

Appendix 2. Multicriteria analysis of potential set of measures recommended by the key informants to address the observed causes of salinity increase

Sl. No.	Potential measures	Criteria*					Score
		Effectiveness	Side effects	Cost	Feasibility	Uncertainty	
1.	Planned shrimp farming practice	+++	+++	+++	++	+++	14
2.	Functional management of the existing polders	+++	+++	-	++	-	6
4.	Periodic/scheduled (re)-excavation	+++	+++	--	++	-	5
5.	Short term Strengthen and heighten the existing embankments	++	++	-	+	-	
6.	Reduce dependency on ground water extraction for upstream irrigation	+	+++	-	+	--	2
7.	To be active in transboundary negotiation process on water sharing	+	+++	+	+	---	3
8.	Designing land management practice	++	+++	-	++	-	5
9.	Planned infrastructural development in water resource management	+++	+++	---	+++	-	5
10.	Mid-term TRM along with sediment management practice	+++	+++	+++	++	+++	14
11.	Administrative unit wise assessment on demand of water for different category enforcement of Water Act 2013 on priority basis;	++	+++	-	++	-	5
12.	Develop upstream water management strategy for dry season	+	+++	-	+	-	3
13.	Enforcement of Water Act 2013 on priority basis	++	+++	--	+	+	5
14.	Long term Land use zoning	+++	+++	+	+++	+	11
15.	Integrated management of different systems	++	++	--	++	-	3
16.	Continuous monitoring on river flow and sedimentation rate	+++	+++	---	+++	-	5
17.	Delta plan/Integrated long term plan for the coast	+++	+++	--	+++	+	8
18.	Water budget and allocation plan	++	+++	--	++	+	6
19.	Ganges barrage	+++	+++	---	+++	+	7

*For description with score card for the selected criteria please see Table 1