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GURU NANAK INSTITUTE OF TECHNOLOGY

City Office: B2, 2nd Flr, Above Bata, Vikrampuri Colony, Karkhana Road, Secunderabad-50009, Telangana, India.
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Campus: Ibrahimpatnam, R.R. District, Hyderabad-501506, Telangana, India. Ph: (0/95) 8414-20 21 20/21

Date:10-07-2019

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

The Department of civil engineering is organizing a one day seminar on 'seminar on mission bhagiratha and kaleshwaram project' on 13th JULY, 2019.

In this connection I request you to circulate this among Teaching Staff of your department.

PRINCIPAL

HOD-CIVIL



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Date: 15-july-2019

Report of Seminar

On

KALESHWARAM PROJECT

Date of seminar 13-july-2019

Name of the expert: M.A.Azim

As a part of academic activities a seminar was conducted on the kaleshwaram project with a expert working in as a assistant executive engineer in kaleshwaram project



Originally DR.B.R. Ambedkar Pranahita- Chevella Sujala S ravanthi project was proposed to utilize 160 TMC of allocated water of Godavari basin as per GWDT award. A barrage was prop osed at Tummidihetti(V) to divert 160 TMC of water to irrigate 16.40 lakh Ac in 7 districts of Telangana State viz., Adilabad, Nizamabad, Karimnagar, Medak, Warangal, Nalgonda & Rangareddy , besides drinking water & industrial water.

The project contemplated to provide Irrigation facilities for an ayacut of 16,40,000 Acres in drought prone areas in 7 Distric ts in Telangana State. Further, it also planned to provide 10 TMC of Drinking Water to the villages enroute, 30 TMC of Drinking Water to twin Cities of Hyderabad & Secunderabad and 16 TMC of water for Industrial use.

The entire project works are divided into 7 links & 28 packages. Agreements are concluded for all 28 Packages during 2007-08 & 2008-09.

Storage capacities:



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Further, the Central Water Commission, suggested to re-look into the integrated Storage Planning aspects of the project to match the demand and supply as the proposed capacities of storage reservoirs is insufficient for success of the project and stated that there is requirement of artificial reservoirs within and around the project area either by increasing the capacity of existing reservoirs or creating additional new reservoirs.

Actual Cost of the project

The actual cost of the project worked out to Rs.80190.46 Crores which is approved by the CWC and TAC.

1.

Sl. No.	Name of Item	Amount (Rs. in Crores)
1	Works	63352.00
2	Sub-Stations	2885.84
3	Land	6953.65
4	Resettlement & Rehabilitation	1464.34
5	Forest Land	741.52
6	Operation & Maintenance	661.08
7	Establishment charges @ 2%	1365.43
8	Tools & Plants and Recoveries	769.27
9	Miscellaneous	868.51
Total Direct Charges (1+2+3+4+5+6+7+8+9)		79061.64
10	Indirect charges (Capital value of land abatement)	359.55
11	(Audit & Account charges)	769.27
Total Indirect Charges (10+11)		1128.82
GRAND TOTAL		80190.46



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Project Benefits:

1. Kaleshwaram Lift Irrigation Scheme of Telangana is one of the world's biggest irrigation project that is set to end water woes of the state where many regions are parched. This project aims at an ambitious target of diverting 195 TMC of water to the backward areas in the state of Telangana. The project envisages the following:
 2. Diversion of 195 TMC of Godavari water to Sripada Rao Yellampally project and subsequently to Mid Manair Reservoir by lifting it to the lands on higher contour which is found to be economically viable, to bring large extents of lands in the basin under irrigation.
3. To Create an additional ayacut of about 18.25 lakhs acres in Adilabad, Karimnagar, Medak, Nalgonda, Nizamabad and Ranga Reddy districts including 40 TMC of drinking water to several towns and cities of the state, especially the most important twin cities of Hyderabad and Secunderabad and en route villages and 16 TMC of water for Industrial use and 18.82 Lakh acres of stabilization ayacut.
4. To stabilize shortfalls in planned utilization, under SRSP Stage-I & Stage-II, Flood Flow Canal, Singur project and Nizam Sagar project.
5. To restore the ground water level to its original state by the way of shifting from usage of groundwater for irrigation to usage of surface water and conjunctive use of groundwater for the same.





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