

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED.

Check List No: 28

Office of the
Executive Engineer, (Elec)
MWD., KPTCL,
Bagalkot

NAME OF THE WORK.

DIVERSION OF FOREST LAND FOR THE PURPOSE OF CONSUTRUCION OF NEW 110KV D/C LINE IN THE EXISTING 110KV MAHALINGAPURA-JAMKHANDI S/C LINE CORRIDOR FOR A DISTANCE OF 23.897KMS.

Cost Benefit Analysis

1	CONSUTRUCION NEW 110 KV D/C LINE IN THE EXISTING 110 KV MAHALINGAPURA-JAMKHANDI S/C LINE CORRIDOR DISTANCE ABOUT 23.897KMS A) Estimated Cost	Rs.91786000=00
2	A) Annual energy saving due to loss reduction Generation station to National Grid B) Cost of energy C) Cost of annual energy Saving due to loss reduction (2(a)x2(b))	
3	a) Life of the project b) Interest rate c) Discount factor	30 Years (Every thirty years line should be renewed) 10% 8.055
4	Present value of annual energy savings (Due to loss reduction over a project period of 30 Years)=2(C)x3 (C)	
5	a) annual O&M expenses on 1(a) @ 1% b) Present value of annual O & M expenses over a project period of 30yrs =5(a)x3(c)	Rs.917860=00 Rs.7393362.30
6	Total investment + present value of O&M=1(a)+5(b)	Rs.99179362.30
7	Benefit to cost ratio = 4/6	Not Applicable

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