

Table 8. Value of services delivered by roads alongside the EYC

Road Operational days	Value of services generated by canal roads (Rs. Millions)								
	by farmers for farm field visit			by bikes/vehicles owner residing in villages			for recreation-walking, bathing etc.		
	Road charge (Rs./km)								
	2.50	5.00	7.50	5.00	10.00	15.00	0.25	0.50	1.00
250	0.98	1.96	2.94	1.42	2.83	4.25	0.10	0.20	0.39
300	1.17	2.35	3.52	1.70	3.40	5.09	0.12	0.23	0.47
350	1.43	2.86	4.29	2.07	4.13	6.20	0.14	0.29	0.57

Source: Authors' estimate

Table 9. Ecosystem services delivered by the EYC

Particulars	Estimates	
Total available water in EYC (MCM)	1106.02	
Total groundwater recharge (MCM)	598.09	
Share of recharge with cropped area	19.58	
Share of recharge with canal and its distributaries area	80.42	
Crop water use and water loss in form of evaporation, seepage and others (MCM)	507.93	
Cost incurred to the exchequer as working expenses for EYC command (Rs. millions)	757.28	
Estimated gross receipt based on irrigation charge fixed by government (Rs. millions)	22.83	
% recovery of working expenses (%)	3.01	
Total value of canal ecosystem		
	Minimum	837.2
	Maximum	1499.19
	Average	1122.86
Share of marketed services		
	Minimum	37.29
	Maximum	66.77
	Average	49.78