

Justification for locating the project in Forest Area

After examination of various alternatives and as per the hydraulic parameters, AMRSLBC tunnel scheme has been finalised in 1993. In this scheme, there are mainly four components. They are Tunnel-I, Tunnel-II, Dindi balancing Reservoir & Open canal. In the AMRSLBC tunnel scheme, Dindi balancing reservoir is one of the important component which is a vital link between two tunnels. Before finalising the alignment of tunnel scheme for balancing reservoir two alternatives were examined.

Alternative No.1: The feasibility of having a reservoir near Bollaram (V) was examined keeping in view of narrow gorge and good sheet rock exposed in river bed available at this site. But in view of huge dead storage of about 354 million cubic meter (12.50 TMC) and evaporation losses of 56.6 million cubic meters (2.0 TMC) that would be involved in such big reservoir of this type of huge cost. Besides having a large submergence area (about 7000 Ac) which including forest land (about 1000 Ac), due to this detailed investigation of this reservoir is not carried out hence the proposal was dropped.


Alternative No.2 The feasibility of a balancing reservoir near Mothia Thanda (V) has been selected as per the hydraulic parameters and keeping in view of availability of good sheet rock exposed in the riverbed and minimum length of dam. The dam is proposed abutting in between two hillocks on either side. The bed of rock stretching for a length of 400m is suitable for good foundation of the gravity dam with over flow section. In the downstream of the river, quite a long length of solid sheet rock is exposed having additional advantage. The submergence caused due to impounding water is very much less (about 3735 Ac) which includes 696.649 Ac (281,9302 Ha) forest land. The capacity of the reservoir is 7.64 T.M.C. the submergence area of these reservoir is less than the alternative-1. As less forest area is required for diversion thereby minimising the adverse effect on flora & fauna. Hence alternative -2 proposal was finalised.

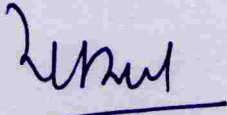
The alignment of AMRSLBC tunnel scheme was finalised as per the recommendations of the constituted committee formed by the Government of Andhra Pradesh vide G.O.Rt.No.211, EFES&T(ENV) Department dated 18.8.1991 to take up the study of ecological and Environmental impact and to suggest measures to avoid adverse effect. As per the recommendations of the committee, alignments of AMRSLBC tunnel scheme is fixed considering the ecological and environmental aspects. The existing AMRSLBC tunnel scheme is already granted permission for survey and execution of SLBC underground tunnels through the forest area from Ministry of Environment and Forest of government of India vide letter No 8-73/93FC dated 21.04.94 under section 2 of Forest conservation Act 1980. Further the environmental clearance was obtained vide letter No.j.1106.13/85-1A-1 dated 22.04.1994 from the Ministry of Environment and Forest, Government of India. As the tunnels are passing underground at a depth of 27Mts to 400 Mts below the surface of Nagarjunasagar -Srisalam Wild life sanctuary, the Chief wild life warden of Andhra Pradesh state had issued No objection Certificate on 26-10-1993. Based on the NOC issued by the Chief Wild life warden, the project proponent had moved to the Hon'ble Supreme Court of India in I.A.NO 2059 in W.P.(C) NO 202/1995. The Hon'ble Supreme court vide its order dated 24-10-2008 cleared the project subject to fulfilling of certain conditions laid down there in. All the conditions have been complied with. Accordingly, the execution of Tunnel-I and Tunnel-II in the

AMRSLBC tunnel scheme is under brisk progress and 70% of work is completed. Proposed Dindi balancing reservoir is one of the component of AMRSLBC scheme which is a vital link between these two tunnels.

The alignment of tunnels are fixed as per the hydraulic parameters and environmental aspects. There is no alternative site except forming the balancing Reservoir at Mothia Thanda. As the tunnel work is not completed, diversion of roads falling under submergence of Balancing Reservoir were not taken up so far and as such present proposals are submitted for diversion of forest lands and Wild life habitat in taking up construction of the balancing reservoir in the circumstance enumerated above, as alignment of tunnels has been finalised long back, there is no alternative alignment for the balancing reservoir except the one proposed.


Executive Engineer, I & CAD
AMRSLBCP Division No.3
Angadipeta, Nalgonda District.


Superintending Engineer, I & CAD
AMR SLBC Project Circle
G.V. Gudem, Nalgonda District.


Chief Engineer
(NSP & AMRSLBC Project)
HYDERABAD.