

वेस्टर्न कोलफील्ड्स लिमिटेड,
(भारत सरकार का मिनिरल श्रेणी-1 उपक्रम)
क्षेत्रीय महाप्रबंधक कार्यालय,
पेंच क्षेत्र (परासिया), तह: परासिया
जि: छिन्दवाड़ा-460848



Western Coalfields Limited,
(A Miniratna Cat.1 Gov. of India Undertaking)
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संदर्भ क्र: वेकोलि/पेंच क्षेत्र/क्षे.महाप्र/योजना/96-99/ दि: 98.92.2096

PARAMETERS FOR EVALUATION OF BENEFITS, NOTWITHSTANDING LOSS OF FOREST
Cost Benefit Analysis

Sl.No	Parameters	Description	Calculation	Benefit in ₹.
1	Benefit from coal produced over a period proposed in the approved project report (20Yrs)	Total 0.4104 Million ton of coal will be produced having market value of ₹. 1234.00/ton as per the present rate.	0.4104 (MT) X 1234.0 (NSV) = 506.43	506.43
2	Benefits to economy	A total of 0.4140 Million Ton of coal from Mahadeopuri UG Mine, Pench Area worth ₹. 506.43 Cr. will be produced which will be benefited to enhance the economy. The Govt. shall be benefited by way of payment of Royalty & Taxes which shall be around ₹. 75.9645 Cr as per the prevailing rate as on today. The direct taxes include Excise duty (ED) 6%, EDU Cess 2% on ED, Higher EDU 1% on ED, SED ₹. 10.0/Te, Clean Energy Cess ₹. 50/Te, MPGATSV 5%, VAT 4%, Entry Tax 2% and Royalty 14% of value of coal produced.	Approx. 15% of the sale value (Basic sale value as on date is ₹. 1320.00)	75.9645
3	Benefits in terms of electricity generation	A total of 0.25 MT of coal will be produced annually from Jamunia UG Mine, Pench Area which shall be used for Power Generation. Taking average consumption of 0.6 Kg of coal per KWH of electricity generation, the total generation from 0.25 MT of coal will be 1.5×10^2 units.	20Yrs X (1.5×10^2) units X ₹.3.00 (Cost per unit)	9000.00
4	Employment potential	No direct employment in the mine is proposed and around 100 Indirect employment through other services.	(0 + 100) Manpower X 20 Yrs. X 365 days X 8 Hrs. (Shift hrs.) X ₹. 30 per man hour	17.52
5	Cost of acquisition of facility on Non-forest land wherever feasible	There no such scope for diversion of Non-forest land, as coal deposits lying beneath the forest area cannot be left out of mining.	Nil	Nil
6	Loss of (a) Agriculture & (b) animal Husbandry production due to diversion of forest land.	NIL: There is no agriculture or animal husbandry production in the area.	Nil	Nil
7	Cost of Rehabilitation of the displaced persons as different from compensatory amount given for displacement	There is no population in the forest land.	No rehabilitation	Nil

Cont. Pg No: 2

Sl.No	Parameters	Description	Calculation	Benefit in ₹.
8	Cost of supply of free fuel wood to workers residing in or near forest area during the period of construction	Not applicable. Free Fuel (Gas) is supplied to the workers of the company for domestic use.	Nil	Nil
9	Total benefits in Cr.			9599.9145

Cost Benefit Ratio

(A)	Loss of forest	₹. Cr.	0.00
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Sl.No	Parameters	Description	Calculation	Benefit in ₹.
(B1)	Cost benefit ratio in terms of Cost of coal produced	(Benefits/ Loss of forest) = ₹.506.43/0.00 Cr.	Infinite	100% profit
(B2)	Cost benefit ratio in terms of royalty/taxes to Govt.	(Benefits/ Loss of forest) = ₹.75.9645/0.00 Cr.	Infinite	100% profit
(B3)	Cost benefit ratio in terms of Electricity generation	(Benefits/ Loss of forest) = ₹.9000.00/0.00 Cr.	Infinite	100% profit
(B4)	Cost benefit ratio in terms of employment generation	(Benefits/ Loss of forest) = ₹.17.52/0.00 Cr.	Infinite	100% profit
(B5)	Cost benefit ratio in terms of Total Benefits	(Benefits/ Loss of forest) = ₹.9599.9145/0.00 Cr.	Infinite	100% Profit


 Nodal officer/Area Planning Officer,
 WCL Pench Area