

Cost Benefit Analysis for forest land diversion.

Table – A

Type of project involving forest land:

S.No	Nature of Proposal	Applicable/Not Applicable	Remarks
1	All categories of proposals involving forest land up to 20 Ha in plains and up to 5 Ha in hills.	Not applicable	
2	Proposals for defence installation purposes and oil prospecting (prospecting only)	Not applicable	
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	
4	All other proposals involving forest land more than 20 Ha in plains and more than 5 Ha in hills including roads, transmission lines , minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations centres, TV towers etc;	Not applicable	

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Table-B

Parameters which the cost aspect of forest land diverted for the development of projects.

S.No	Parameters	Remarks
1	Eco system services losses due to proposed forest diversion.	There is no losses to the Eco system.
2	Loss of animal husbandry productivity, including loss of fodder.	There is no loss of animal husbandry productivity.
3	Loss of human resettlement	In this project there is no loss involved on account of human resettlement.
4	Loss of public facilities and administrative infrastructure(Roads, Building, schools, Dispensaries, Electric lines, Railways etc;) on forest land, which would require forest land if these facilities were diverted due to this project.	No loss of public facilities is taking place and no administrative infrastructure(Roads, Building, schools, Dispensaries, Electric lines, Railways etc;) will be effected.
5.	Environmental losses(soil erosion effect on hydrological cycle, wild life, habitation, micro climatic upsetting of ecological balance)	No environmental loss as the forest land to be diverted is along the existing road only.
6	Cost of suffering to houses	Will not effect any house or structures
7	Habitat fragmentation cost.	Nil
8	Compensatory afforestation and soil & moisture conservation cost.	Compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value.

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Table-C

Parameters for assessing the benefits accruing to the project using forest land.

S.No	Parameters	Remarks
1	Increase in productivity attributed to the specific project.	The up gradation of the 63.672 Kms length of the existing road to National Highway standards will ease the mobility of vehicles. It will directly help in accelerating the commercial and industrial growth of the surrounding areas.
2	Benefits to the economy due to the specific project.	After achieving smooth and safe journey , the level of service increases. Due to this the substantial economic growth will achieved in terms of reducing vehicle operation cost and reduced travel time.
3	No. of population benefitted due to specific project.	The people of Medak, Siddipet and Warangal Districts will be benefitted..
4	Economic benefits due to of direct and indirect employment due to the specific project.	The approx. 10,000 man hours will be generated during the construction as well as maintenance period.
5.	Economic benefits due to Compensatory afforestation.	Nil.



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(1) UNDERTAKING

(To pay the Net Present Value)

We hereby undertake to pay the NET PRESENT VALUE for the forest land proposed for diversion under the work "Diversion of Forest Land for – Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana. as assessed and demanded by the concerned Forest Authorities.



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(2) UNDER TAKING

(To pay Addl. Cost of Net Present value (N P V))

We hereby undertake to bear the Additional cost towards Net Present value (NPV) as demanded by the Forest Department and undertake to pay the additional amount if any, due to escalation or any other charges etc., later as per demand raised by the Forest Department. We also undertake to deposit the said additional cost to the concerned Authorities of Forest department as advised, in-respect of the project- "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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(3) CERTIFICATE FOR BARE MINIMUM

This is to certify that the Forest Area of 1.1043 Ha proposed for diversion is the barest minimum for the work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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(4) UNDERTAKING

(To pay cost of Compensatory Afforestation)

We hereby undertake to bear the cost of Compensatory Afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.) on non-forestland offered for the purpose as demanded by the Forest Department and also undertake to pay the additional amount if any, due to escalation or any other changes in planting technique etc., at a later date as per the demand raised by the Forest Authorities.

We also undertake to deposit the said cost to the concerned Authorities of Forest Department as advised by the said authorities, in-respect of the work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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**(5) UNDERTAKING FOR UNQUALIFIED COMMITMENT
FROM PROJECT AUTHORITY
(To pay cost of exploitation of tree growth)**

We hereby undertake to pay the cost of exploitation /extraction of tree growth on the forestland proposed for diversion under the project as and when demanded by the forest authorities and undertakes to pay the additional amount if any due to escalation or any other charges at later date as per the demand raised by the Forest Authorities.

We also undertake to deposit the said cost of exploitation/extraction of trees in the manner that would be suggested by the concerned Forest Authorities, in-respect of the work "Diversion of Forest Land for Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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CERTIFICATE

This is to certify that the proposal does not affect any monument of historical,
Religious, Archeological or recreational importance.



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CERTIFICATE

This is certified that no work has been carried out so far in the Forest areas proposed for diversion for the work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana." , in violation of the provisions and amendments provided / Made under the F.C. Act, 1980.



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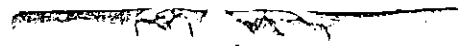
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CERTIFICATE

It is certified that all other alternatives for selection of non forest land for the work "Diversion of Forest Land for Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana." , have been explored and the only option is widening of the existing road which is passing through forest land. Hence, the diversion proposal for an extent of 1.1043 Ha is furnished, which is barest minimum for this project.



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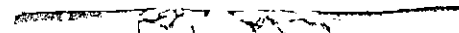
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UNDERTAKING
(C.A Land)

We hereby undertake to hand-over additional Compensatory Afforestation areas (Non-forest areas) if any due to deviations in surveys and demarcation found at later date as per the demand raised by the Forest authorities in respect of the work "Diversion of Forest Land for Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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UNDERTAKING

We hereby undertake to demarcate the proposed area on the ground at project cost using (04) feet height reinforced cement concrete pillars with serial numbers forward and back bearings including latitudes and longitudes and Distance from pillar to pillar after obtaining Stage-I approval from Government of India.



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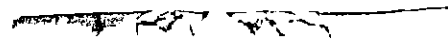
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UNDERTAKING

We hereby undertake that the work on non forest land will not be commenced w.r.t the work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana." until approval of the Central Government or any other competent authority is received under the Forest (Conservation) Act, 1980.



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UNDERTAKING

We hereby undertake that no labour camp will be established on the forest lands during the course of construction of the road work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana."



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UNDERTAKING

We hereby undertake that any other condition that the District Forest Officer / Central Government may impose during the course of construction the work "Rehabilitation and upgradation of Medak-Siddipet-Elkathruthy section of NH-765DG Two/Four Lane with paved shoulder (Approximate Length 133.00 kms) Package-II from Km 69.978 to Km 133.650 in the state of Telangana", from time to time for the protection of flora and fauna in the nearby forest areas, will be taken up at the project cost.



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