

**Report accompanying the forest proposals of AMRSLBC Project-
Construction of Dindi balancing Reservoir of AMRSLBC Project Tunnel scheme across Dindi
river near Mothia thanda, Teldevarapally (V), Chandampet (M), Nalgonda District.**

Introduction:

The upland areas of Nalgonda and Nagarkurnool Districts (erstwhile Mahaboobnagar Districts) are in an endemically drought prone belt which are in imperative need of water for meeting their irrigation requirement. Besides, large areas are in the grip of fluorosis, a shattering disease caused by high Fluoride content in water and hence the urgent need of these areas is wholesome drinking water. The only source of water to which the people of this area wishfully look to is the Krishna River, the water of which can be brought to their land either by gravity from the Srisailem Reservoir or by pumping from Nagarjuna Sagar Reservoir. The Cultivable areas of Nalgonda District are about 27.69 lakh acres, major portion of which is rain fed. The rainfall is scanty. The area having irrigation facilities is merely 12.77 lakhs acres. This leaves to big chunk of area without irrigation facilities. Considering the irrigation need of a large area in these districts, SLBC Tunnel scheme is proposed to irrigate the lands of Nalgonda and Nagar Kurnool districts. The SLBC Tunnel scheme would not only give a boost up to agricultural production, but would also give a fillip to the industrial sector and would bring about a rapid improvement in the socio- economic lift of the people in these areas. The total population that may benefit from this scheme is 7.60 lakhs and the employment generation will be about 3.60 lakhs man days by the way of engaging farmers and agricultural labour.

DESCRIPTION OF WORK:

Srisailem Left Bank Canal was contemplated during 1983 to provide Irrigation facilities in the drought prone areas of Nalgonda and Nagarkurnool Districts for 3 lakh Acres (I.D) besides supplying drinking water to Nalgonda town and fluoride affected villages en route. This scheme has two alternates.

1. Gravity scheme from Srisailem Reservoir.
2. Lift Scheme from foreshore of Nagarjuna Sagar Reservoir.

The Project Report was prepared for an amount of Rs. 480 Crores (1983-1984 SSR) for construction of tunnel Scheme. The Government during April 1995 decided to take up lift scheme from fore shore of Nagarjuna Sagar Reservoir to give early benefits vide G.O. Ms No.55, I&CAD, Department, Dt.17.4.1995 as tunnel scheme would require 7 to 8 years for completion.

Accordingly, Srisailem Left Bank Canal Lift Scheme was taken up from foreshore of Nagarjuna Sagar Reservoir. All Head works and main canal were completed. The Distributory system is completed.

The Government has decided to take up tunnel as a permanent solution to SLBC and accorded Administrative Approval for an amount of Rs.2813 Crores vide G.O. Ms No.147, I&CAD (Major Irrigation III), Department Dt.11.8.2005 for SLBC tunnel scheme. The components of the tunnel scheme are as follows.

1. Tunnel-I for a length of 43.5 Km with 9.20 m dia crossing the Amrabad plateau with a maximum cover of about 500 m which opens in to Dindi valley. (Obtained Permission from Ministry of Environment & Forests government of India vide letter no: 8-73/93-FC dated 21.04.1994. & Provided an amount of Rs.55.00 Crores for rehabilitation of villages situated in core area and got WL clearance from Hon'ble supreme court accordingly I. A.NO. 2059.)
2. Dindi Balancing Reservoir is proposed to construct with a gross capacity of 7.64 TMC in between two Tunnels across Dindi River. Which is now proposed in the present proposals.
3. Tunnel-II for a length of 7.121 km with 8.758 m dia crossing the hill range between Dindi valley and Peddavagu valley. (Obtained Permission from Ministry of Environment & Forests government of India vide letter no: 8-73/93-FC dated 21.04.1994. & Provided an amount of Rs.55.00 Crores for rehabilitation of villages situated in core area and got WL clearance from Hon'ble supreme court accordingly I. A.NO. 2059.)
4. Open channel from exit portal of Tunnel-II from a length of 25 Km to join the common point of AMRP main canal. (No Forest land is involved hence Diversion of Forest land does not arise)

AMRSLBC scheme got an Environmental clearance vide No j.11016/13/85-IA. I dated 22-4-1994 from Ministry of Environmental & Forests, Government of India, New Delhi.

Investigation, design and execution of Tunnel-I and Tunnel-II including Head Regulator at the entrance portal of Tunnel-I was awarded under EPC system and the work is in brisk progress.

Dindi Balancing Reservoir is one of the important components of the AMR SLBC Project Tunnel Scheme and also forms a vital link between two tunnels of the scheme connecting the Two tunnels. The site of Balancing Reservoir has been selected near the Mothia Thanda Hamlet of Teldeverapally(V) of Chandampet Mandal, Nalgonda District, Unless the proposed Dindi Balancing Reservoir is executed, the Tunnel scheme will not come in to functional.

A provision of Rs. 243.00 Crores is available in the Administrative approval for investigation, design and execution of Dindi Balancing Reservoir including cost of Land acquisition and Rehabilitation and Resettlement.

Impact of above proposed Reservoir.

There are 3 Thandas which are coming under submergence in FRL contour (+245.000m) of Dindi Balancing Reservoir. (These thandas are located outside the reserved forest area)

Details of Displacement families as per preliminary Survey (Total 629 Families)

S.No	Village	Mandal	District	No of Displacement families
1	Nakkalagandi thanda H/o Teldevarapally	Chandampet	Nalgonda	113
2	Keshya thanda H/o Mannevaripally	Achampet	Nagarkurnool	231
3	Marlapadu thanda H/o Mannavaripally	Achampet	Nagarkurnool	285

The proposals for the above mentioned R&R centres were submitted to the government in the year 2012. The Government vide G.O. M.S No.43 dated 10-02-2015 have declared Nakkalagandi Thanda H/o Teldevarapally (v), Nalgonda district, as affected zone and ordered for implementation of R&R to the eligible PAF's/PDF's. The proposals for Keshya Thanda and Marlapadu Thanda, both H/o Mannevaripally (v), Mahbubnagar district are under Process in the government. The Total No of Families effected above thandas are 629.

In the construction of Dindi Balancing reservoir in between Tunnel-I and Tunnel -II of SLBC Tunnel Scheme, the existing Link Roads from Devarakonda road to kambalapally (Nalgonda district) and Achampet to Bakkalingalapally (Nagar kurnol district) are going to be submerged under Dindi Balancing Reservoir at FRL (+245.00M). The roads from Devarakonda Road to Kambalapally (V) under Nalgonda district is going to be submerged between the Korutla "X" Road to Teldevarapally (V). The total length of submerged road is about 6.00 Km and the existing road from Achampeta (V) to Bakkalingalapally (V) under Nagarkurnool district is going to submerged between the Mannevaripally (V) and Ghanpur (V). The total length of submerged road is about 5.00 Km. Hence, it has become compulsory to propose the new alternative roads through forest land connecting the villages which would be disconnected because of construction of Dindi balancing Reservoir of SLBC tunnel scheme.

The above roads are proposed for diversion above FRL at **+247.100m above the FRL +245.00m**. The new proposed alternative alignment of roads passes through both forest and non-forest area. The width of the proposed road including Right of way in forest and Non -forest area is considered as 20M. The proposed road passes through Nalgonda District covering non-forest land to a length of 3.0 km and through forest land to a length of 5.00 km

(total forest area 10.00 Ha) and is Nagarkurnool District covering non-forest land to a length of 4.70 Km and through forest land to a length of 3.15 km (total forest area 6.30 Ha).

Mandals Benefited

Deverakonda, Nalgonda, P.A.Palli, Gurrapode, Nampally, Nidamanoor, Chandampet, Peddavura, Anamula, Kanagal, Nakrekal, chandur, Monugode, Tipparthi, vemulapally, Miryalaguda, Tripuram, Kethapally, Suryapet, Mothie, Kattangur, Achampet, Ghanpur and Drinking water for Hyderabad.

Project Cost Estimate: Rs.2813.00 Crores as per administration approval.

Status of Works:

- Land acquisition is in progress.

Environmental & Forest Aspects:

Environmental clearance obtained vide No j.11016/13/85-IA. I dated 22-4-1994. From Ministry of Environmental & Forests, Government of India, New Delhi.

Forest clearance under process.

Land required for the Entire Project:

Requirement of Non-Forest Land:

Type of Land	Area Ha
Non- Forest land	439.1802
Non Forest Land falling the Eco-Sensitive Zone of ATR	790.0951
Total	1229.2753

Division-wise requirement of forest lands:

S.No	Name of the District	Name of the forest Division	Name of the Reserve Forest	Extent of area falling in Core Area of ATR in Ha	Extent of area falling in Buffer Area of ATR in Ha	Extent of area falling in ESZ of ATR (in Ha)	Total Extent of Area (in Ha)
1	2	3	4	5	6	7	8
1	Nalgonda	Nagarjuna Sagar WL	Nidgul	200.2062	0	51.7436	251.9498
2	Nagar Kurnool	Achampet	Ghanpur	0	23.0432	6.9372	29.9804

TOTAL:	200.2062	23.0432	58.6808	281.9302
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Purpose wise Land requirement of forest lands:

S.No	Name of the District	Name of the forest Division	Name of the Reserve Forest	Extent of Area (in Ha)	Extent of area falling in Core Area of ATR (in Ha)		Extent of area falling in Buffer Area of ATR (in Ha)		Extent of area falling in ESZ of ATR (in Ha)	
					For Submergence	For Roads	For Submergence	For Roads	For Submergence	For Roads
1	2	3	4	5	6a	6b	7a	7b	8a	8b
1	Nalgonda	Nagarjuna Sagar WL	Nidgul	251.9498	193.8587	6.3475	0	0	48.0835	3.6601
2	Nagar Kurnool	Achampet	Ghanpur	29.9804	0	0	17.4152	5.628	6.2606	0.6767
TOTAL :				281.9302	200.2062		23.0432		58.6808	

Area Proposed in Core Area of ATR

Nagarjuna Sagar Division : 200.2602 Ha

Achampet Division : 0.0000 Ha

Total : 200.6042 Ha**Area Proposed in Buffer Area of ATR**

Nagarjuna Sagar Division : 0.0000 Ha


Achampet Division : 23.0432 Ha

Total : 23.0432 Ha**Area Proposed in ESZ of ATR**

Nagarjuna Sagar Division : 6.9373 Ha

Achampet Division : 51.7436 Ha

Total : 58.6808 Ha**Area Proposed in ESZ of ATR outside the forest: 790.0951 Ha**


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