Office of the Deputy Conservator of Forests, Sirohi - 307001
Tel,- Fax- 02972-222277, Email – dcf.sirohi.forest@rajasthan.gov.in & dfosirohi@gmail.com

Calculation of Total financial outlay of Compansatory Afforestation (CA) scheme

Project Details:

Name of Project: Battisanallah Minor Irrigation Project

Forest Land to be Diverted: 91.202 Ha

NFL against Diversion: 91.202 Ha

Vegetation Density of Forest Land being Diverted : 0.65 (Dense Forest)

Eco Class of the Forest being Diverted : Class III

(A) CA Amount Calculation:

- CA rate (for above sighted NFL) = Rs. 145925/- per ha as per letter No. Fa./(357)/ou@97&ikVZ 12-08-2015-

- Total CA demand * = 145925 X 91.202= Rs. 1,33,08,652/-_____(a)
  (*At present labour rate; the user agency has to bear the additional amount as result of any enhancement in labour rates further.)
  CA has been revised which is attached separately

(B) NPV Calculation:

- NPV Rate = Rs 803000/- per ha (as per MOEF letter No. F.5.3/2007 FC dated 05.02.2009)

- Total NPV demand = 803000 X 91.202 = Rs. 7,32,352,06/-_____(b)

(C) Woods in submergence :

Tabular details of trees coming under submergence:

Girth Class Mean (cm)	No. Of trees in this class	Average Height of trees of this class (M)	Average Vol of each tree (cuM)	Total Timber vol in the Class (cuM)
45	18968	2	0.032	606.976
75	3941	2.5	0.112	441.392
105	71	3	0.263	18.673
			Total Timber Vol (cuM)	1067.041

- Value of timber per cuM is Rs.10,300/- (as provided by Swarupganj Depot of DOD wing)

- Total Wood Value to be recovered= 10300 X 1067.041=Rs. 1,09,90,522/-_____(c)

(D) Watch Tower and Guard hut(as Proposed during inspection of officials):

- Construction of one watch tower @Rs.10 Lakhs and one guard chowki@Rs.20 Lakhs (estimates attached separately)

- Total amount for the provision= Rs.30,00,000/-_____(d)

Hence Total Financial Outlay for CA scheme of project =

(a)+(b)+(c)+(d) =Rs. 10,05,34,380/-

In words, Rs. Ten Crores Five Lakhs Thirty Four Thousands Three Hundred and Eighty only.

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