COST BENEFIT ANALYSIS
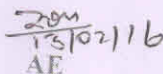
Total Length of the road= 27.20 KM.
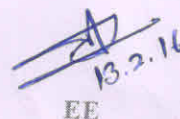
(A) Benefit due to easy communication

suppose 250 vehicle (heavy) ply per day for 1 year

Nos. of Vehicle – 250 x 365 = 91250.00

Assuming Rs. 4000 (av) per vehicle per day

= 91250 x 4000   =   36.500 Crores

(B) Food grains, vegetables, Jungle products transportation

Assuming   1500 MT Paddy

500 MT Mahua

100 MT Vegetable

Cost enhancement of product due to proper connectivity

1500 MT x 5000 per MT   =   0.750 Crores

500 MT x 10000 per MT   =   0.500 Crores

100 MT x 10000 per MT   =   0.100 Crores

1.350 Crores

(C) Hat, Bazar development besides alignment of road

Assuming 250000 (av) per day

for 1 year   365 x 250000   =   9.125 Crores

(D) Social upliftment of area

Assuming   =   50.000 Crores

(E) Other benefit such as Petrol Pump,

School, College etc establishment   =   25.000 Crores

TOTAL   =   **121.975 Crores**

Value of Forest / Environment

Assuming that even the extreme limit of 36 hectare land is involved
@ 887000 per hectare for forest density 0.80

= 36 x 887000   =   31932000.00

Total loss   =   + 48599226.00

Total = 80531226.00

Thus even for as much as 36 hectares forest area involved the W/S of this road would be advantages in monetary terms.

Cost benefit ratio = 121.975/8.053 = 15.146

JE

RCD Simdega

AE

RCD Simdega

EE

Road Division Simdega