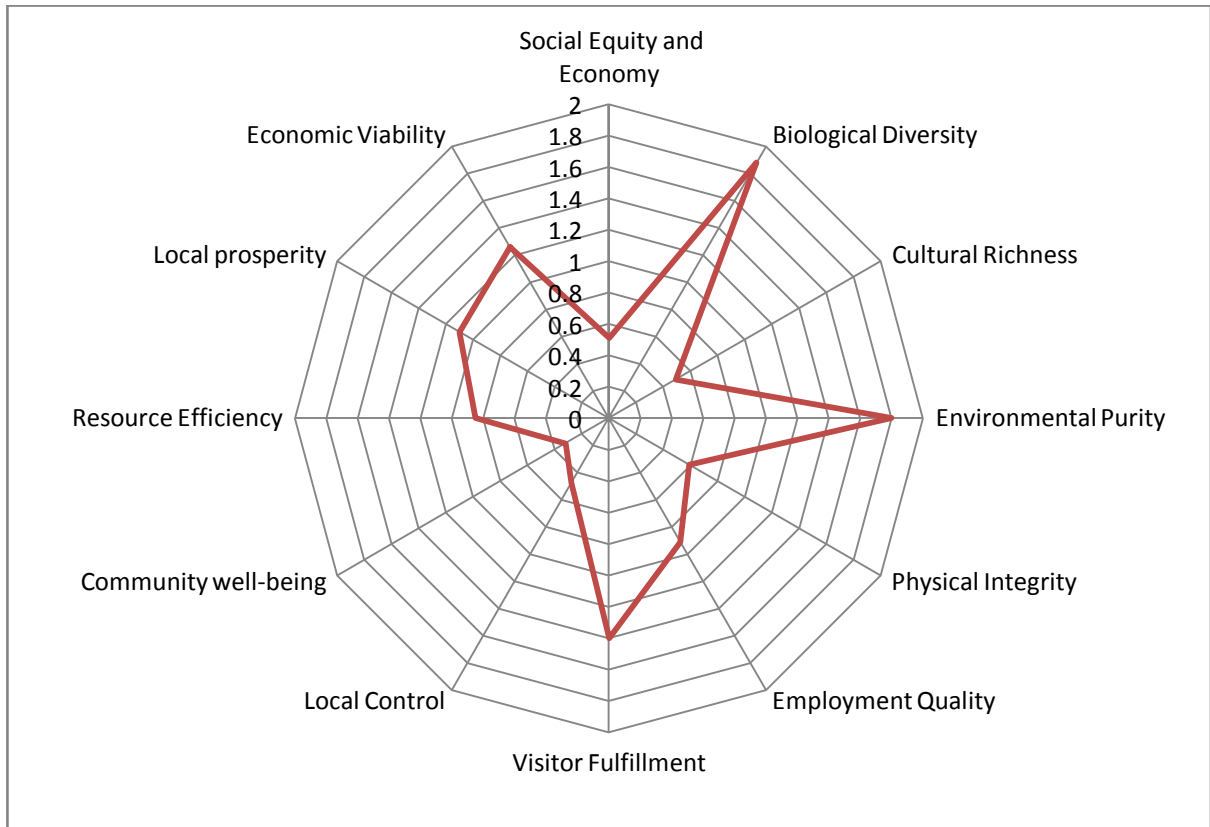


Fig. 6.13: Sustainable indicators for Henry's Island site.

The assessment shows that seven destinations out of thirteen of the study area represent less sustainable coastal tourism. Total values of the indicators for the above destinations are estimated as below 0.5. However, only two destinations have indicator values ranging from 0.5 to 1.0 and represent as moderately sustainable coastal tourism practices at present. Finally, by the above study it is estimated that only four destinations run the coastal tourism recreational activities in a sustainable manner in the coastal zones.

To achieve the sustainability of seven destinations having low scoring values need appropriate measures. Following recommendations may be made for the improvement of above destinations:

- i) Habitat preservations, ii) Eco-friendly infrastructures, iii) Restricted accessibility of the sensitive areas, iv) limited visitors should be allowed, v) Interpretation centers to aware the ecological significance of coastal systems to the visitors, vi) Restoration of the ecosystems by scientific policies and vii) Investment of capital for local development etc.