

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL, AT CHENNAI

O.A No.56 of 2023 (SZ)

BADDAM BHASKAR REDDY & ORS

.... Applicants

-Vs-

UNION OF INDIA & ORS

.... Respondents

INDEX

S1. No	PARTICULARS	Pg.No
1.	Counter Affidavit filed by the R-3	1-23
2.	Annexure A1: 64 th TAC committee report approved by CWC	24-61
3.	Annexure A2: True copy of the Environmental Clearance Flood flow canal project	62-65
4.	Annexure A3: Forest clearance of Flood flow canal project	66-67
5.	Annexure A4: R&R clearance for Flood flow canal project	68-71
6.	Annexure A5: Investment clearance	72-73
7.	Annexure A6: G.O.Ms.No:6 Revenue [DM.II] Department, Dated: 24. 11. 2015.	74-82
8.	Annexure A7: G.O.Rt.No.533, I&CAD (Projects-IV) Dept., Dt: 26.05.2017	83-84



Mr.A.Sanjeev Kumar
Special Government Pleader – R-3



Mrs.H.Yasmeen Ali

Counsel for the State of Telangana – R-3

DATE : 23.05.2023
PLACE: Hyderabad

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL (SZ)
AT CHENNAI
O.A No.56 OF 2023

1. BADDAM BHASKER REDDY

2-16 ,Gudatpally village,
 r/o Gouravelli
 Old Dist: Karimnagar,
 New Dist: Siddipet,
 and 3 others

.... Applicants

-Vs-

1. Union of India Rep. by its Secretary,
 Union Ministry of Environment, Forest & CC
 Indira Paryavaran Bhavan Jorbagh,
 New Delhi-110003.

2. Union of India,
 Rep. by its Secretary,
 Union Ministry of Jai Sakti Sramasakti Bhavan,
 New Delhi-110001.

3 .Irrigation & CAD Department, Telangana
 Rep. by its Special Chief Secretary J-Block,
 6th Floor, Room No :-623, Secretariat Road,
 Opp. BRKR Building,
 Hyderabad,
 Telangana 500 022.

4. Central Water Commission (CWC) ,
 Rep. by its Chairman,
 Sewa Bhavan, R.K. Puram, New Delhi — 110606.

5. Godavari River Management Board,
 Rep. by its Member Secretary,
 Government of India,
 Ministry of Water Resources 5th Floor,
 Jalasoudha, ErrumManzil,
 Hyderabad, Telangana-500082.


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 I & CAD Department,
 Telangana Secretariat, Hyderabad-500 022.

6. District Collector of Siddipet,
ICC Building, Kushal Nagar,
Hyderabad Road Siddipet,
Telangana-502103.

7. Engineer-in-Chief,
O/o. Engineer-in-Chief(A.W),
I & CAD Department,
Jalasoudha Building,
ErrumManzil,Jalasoudha,
First Floor, Hyderabad,
Telangana-500082.

8. Engineer-in-Chief (Projects), Irrigation,
LMD Colony, Kaimnagar,
Telangana-505527. Respondents

COUNTER AFFIDAVIT FILED BY THE 3rdRESPONDENT

I, Dr. Rajat Kumar, S/o Late Sri B.K.Sinha, aged about 59 years, Designation: Special Chief Secretary, I&CAD Department, Government of Telangana, Hyderabad do hereby solemnly and sincerely affirm and state on oath as follows:

1. I am the Special Chief Secretary to Government I & CAD Department, Government of Telangana, Hyderabad and I am authorized to depose on behalf of the 7thand the 8threspondent herein.
2. I have read the O.A. filed by the Applicants and deny all the material allegations made therein, except those that are specifically admitted hereunder.
3. At the outset, it is submitted that the petition filed by the complainants is Misconceived, not maintainable in law and on facts.

4. BACKGROUND OF THE PROJECT:

Flood Flow Canal (FFC) project as originally cleared in the 64th TAC of CWC envisaged irrigation facility to an area of 2.2 lakh acres in the drought prone areas of Telangana region duly diverting about 20 TMC of surplus water


DEPONENT

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from Sriramasagar project during floods. The DPR approved by CWC in 1996 envisaged formation of 3 No's (Three) reservoirs namely (i) Combined Storage Reservoir-I across Peddavagu II and Korutlavaagu near Konaraopet (V), Karimnagar Dist with a storage capacity of 7.346 TMC to irrigate an ayacut of 32,000 Acres. (ii) Mid Manair Reservoir with a storage capacity of 25.873 TMC to irrigate an ayacut of 68,000 Acres. (iii) Gouravelly Reservoir with storage capacity of 1.095 TMC to irrigate an ayacut of 1,20,000 Acres was proposed. The total storage capacity under these three Reservoirs was proposed as 34.314 TMC. The approved water utilization is as below:

Surface water utilization

Annual irrigation utilization - 11.853 TMC

Drinking water supply - 0.129 TMC

Average Annual Evaporation losses - 8.00 TMC

Sub Total - 19.982 TMC

Ground water utilization 1.350 TMC

Grand Total - **21.332 TMC**

Further from the above required quantity of 21.332 TMC of water, the then Government of Andhra Pradesh awarded permission to divert and utilize 20.00 TMC of Godavari flood water according to the 64th TAC meeting in 1996. Later owing to huge protests and resistance from the local people against the construction of Combined Storage Reservoir-I across Peddavagu II and Korutlavaagu near Konaraopet (V), Kathalapur (M), Karimnagar Dist at Km 47.60 of FFC, the then Government of Andhra Pradesh vide G.O.Ms.No.209, dated: 17-11-1997 had bypassed the Combined Storage Reservoir-I across Peddavagu-II and Korutlavaagu.

The following clearances were obtained for Flood Flow Canal Project:



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- a. The Site clearance for investigation & survey was accorded vide Lr. No. J- 12011/26/2000-IA-I, Dt.24.06.2002.
- b. There is no forest land involved in the project. However forest clearances for canals and reservoirs was accorded vide Lr. Ref. No. 50907/99/F.1, Dt: 14-03-2000 & 14.09.2000 respectively.
- c. The Environmental clearance was accorded vide Lr. No.J- 12011/26/2000-IA-I, Dt.14.05.2003.
- d. The Rehabilitation and Resettlement clearance is received from the Govt. of India vide MOTA Lr. No.20011/4/2003- CP & R, Dt. 02-09-2004.
- e. The Planning Commission (water Resources Division) accepted for investment in the State Plan with an estimated cost of Rs 1331.30 crores vide Lr.No.2 (322)/03-WR Dt: 08.12.2005.

5. It is submitted that the Gouravelly Reservoir is a part of Flood Flow Canal Project and proposed at Gouravelly village in Akkannapet mandal (erstwhile Husnabad Mandal), Siddipet district (erstwhile Karimnagar dist.) with a gross storage capacity of 1.410 TMC to irrigate an ayacut of 1,20,000 Ac in Karimnagar and Warangal districts.

6. It is submitted that after formation of Telangana State, Government has taken up Re-engineering of Irrigation projects for effective utilization of water allocations made to the state. Under Re-Engineering of Indiramma Flood flow canal project, the capacity of the Gouravelly reservoir project is increased from 1.410 TMC to 8.230 TMC. The Government vide G.O.Rt.No.533, I&CAD (Projects-IV) Dept., Dt: 26.05.2017 has accorded Administrative approval for the Revised Estimate of the above work package-6 for an amount of Rs. 1196.06 Crores. About 85 % of the work is completed by January 2020.

7. It is fact that after bifurcation of Andhra Pradesh, the State of Telangana has envisaged re-engineering of the irrigation projects. However, no change in the scope of the projects has been made. Minor changes only to achieve the designed Irrigation potential and to overcome the



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hurdles like unworkable designs, land acquisition, submergence and passing of canal/pressure main alignments through forests etc.

GOURAVELLY RESERVOIR WAS PART OF ORIGINAL EC

8. It is submitted that Flood Flow Canal (FFC) project as originally cleared in the 64th TAC of CWC envisaged irrigation facility to an area of 2.2 lakh acres in the drought prone areas of Telangana region duly diverting about 20 TMC of surplus waters from Sriramasagar project during floods. The original DPR of FFC project prepared and approved consisted of Gouravelly Reservoir. To meet the objective of irrigating 2,20,000 acres under Flood Flow Canal Project from SRSP of duly utilizing 20 TMC of flood water of Godavari river, the excess flood as per the data available occurs once in every four years and the excess flood has to be captured and stored during such year. The storage facilities for storing such flood plays major role in harnessing and conserving flood water, hence it is evident that a maximum extent of such flood water can be harnessed provided with maximum storage facilities. If such storage is not available then it will not be possible to harness the excess flood to the maximum extent which defies the basic objective of the project. It is also appropriate to submit that this enhancement of storage capacity of the project finds significance in the light of "Water utilization & allocation" is major factor and has played predominant role in the formation of Telangana state.
9. It is submitted that the Sri Ramasagar project which was commissioned in the year 1964-69 with a designed capacity of 112 TMC. But due to heavy siltation, the effective storage capacity decreased to 90 TMC over the years therefore increasing the untapped flood water. This context provided an edge to have more storage capacity for tapping such flood.
10. Therefore, to compensate the storage lost due to dropping of Combined Storage Reservoir (7.346 TMC) near Konaraopet (V), the Government of Telangana has now proposed to increase the Gouravelly reservoir capacity from 1.409 TMC to 8.230 TMC. As the already proposed Gouravelly reservoir is bestowed with advantages such as (i)

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Geographical advantage of the site at which the reservoir was proposed, (ii) minimal submergence of lands for the increased storage capacity and (iii) minimum number of families displacement which are favorable for consideration for enhanced storage capacity made Gouravelly project.

11. It is submitted that the Government has been reviewing the seasonal conditions from time to time in the State during the South West Monsoon. The average rainfall in this region is recorded as less than the normal rainfall of 713.6 mm. In several mandals spread over the state have received deficit rainfall along with severe dry spells that have caused withering and drying up of crops that resulted in drastic yield reduction of several major rain fed crops. The Government of Telangana has declared the 19 mandals in erstwhile Karimnagar district and 11 mandals in erstwhile Warangal district Vide G.O.Ms.No:6 Revenue [DM.II] Department, Dated:24.11.2015, as drought affected mandals. Out of the declared mandals, the mandals Saidapur, Chigurumamidi, Koheda, Husnabad, Bheemadevarpalle of erstwhile Karimnagar district and RaghunathaPalle, Ghanpur Station, Dharmasagar, Zaffergadh of erstwhile Warangal district which comes under the jurisdiction of Gouravelly Reservoir ayacut.
12. It is submitted that even though the capacity of the Gouravelly reservoir is increased to 8.230 TMC, there is no change in the water utilization & the contemplated ayacut under the FFC project from SRSP as a whole. Moreover, there is no forest land involved in the submergence due to the increased capacity of the Gouravelly reservoir project and there are no notified ecologically sensitive areas, wild life ecosystems falling in the submergence earlier i.e, for 1.409 TMC capacity reservoir or now i.e., for the enhanced 8.23 TMC capacity.
13. It is submitted that the EIA and EMP studies were conducted within the radius of 10 kms from the project area at the time of granting Environmental Clearance. Even after enhancement of Gouravelli

lent of Gouravem

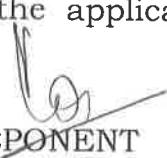
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Reservoir storage capacity to 8.23TMC, the submergence area is within the radius of EIA conducted previously.

REPLIES

14. It is contended in **Point No.1** in the application that the Applicants are residents of Gudatipally Village of Siddipet District. The Applicants are directly affected by the impugned project viz. Gouravelli Reservoir of 8.230 TMC, which has been re-started by the authorities without obtaining Prior Environmental Clearance under Item 1 (c), In Schedule of EIA Notification, 2006, In December 2022 has preferred the present Application.
15. It is submitted that the Petitioners who have filed the case in NGT were the oustees in the submergence of the Gouravelly reservoir project for 8.23 TMC and the compensation was already paid to them in all respects. The authorities are not carried out any expansion works of Gouravelly reservoir. The MoEF&CC, New Delhi has conducted the Expert Appraisal Committee (EAC) meeting on 15.06.2022, wherein it has been confirmed that "the project involves violation and the project will be apprised by the EAC as per the Standard operating procedure (SOP) for identification and handling of violation cases under EIA Notification, 2006 mentioned in OM, Dt: 07.07.2021. The EAC therefore, suggested the project proponent to submit the proposal afresh at PARIVESH portal for terms of reference under violation category." Obtaining of environmental clearance is under process.
16. It is contended in **Point No.2** in the application that, earlier, an Application In OA No. 180 of 2021 (SZ) was preferred before this Hon'ble National Green Tribunal, by few villagers, alleging that the State of Telangana had re-engineered the Indiramma Flood Flow Canal Project in Siddipet District of Telangana State, without obtaining Environmental Clearance and in violation of conditions already imposed, to change the scope of Flood Flow Canal and Gouravelli Reservoir by Increasing the capacity of canals and reservoir from 1.410 TMC to 8.230 TMC. Vide order dated 10.02.2022, this Hon'ble Tribunal was pleased to dispose the said Application with the following observations;

"...49. Under such circumstances, we feel that the application itself can be disposed as follows:-


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 Telangana Secretariat, Hyderabad-500 022.

(1)The contention of the contesting respondent, namely, State of Telangana, that the application is not maintainable and barred by limitations is rejected and we hold that the application is maintainable and within Limitation.

(2)Since the Ministry of Environment, Forests and Climate Change (MOEF&CC) has taken cognizance of the alleged violations said to have been committed by the State of Telangana and initiated proceedings under Section 5 the Environment (Protection) Act, 1986 by issuing show cause notice, we feel that there is no necessity (or this Tribunal to proceed with the matter and leave open the regulators to take appropriate action against the project proponent on the basis of the enquiry to be conducted by them which must also include revisiting on the question of environmental compensation considering the gravity of the violations committed, on account of the proceeding with the project by the project proponent and also the conduct of the project proponent both the present and past in respect of this project as well as other projects undertaken by them and violation of the EIA Notification, 2006, the nature of damage caused and cost of restoration required while assessing the environmental compensation and pass appropriate orders in accordance with law without much delay.

(3)Since Ministry of Environment, Forests and Climate Change (MoEF& CC) has come to the conclusion on the basis of the material collected by them that the present project requires further environmental clearance, the State of Telangana is restrained from proceeding with the project further till the proceedings Initiated by the Ministry of Environment, Forests and Climate Change (MOEF& CC) is completed.

(4)If the project proponent makes an application for including the change of scope and apply for Environmental Clearance (EC) the same should not be granted by way of an amendment for existing EC and the entire process will have to be reassessed afresh as has been observed by the Hon'ble Apex Court In (Key Stone Realtors Vs. Anil V. Tharthare(2020) 2 SCC 66.

(5)Ministry of Environment, Forests and Climate Change (MOEF& CC) is also at liberty to conduct further enquiry regarding the nature of damage caused and also the cost required for restoration of damage caused to the



DEPONENT

Special Chief Secretary to Government,
I & CAD Department,
Telangana Secretariat, Hyderabad-500 022.

environmental and reassess the compensation to be recovered from the State of Telangana.

(6)The Ministry of Environment, Forests and Climate Change (MOEF & CC) is directed to complete the process of the enquiry as early as possible at any rate within a period of four months and submit the further action taken report before this Tribunal after the expiry of four months has to be fixed by this Tribunal.

(7)As regards the remedy of the applicant regarding the non- availability of the benefits under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation & Resettlement Act, 2013 to approach the appropriate authorities are left open.

(8)If the Rehabilitation and Resettlement (R & R) is also part of the conditions of Environment Clearance (EC), then Ministry of Environment, Forests and Climate Change (MOEF & CC) are also at liberty to consider those violations and necessary directions can be given in accordance with law to comply with those conditions by the project proponent and take appropriate action if those conditions are not properly compiled with on the basis of the further direction issued by the Ministry of Environment, Forests and Climate Change (MOEF&CC) in this regard.

(9)Considering the circumstances, parties are directed to bear the respective cost.

(10)The office is directed to place the report submitted by Ministry of Environment, Forests and Climate Change (MOEF &CC) in this regard as and when it is received before this Bench for further consideration.

(11) The Registry is directed to communicate this order to the official respondents, including the Ministry Environment, Forests and Climate Change (MOEF & CC), of New Delhi, Integrated Regional Office, Ministry of Environment, Forests and Cl/mate Change (MOEF& CC), Hyderabad, Chief Secretary, State of Telangana and also Godavari River Management Board for their information and for compliance of the direction.

...50. With the above. observations and directions, the application is disposed of."



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Reply: The Form-1 of Terms of Reference(ToR) was submitted to MoEF&CC, New Delhi on PARIVESH portal. Subsequently, the MoEF&CC, New Delhi has conducted the Expert Appraisal Committee (EAC) meeting on 15.06.2022, wherein it has been confirmed that "the project involves violation and the project will be apprised by the EAC as per the Standard operating procedure (SOP) for identification and handling of violation cases under EIA Notification, 2006 mentioned in OM, Dt: 07.07.2021. The EAC therefore, suggested the project proponent to submit the proposal afresh at PARIVESH portal for terms of reference under violation category."

As the process of getting the Environmental Clearance for the Flood Flow Canal project from SRSP with expansion of Gouravelly Reservoir from 1.410 TMC to 8.23 TMC was in progress and till now 100% Land acquisition payments and 100% R&R payments were made to the oustees of Gouravelly project with a capacity of 8.230 TMC.

The Ministry of Environment, Forest and Climate Change (MoEF&CC) has not submitted the enquiry report before the Tribunal even after expiry of four months. This led to adjournment of case OA no 180/2021 from time to time. And the latest adjournment is on 26-05-2023 for consideration of compliance report.

17. It is contended in **Point No.3** in the application that, knowing well about the environmental damage that shall arise due to the project, where the impact is not assessed, the project proponent had re-started the construction activity without obtaining the Environmental clearance. Though the Applicants were not party to the above mentioned Application, the Applicants are one of the affected parties. The house of the Applicant are that located at the place where the water storage is to be made.

Reply: In the Gouravelly Reservoir project site, the Project Proponent has not carried out any expansion of work. The protection works such as weed removal, rectifying the rain gullies, chutes, Parapet walls and revetment are only carried out for the 85% of completed work. Environmental clearance is under process the houses of the applicants who were paid compensation in all respects will come under the reservoir submergence. Till now 85% of works are



DEPONENT

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I & CAD Department,
Telangana Secretariat, Hyderabad-500 022.

only completed. As the works are not completed, the houses will not submerge until the reservoir is filled with water. The contention of the applicants that the project proponent had re-started the construction activity without obtaining the Environmental clearance is incorrect.

18. It is contended in **Point No.4** in the application that, this Hon'ble Tribunal while disposing the OA 180 of 2021, had specifically ordered that, since the Ministry of Environment, Forest & Climate Change has concluded that the project requires further Environmental Clearance, the State of Telangana was restrained from proceeding with the project further, till the proceedings initiated by MoEF is completed. Further the Hon'ble Tribunal was also pleased to mention that if the project proponent makes any application for environmental clearance, the same should be reassessed afresh as observed by the Hon'ble Supreme Court in (2020) 2 SCC 66.

Reply: The MoEF&CC, New Delhi has conducted the Expert Appraisal Committee (EAC) meeting for the Indiramma Flood Flow Canal Project on 15.06.2022, wherein it has been confirmed that "the project involves violation and the project will be apprised by the EAC as per the Standard operating procedure (SOP) for identification and handling of violation cases under EIA Notification, 2006 mentioned in OM, Dt: 07.07.2021. The EAC therefore, suggested the project proponent to submit the proposal afresh at PARIVESH portal for terms of reference under violation category."

19. It is contended in **Point No.5** in the application that, vide environmental clearance dt: 14.05.2003, In proceedings F.No.J-12011/26/2000-IA-I, the Ministry of Environment and Forest had granted permission to the Government of Andhra Pradesh, Irrigation and CAD Department, for Flood Flow Canal Project from Sri Rama Sagar Project. The said project was to provide Irrigation facilities to the upland drought prone areas of Karimnagar, Warangal and Nalgonda Districts of Andhra Pradesh. The same was intended for Irrigation by gravity flow. The said lift Irrigation project was estimated at Rs.1331.30 Crores during 1992-93, But subsequently the State Level Standing Committee recommended the Government to increase the Gouravelli Reservoir capacity from 1.410 TMC to 8.230 TMC, Increasing the FRL from +390.00 M to



DEPONENT

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I & CAD Department,
Telangana Secretariat, Hyderabad-500 022

serve the drought prone areas of Husnabad Constituency and Ghanpur Constituency, thereby to irrigate the Ayacut under Gouravelli Reservoir. Hence, vide memo number 10131/projects/2015, dt. 04.01.2016, approved the same. Further the Government In G.O. Rt. No. 533, I & CAD (Projects IV) dept, dated 26.05.2017, had accorded administrative approval for revised "Formation of Gouravelli Reservoir" with enhanced capacity from 1.410 TMC to 8.230 TMC water including construction of H.C. Weir, L/s & R/s OT sluices, Formation of Diversion Road Including construction of DLR Bridges, Investigation, Designing and Estimation near Gouravelli (V), Akkannapeta (M), Suddipet District.

Reply: The Environmental Clearance for the IFFC Project from SRSP was accorded vide Lr.No. J-12011/26/2000-IA-I,Dt.14.05.2003 with Gouravelly Reservoir for 1.095TMC. The ayacut under Gouravelly reservoir is 1,20,000 Acres. After formation of Telangana state, the Government has reviewed the existing irrigation projects and as a part of effective utilization of water allocation and to compensate the storage lost due to dropping of combined Storage Reservoir-I (7.346 TMC) near Konaraopet (V), an alternative proposal of increasing the Gouravelly reservoir capacity from 1.409 TMC to 8.230 TMC has been proposed.

Further, the Government In G.O. Rt. No. 533, I & CAD (Projects IV) dept, dated 26.05.2017, had accorded administrative approval for Formation of Gouravelli Reservoir with enhanced capacity from 1.410 TMC to 8.230 TMC. The already proposed Gouravelly reservoir for 1.409 TMC capacity is bestowed with advantages such as (i) Geographical advantage of the site at which the reservoir was proposed, (ii) minimal submergence of lands for the increased storage capacity and (iii) minimum number of families displacement which fostered for the consideration of enhanced storage capacity for Gouravelly Reservoir (iv) rise in ground water table, drinking water for the surrounding villages and live stock and to supplement to the deleted storage capacity which favoured the consideration of enhanced storage capacity for Gouravelly Reservoir to 8.230TMC.


DEPONENT

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3. It is contended in **Point No.6** in the application that the "Gouravelli Reservoir" is proposed near the village of Gouravelly of S1ddipet District. The construction of the said reservoir would submerge four villages, viz., namely Gudatipally, Tenugupally, Maddelapally and Kothapally. Further the villages Gouravelly, Jangoan, Regonda, Nandaram, Ramavaram and Gandipally are partially to be submerged by the said project. The total population to be affected by this reservoir construction is about 2500. In addition to the above mentioned villages about 270 Irrigation wells and roads of 8 kms are to submerge. Though the administrative approval was sanctioned in the year 2017, till date It can be seen that resettlement of the villages have not taken place nor the study on impact on environment is done.

Reply: The villages coming under the submergence of Gouravelly reservoir for 8.23 TMC are as follows.

Name of Mandal	Name of Village	Nature of the habitation under submergence	
		Fully	Partially
Akkannapet	Gudatipally, Tenugupally, Maddelapally Kothapally	Fully (4 villages)	-
	Gouravelly, Jangoan, Regonda, Nandaram, Ramavaram Gandipally	-	Partially (6 Villages)


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 Telangana Secretariat, Hyderabad-500 022.

The Land Acquisition, Rehabilitation and Resettlement details are as follows. ↴

Description	1.410 TMC(Original Capacity)		8.23 TMC (enhanced capacity)	
	Required	Acquired	Required	Acquired
Land Acquisition (in Acres)	1814-00	1814-00 (100%)	2055-00	2055-00 (100%)
Structures in No's	687	687 (100%)	124	124 (100%)
R&R PDF in No's	937	937	185	185 (100%)

a. As per the Act, 100% of payment was made towards LA, R&R and Structures to all the PDF's coming under the submergence of 1.410 TMC till 2018. 100% of payment was also made to the oustees under the submergence of expanded project for 8.23 TMC. The Government of Telangana issued G.O Ms No 44 Dated 17-02-2023 for payment of R&R entitlements to the 185 PDF's in the submergence of expanded project for 8.23 TMC. Further it is to be submitted that the Government provided suitable land to an extent of Ac26-28gts in sy no 176 situated at ramavarm village of Akkannapet mandal has identified for construction of R&R colony made as R&R colony to 185 PDFs and community assets such as Anganwadi ,School Building, Play ground etc.

b. The R&R entitlements @ Rs7.50 Lakhs, 242 Sq. Yds plot and Rs 5.04 lakhs cash in lieu of 2 BHK House for each major PDF and R&R entitlements @ Rs5.04 Lakhs, 242 Sq. Yds plot for each 18+ age PDF's, Accordingly 100% payment was made to the oustees coming under expansion capacity 8.23TMC,

c. Further while taking the R&R Compensation the affected people had given consent that they will vacate the place and also they will not claim any further consideration in any court of Law. The oustees coming under 1.410TMC for which Environmental Clearance was already accorded are completely vacated till now and total compensation received in all respects. . In addition to R&R package, shifting and transportation charges were also paid as per the Act as additional benefit on humanitarian grounds.

The Applicants contention construction is being made without rehabilitation is not correct.

7. It is contended in **Point No.7** in the application that, the committee constituted by this Hon'ble National Green Tribunal In OA No. 180 of 2021 (SZ) had answered to the question, "Whether the project requires prior environmental clearance?", stating that changing the scope of project without approval of MOEF & CC attracts violation of EIA Notification 2006 and the State of Telangana had neither sought extension nor granted any further environmental clearance, which was necessary for taking up construction. Further, based on the same, this Hon'ble National Green Tribunal had disposed the said application directing the proponents to not further continue with the project without environmental clearance. And the MOEF &CC had also initiated action for imposing environmental damages for the violations done till then.

Reply: (i)The Joint committee constituted by the Hon'ble NGT opined that "the project proponent has obtained Environment Clearance for the Flood Flow Canal Project, Amendment from the MoEF&CC would have been obtained by the project proponent as the scope of the project changed. Therefore, changing the scope of the project without approval of the MoEF&CC attracts violation of EIA Notification 2006 duly suggesting to impose Environmental Compensation".

(ii) As per the judgment of NGT Dt: 10.02.2022, the MoEF, New Delhi has conducted the Expert Appraisal Committee (EAC) meeting on 15.06.2022, wherein it has been confirmed that the project involves violation and the project will be apprised by the EAC as per the Standard operating procedure



DEPONENT

Special Chief Secretary to Government
I & CAD Department,
Telangana Secretariat, Hyderabad-500 022.

(SOP) for identification and handling of violation cases under EIA Notification, 2006 mentioned in OM, Dt: 07.07.2021. The EAC therefore, suggested the project proponent to submit the proposal afresh at PARIVESH portal for terms of reference under violation category.

(iii). Accordingly, the Form-I of Terms of Reference (ToR) in respect of Flood Flow Canal (FFC) Project from Sri Ram Sagar Project (SRSP) with expansion of Gouravelly Reservoir project from 1.410 TMC to 8.23 TMC was submitted on 02-09-2022 to EAC, MoEF&CC at PARIVESH Portal. Due to technical problem in PARIVESH 1.0, uploading of Form 1 was delayed for 3 months.

(iv) Further, a message was received through EDS on PARIVESH portal from EAC on 07.09.2022 stating that "As per the provisions of the Gazette Notification SO 1886(E) Dated.20.04.02022 the all Irrigation projects having culturable command area more than 2000Ha are category-B project. Irrigation project involving Inter-state issues shall be appraised at Central level without change in category. General condition of the EIA Notification,2006 as amended shall apply. Please examine the proposal in light of the above provision and submit the application to the appropriate authority i.e., MoEFCC / SEIAA".

(v) It is submitted that based on the above message, the Proposals of Terms of Reference (ToR) in respect of Flood Flow Canal (FFC) Project from Sri Ram Sagar Project (SRSP) were resubmitted to SEIAA on 06- 12-2022 through PARIVESH Portal. Due to technical problem in PARIVESH 1.0, uploading of Form 1 was delayed for 3 months. Due to technical problem in creating new ID for the Project proponent in PARIVESH 2.0, uploading of Form 1 was delayed for another 3 months.

Subsequently, the State Expert Appraisal Committee (SEAC) has scheduled the Terms of Reference (ToR) meeting for the above work on 3rd January 2023.

(vi) During 210th meeting held on 03.01.2023, a presentation on the project was made before the SEAC at TSPCB, ParyavaranBhavan, Sanathnagar, Hyderabad. After detailed discussions, the committee has approved the Terms of Reference (ToR) , Agenda item No.5 in respect of "Indiramma Flood Flow Canal (FFC) Project from Sri Ram Sagar Project.


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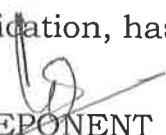
(vii) The Terms of Reference (ToR) for the project was approved by State Level Environment Impact Assessment Authority (SEIM), Hyderabad with public hearing for preparation of EIA & EMP Report as per standard ToR for three seasons. Accordingly the baseline data was collected for two seasons and Post Project Environmental Monitoring (PPEM) for the earlier EC is being carried out from May 2022.

(viii) Pursuant to Hon'ble National Green Tribunal judgement Dt. 10-02-2022, the Project authorities have not carried out expansion works of Gouravelly reservoir. Keeping in view of coming monsoon season The project proponent doing finishing works for earlier 85% completed work.

8) It is contended in **Point No.8** in the application that, the capacity of the Gouravelli Reservoir is seen expanded from 1.410 TMC to 8.230 TMC, which is seen expanded from the 2003 EC, and due to which the area of submergence would increase from about 769.25 Ha to 1566.8 Ha, with an Increase in partially submerged villages to 6 from 2 and number of PDFs Increase to 1154 from 937. Only because of which the committee had also observed In the report that an amount of Rs. 2,05,31,250/- is calculated as environmental compensation.

Reply: Due to enhancement of capacity of Gouravelly reservoir from 1.41 TMC to 8.23 TMC, partially submerging villages are increased from 2 to 6 and accordingly the affected PDFs were also increased. The Joint committee constituted by the NGT, Chennai in its report has reported that the scope of the project has been changed without approval of MoEF&CC and for which the committee has proposed the Environmental Compensation of Rs.2,05,31,250/- for violation.

9) It is contended in **Point No.9** in the application that, though the Project Proponent had obtained an Environmental Clearance In the year 2003, for the flood flow canal project from Sri Rama Sagar Project, under the EIA Notification 1994, which is listed as Item No. 2, In the Schedule, the Proponent is trying to make use of the same and Increase size of the canals and reservoirs without any Prior Environmental Clearance under the EIA Notification, 2006. The Environmental Clearance issued under the 1994 EIA Notification, has a



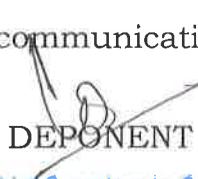
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particular condition in Part B (6), that in case of change in scope of the project, the project would require a fresh appraisal.

Reply: The Joint committee constituted by the NGT, Chennai in its report has reported that the scope of the project has been changed without approval of MoEF&CC and for which the committee has proposed the Environmental Compensation of Rs.2,05,31,250/- for violation. The NGT in the judgement Dt: 10.02.2022 has suggested the project proponent to submit the proposal afresh at PARIVESH portal for terms of reference(ToR) under violation category. For the fresh appraisal, preparation of EIA & EMP Report as per standard ToR for three seasons is under process.

10) It is contended in **Point No.10** in the application that, it is an admitted fact that the capacity of Gouravelli reservoir was expanded after the 2017 administrative approval, further the number of Villages to be affected by the same had also increased. While that being so the proponent had started the construction activity without the necessary prior Environmental Clearance under the 2006, notification, without assessing the impact on environment, including the families requiring the resettlement. Hence, being aggrieved by the same an Application was already preferred before this Hon'ble Tribunal In OA No. 180 of 2021. Being convinced that the activity of the proponent requires environmental clearance, this Hon'ble Tribunal was pleased to direct the authorities to proceed further only after obtaining environmental clearance. After the said order of this Hon'ble Tribunal it was noticed that the authorities did not proceed with the construction. To the shock and surprise of the Applicants herein it was noticed on 8th December, 2022 the authorities had resumed the construction. Hence, the villager through a representative, made RTI application seeking clarification on the same. The question that was put to the authorities was that, whether any Environmental clearance was Issued under the 2006 EIA Notification, with a particular mention on the enhancement from 1.4 to 8.23 TMC. But the authorities had smartly refused the answer the said question and had only sent copies of the old EC obtained under the 1994 EIA Notification, proving that no clearance was obtained for the enhanced capacity under the 2006Notification. The said communication is



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dated 10.04.2023. Though representations were made on 31.01.2023 and 04.01.2023 the authorities had not bothered to stop the construction, which affect the environment in large, and continuous to construct the reservoir and canal. The public living In the villages that are to be submerged are vast in numbers. The roads, normal flow channels are all closed and the villagers are put to serious threat of life. Till date no action is initiated against the illegal and violative activity of the project proponent, even when the same was brought to the knowledge through representations. Hence, Applicants files the present application seeking interference of this Hon'ble Tribunal for a direction to restrain the construction of the Impugned project, without prior Environmental Clearance, for the following among other grounds:

Reply: It is submitted that the villagers representing that the project works shall not be carried out without paying compensation for lands coming under enhanced capacity 8.23TMC and stop the works without obtaining the environmental clearance.

- a. As the process of getting the Environmental Clearance for the Flood Flow Canal project from SRSP with expansion of Gouravelly Reservoir from 1.410 TMC to 8.23 TMC was in progress and till now 100% Land acquisition payments and 100% R&R payments were made to the oustees of Gouravelly project with a capacity of 8.230 TMC.
- b. Recently the Government of Telangana have enhanced the land compensation of Rs,17 Lakhs per acre and issued the G.O Rt. No.65 Dt;06-03-2023, even though the applicants of this case have not come forward to take the compensation because they are constructed illegal structures and demand for further higher compensation hence for which the LAO authority has passed the General award as per Act 2013 without considering the structures.
- c. The villagers also represented that the Hon'ble National Green tribunal disposed the case with the certain observations and directions in which
 - (i) *(5)Ministry of Environment , Forest and climate Change (MOEF&CC) is also liberty to conduct further enquiry regarding the nature of damage caused and also the cost required for*

restoration of damage caused to environmental and reassess the compensation to be recovered from state of Telangana.

- (ii) (6).Ministry of Environment, Forest and Climate Change (MoEF&CC) is directed to complete the process of enquiry as early as possible at any rate within a period of four months and submit further action taken report before this Tribunal after expiry of four months has to be fixed by the Tribunal.
- d. However, Ministry of Environment, Forest and Climate Change (MoEF&CC) has not submitted the enquiry report before the Tribunal even after expiry of four months. This led to adjournment of case OA no 180/2021 from time to time. And the latest adjournment is on 26-05-2023 for consideration of compliance report.
- e. Till now the Government of Telangana spent an expenditure of Rs.393.55Crores for land and Rehabilitation and resettlement compensations to the oustees, and also Rs.494 Crores incurred on works in this project. Hence Applicants contention non consideration of representations is not correct.
- f. It is submitted that the Project proponent has carried out only protection and finishing works for the 85% of completed work. Keeping in view of the coming monsoon season the protection works have been carried out as not to occur further damages on earth bund.

11. ENVIRONMENT AND ECOLOGICAL ASPECTS OF THE GOURAVELLY RESERVOIR PROJECT FOR 8.23 TMC:

1. SOIL CONSERVATION MEASURES:

Plantation will be done in the project area as per the guidelines of the Forest Department after completion of the project. The total number of 41,000 saplings will be planted.

2. GROUND WATER:

According to the 2016-17 Ground Water departments' report the depletion of Ground water in the command area ranges from 10.0m bgl to 20.0m bgl. The quality of ground water is fit for drinking and irrigation.


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3. MINING OPERATIONS:

No mining operations are carried out both in the project area and catchment area.

4. INDUSTRIAL DEVELOPMENT IN THE PROJECT AREA: There are no major or medium Industries in the project area at present. In future there is a scope for aquaculture. There is large scope for Tourism development in this area.

5. WILD ANIMALS & BIRDS:

There are no wild animals and Bird sanctuaries in the project area.

6. ENDEMIC HEALTH PROBLEMS:

There will be no endemic health problems in the area of Gouravelly Reservoir due to water soil borne diseases.

7. WATER LOGGING:

The command area generally comes under upland area and it is having good natural slope generally well drained through local streams and vaagus. There is no problem of surface drainage.

12. BENEFITS DUE TO ENHANCEMENT OF GOURAVELLY RESERVOIR STORAGE CAPACITY:

1) The capacity of the Reservoir is increased to 8.23 TMC so as to store water in the Reservoir by diverting the flood water from SRSP which will be available for only few days during the floods. Before that, to supply water to the contemplated ayacut with the gross storage capacity of 1.410 TMC, it requires 12 fillings continuously through lift scheme, almost to a height of 123.90 m, in 120 days and if any technical defect arises in the lift system it will be toilsome to serve water for drinking and irrigation purpose until the restoration of the lift system. Now, with the enhanced capacity of 8.23 TMC in the Gouravelly reservoir, water will be supplied continuously for drinking & irrigation purposes with only 1.5 fillings through lift scheme during the restoration of the lift system, if any technical defect arises.



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2) As Husnabad is highly drought prone area, enhancement of Gouravelly Reservoir will cater the needs of drinking water of all the dwellings in and around Husnabad in addition to the contemplated ayacut.

3) This will serve the drinking water needs of the villages and also helps in raising ground water levels.

4) The total population benefited in command area mandals is 2,45,938 as against the total population affected in the catchment area of Gouravelly reservoir is 3060.

5) In future, there is a scope for Aquaculture and also a large scope for Tourism development in this area thereby increasing the opportunities of self-employment and livelihood.

6) Due to drought effect the numbers of people were migrated to urban areas for employment. This may reduce with the increase of Agriculture productivity and Aquaculture & Tourism development

7) The project was designed in the year 1992-93 and since then there is a substantial increase in the demography thereby causing agricultural stress in project ayacut area and also over exploitation of ground water for agricultural activities. The enhancement of storage capacity is likely to counter such circumstances

Moreover, the Thotapally lift irrigation scheme, which is the only source for drawing water into Gouravelly Project, has been commissioned and the trial run of the pumps has been successfully done.

Many farmers and public are representing the Irrigation Department to complete the project at the earliest and requested to release the water from Gouravelly Reservoir to serve their ayacut and for drinking water purpose.

Hence, it is prayed that this Hon'ble Tribunal may be pleased to dismiss the O.A. and accord permission for the continuation of Gouravelly Reservoir formation work to the capacity of 8.23 TMC in the matter of larger public interest.



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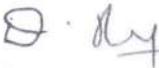


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Telangana Secretariat, Hyderabad-500 022.

Solemnly affirmed and the contents
of this affidavit at Telangana on this the
23rd day of May, 2023 and signed
his name in my presence

Before me,


D. Ravi (Dharamvath Ravi)
Advocate, Telangana TS/1816/2017

DHARAVATH RAVI

LL.B., LL.M.

ADVOCATE
Office: 3-12-28, Srinivasa Nagar Colony,
Mansoorabad, I.L.B.Nagar, Hyd-500 068.
Cell: 9182946879

VERIFICATION

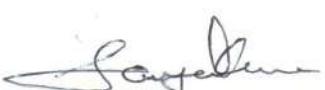
I, Dr. Rajat Kumar, S/o. Late Sri B.K.Sinha, aged about 59 years,
Designation: Special Chief Secretary, I & CAD Department, Government of
Telangana, Hyderabad, the 3rd respondent herein, do hereby verify and
declare that the contents stated in the above reply affidavit are true and correct
to the best of my knowledge and belief.

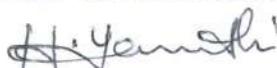

RESPONDENT NO.3

Special Chief Secretary to Government,
I & CAD Department,
Telangana Secretariat, Hyderabad-500 022.

Date: 23.05.2023

Place: Hyderabad


A. Sanjeev Kumar,
Special Government Pleader


H. Yasmeen Ali

Counsel for the State of Telangana

ANNEXURE I

T.S./TAC

ANNEXURE A1

(24)

(25)

FLOOD FLOW
CANAL PROJECT
OBSERVATIONS BY TAC

T.A.C

(1)

(25)

MOST IMMEDIATE
BY HAND

No. 16/27/96-PA(N)/409-434
 Government of India
 Central Water Commission
 Project Appraisal Organisation

Sewa Bhawan, R.K.Puram,
 New Delhi. Dt. 30/3/96.
FAX = 6875516

Subject: 84th Meeting of the Advisory Committee on Irrigation,
 Flood Control and Multipurpose Projects.

Reference: CWC No. 16/27/96-PA(N)/ Dt. 14/3/96.

In continuation to the letter under reference and subsequent
 letter of even no. dated 28/3/96 on the above mentioned subject,
 the following agenda notes are enclosed:-

Item No. I : Consideration of Projects by the Advisory
 Committee.

17. S1.No. of TAC Note:-	7/96-97
Name of Project	Flood Fly Canal from -SRSP (Major) Andhra Pradesh.

Encl. : Aa.


 (S.C. Chitkara)
 CHIEF ENGINEER (PAO) &
 MEMBER SECRETARY
 Tel. No. 803561

COPY TO (As per enclosed list):-

Members of Committee:

1. Chairman, CWC, Sewa Bhawan, R.K.Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
3. Secretary, Department of Power, S.S.Bhawan, New Delhi.
4. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
5. Secretary, Ministry of Welfare, Room No. 804, A-Wing, Shastri Bhawan, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Director General, ICAR, Kriishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R.K.Puram, New Delhi.
9. Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.
10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Financial Adviser, Ministry of Water Resources, S.S.Bhawan, New Delhi.

Special Invitees:

1. Member (D&R), CWC.
2. Member (WP&P), CWC.
3. Member (RH), CWC.
4. Principal Secretary, Irrigation & CAD Department, Government of Andhra Pradesh, Secretariat, Hyderabad (AP) - 500 022.
5. Commissioner (Projects), Ministry of Water Resources.
6. Commissioner (PP), Ministry of Water Resources.
7. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
8. Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
9. Chief Engineer (PPC), CWC.
10. Director, Project Appraisal (North), CWC.
11. Director, Project Appraisal (Central), CWC.
12. Director, Project Appraisal (South), CWC.
13. Director (EM), CWC.

Copy for information to:

1. PPS to Secretary, Ministry of Water Resources.
2. Chief Engineer, PHO, CWC.

distributaries and minors, water course and drainage on the basis of microtanning of the command to an extent of 10% of the total CCA.

4. Compliance of various technical comments as listed in para 11.2 of the TAC note, by the Govt. of A.P.

(Action : State Government,
Planning Commission)

Sl.No. 7/1996-97	: Flood Flow Canal Project from SRSP
CCA	: (High level Canal Project), Andhra Pradesh
Annual Irrigation	: 1,32,000 ha.
Estimated Cost	: 1,02,000 ha.
	: Rs. 1331.30 cr. (SOR 1992-93)

A brief discussion was held regarding B.C. Ratio of the project. The B.C. Ratio of the project comes to only 1.02. As the project benefits Nalgonda district which is a drought prone area, it was decided that project can be accepted for a B.C. Ratio lower than 1.5. The Advisory Committee decided to accept the project as techno-economically viable subject to the following conditions:-

1. The Govt. of A.P. shall obtain environmental clearance from Ministry of Environment & Forests, Govt. of India and Govt. of A.P. will submit a certificate that no forest land is involved in the project.
2. The Govt. of A.P. shall obtain clearance of R&R Plans from Ministry of Welfare, Govt. of India.
3. The Govt. of A.P. will obtain a certificate from State Agriculture Deptt. regarding rates of produce as Rs. 13,200 per ton for ground nut and Rs. 14,300 per ton for chillies at 1992-93 price level and furnish the same to CWC.
4. The Govt. of A.P. shall comply to the technical observation of CWC and other appraising agencies as mentioned in para 17 of the TAC note.

(Action : State Government,
Planning Commission)

The meeting ended with vote of thanks to the chair.

NOTE ON FLOOD FLOW CANAL PROJECT (HIGH LEVEL CANAL PROJECT) FROM SRIRAMA SAGAR RESERVOIR, ANDHRA PRADESH FOR CONSIDERATION OF ADVISORY COMMITTEE ON IRRIGATION, FLOOD CONTROL AND MULTIPURPOSE PROJECTS.

ESTIMATED COST RS. 1,331.30 CRORE (SOR 1992-93)

GCA 1.69 Lakh Ha.

CCA 1.32 Lakh Ha. ✓

Annual Irrigation (Kharif only) is proposed 1.02 Lakh Ha.

Intensity of Irrigation - 77%

1. INTRODUCTION:

The Flood Flow Canal Project, proposed by the State of Andhra Pradesh envisages diversion of balance surplus water available at Srirama Sagar Reservoir after meeting the requirement of Srirama Sagar Project Stage-I & II. The diversion of water from the said reservoir is proposed through a Head Regulator provided in its foreshore and a canal to store water in a balancing reservoir (Called Combined Reservoir-I) across Peddavagu-II and Korutlavagu streams from where three numbers of Irrigation Canals are offtaking to irrigate an area of 12,950 Ha. annually. Water is conveyed to another balancing Reservoir (Called Mid-Manair Reservoir) near Manwada village through a Link Canal. From Mid-Manair Reservoir two Gravity Canals are offtaking to provide an annual irrigation of 27,519 Ha. (68,000 Acres) annually while another Lift-cum-Gravity Canal is offtaking from this reservoir to pump water in stages to Gouravelli Reservoir from where water is conveyed through 2 numbers of Gravity Canals to irrigate further 48,563 Ha. (1,20,000 acres) annually of Drought Prone Area of Karimnagar, Warangal and Nalgonda districts.

contd. .p.2

2. PROJECT PROPOSALS:

The Project in question envisages construction of the following main components of works:

- i) Head Regulator at the foreshore of Srirama Sagar Project with 7 vents of size 5m x 5.20m. to draw a discharge of 436 Cumec from the Reservoir.
- ii) High level 44.375 Km long Canal with a carrying capacity of 436 Cumec from Srirama Sagar Project Reservoir to the proposed combined reservoir across Peddavagu-II and Korutlavagu near Konaraopet village.
- iii) Combined storage reservoir-I across Peddavagu-II and Korutlavagu Stream near Konaraopet village having gross and live storage capacities of 208.01 M.Cum. and 167.24 M.Cum. respectively.
- iv) Three irrigation gravity canals offtaking from the storage reservoir-I across Peddavagu-II and Korutlavagu near Konaraopet village of Karimnagar district to irrigate an area of 12,950 Ha. (32,000 Acres) annually.
- v) A 67.29 Km long Link Canal from combined reservoir-I upto Mid-Manair reservoir with discharge carrying capacity of 340 Cumec.
- vi) Mid-Manair Reservoir near Manwada village with a gross storage capacity of 732.6 M.Cum. (25.873 TMC) Up-stream of existing Lower Manair Dam.
- vii) Two irrigation gravity canals offtaking from the Mid-Manair Reservoir to irrigate an area of 27519 Ha. (68,000 Acres) annually.

contd..p.3

- viii) Lift-cum-Gravity canal with a discharging capacity of 16.28 Cumec from Mid-Manair Reservoir to feed Couravelli Service Reservoir with a lift of 96m in stages.
- ix) Couravelli Reservoir near Couravelli village with a gross storage capacity of 31 M.Cum. (1.09 TMC).
- x) Two Gravity Canals offtaking from Couravelli Reservoir to irrigate an area of 48,561 Ha. (1.20 Lakh acres) annually.

The salient features of the Project are indicated at Annexure-II. The project proposals are shown in the attached Index Map.

3. HYDROLOGY:

3.1 WATER AVAILABILITY:

The project is proposed to utilise the available surplus water at Srirama Sagar Project (SRSP) over and above the requirements under Stage-I and Stage-II of the Project to provide irrigation facilities to upland areas of Karimnagar, Warangal and Nalgonda Districts. The 75% dependable yield at Srirama Sagar Project is 5549.6 M.Cum. (196.1 TMC). Besides above, 351.1 M.Cum. (12.4 TMC) and 379.4 M.Cum. (13.4 TMC) of water is available at Lower Manair Reservoir and Kadelam Reservoir respectively. After meeting the requirements of Srirama Sagar Project Stage-I and II, sufficient waters are available to cater the irrigation requirements under the command of the proposed project. As the present proposals are formulated to utilise the waters allocated to Andhra Pradesh as per Godavari Water Dispute Tribunal Award, it will not affect upper riparian states and the lower riparian rights in Andhra Pradesh.

3.2 SEDIMENTATION:

No sedimentation studies have been carried out. However, project authorities have been advised to adopt sediment rate of 1.36 Acre ft/sq.mile/year as recommended by C.W.C.

contd..p.4

3.3 DESIGN FLOOD:

The Design Flood for the following reservoirs are given below:

- i) For combined Reservoir : 2483.93 Cumec (87,720 Cusecs), worked out by synthetic Hydrograph Method.
- ii) For Mid-Manair Reservoir : 7593 Cumec (2,68,147 Cusecs) worked out by Modified PULS Method.
- iii) For Gouravelli Reservoir : 357 Cumec (12,600 Cusecs) worked out by synthetic Hydrograph Method.

Further, the Project Authorities have been advised to get checked the appropriateness of the Design storm studies by I.M.D.

4. IRRIGATION PLANNING:

4.1 The C.C.A. of the Flood Flow Canal Project is 1,31,876 Ha. At present, the total irrigated area in the command is 14% which is fed by minor irrigation sources only while 86% of the command area is rainfed. The crops cultivated at present, are mostly Jawar and Maize.

The proposed cropping pattern under the command of the project in question is given below:

contd. .p.5

SL. NO.	PARTICULARS	GROUND NUT (IN Ha.)	CHILLIES (IN Ha.)	TOTAL AREA (IN Ha.)
A. SURFACE WATER (Kharif)				
1.	AYACUT UPTO MANAIR: RIVER CROSSING:			
a)	Under Combined Reservoir-I	12,950 (32,000 Acres)		12,950 (32,000 Acres)
b)	Under Mid-Manair Reservoir (Left Side Canal)		3,844 (9,500 Acres)	3,844 (9,500 Acres)
2.	BEYOND MID-MANAIR:			
a)	Under Right Side Canal		23,674 (58,500 Acres)	23,674 (58,500 Acres)
b)	Under Lift from Couravelli Reservoir	48,561 (1,20,000 Acres)		48,561 (1,20,000 Acres)
	SUB TOTAL	61,511 (1,52,000 Acres)	27,518 (68,000 Acres)	89,029 (2,20,000 Acres)
B.	GROUND WATER (Kharif)	12,648 (31,254 Acres)		12,648 (31,254 Acres)
	GRAND TOTAL	74,149 (1,83,254 Acres)	27,518 (68,000 Acres)	1,01,677 (2,51,254 Acres)
4.2	<u>WATER UTILISATION:</u>			
i)	<u>SURFACE WATER UTILISATION:</u>			
a)	Annual Irrigation utilisation	335.4 M.Cum		(11.853 TMC)
b)	Drinking water supply	3.7 M.Cum		(0.129 TMC)
c)	Average annual evaporation losses	226.4 M.Cum		(8.000 TMC)
	SUB TOTAL	565.5 M.Cum		(19.982 TMC)
ii)	<u>GROUND WATER UTILISATION</u>	38.2 M.Cum		(1.350 TMC)
	GRAND TOTAL	603.7 M.Cum		(21.332 TMC)

contd..p.6

5. DESIGN ASPECTS:

The design aspects have been examined and cleared by the specialised Directorates of Central Water Commission subject to observations which is required to be complied by the Project Authorities.

6. DRINKING WATER SUPPLY:

A token provision of 3.7 M.Cum (0.129 TMC) is provided for drinking water supply in addition to the existing facility of using Ground Water.

7. HYDRO POWER

There is no potential for development of Hydro Power in the Project.

8. IRRIGATION ASPECTS AND WATER REQUIREMENTS:

The irrigation aspects of the project are as follows:

(a) G.C.A.	1.69 Lakh Ha.
(b) C.C.A.	1.32 Lakh Ha.
(c) Proposed Irrigation:	
Kharif	1.02 Lakh Ha
Rabi	NIL
Two seasonal	NIL
Intensity of Irrigation	77%

Crop water requirements have been worked out on the basis of the Modified Penman Method. The existing cropping pattern, proposed cropping pattern and the crop water requirements are given at Annexure-III, IV and V respectively.

contd. p.7

Field application efficiency of 65% has been adopted for irrigated Dry Crops, while the conveyance efficiency has been taken as 70% for unlined canals. Thus, over-all efficiency adopted for design of unlined canals is 45.50%.

9. GROUND WATER ASPECT:

The State Ground Water Department of Andhra Pradesh has estimated the utilisable ground water potential as 105.9 M.Cum. (3.74 TMC). The State Government has proposed that by utilising 38.2 M.Cum. (1.35 TMC) of ground water in conjunction with surface water about 12, 648 Ha. Kharif ground nut can be grown.

10. DRAINAGE:

The Command Area generally comes under upland area and the rain-fall in the area is scanty and erratic. Thus, the ground water level is far below the surface. Further, since the command area has good natural slope and generally well drained through local streams and vagus, there is no problem of surface drainage. However, a provision of Rs. 267.09 Lakhs is made in the estimate for drainage purpose.

11. INTER STATE ASPECTS:

For the Srirama Sagar Project, the relevant decision of the Godavari water dispute tribunal relates to bilateral agreement concluded between the states of Maharashtra and Andhra Pradesh (October 1975) which inter alia stipulates that;

- (i) Maharashtra can use for their beneficial use, all the water upto Paithan Dam site on the Godavari and upto Siddheswar Dam on the Purna and Nizamsagar Dam site on the Godavari.
- (ii) Maharashtra can utilise water not exceeding 1698 M.Cum. (60 TMC) for new projects including any additional use over and above the present sanctioned or cleared utilisation as the case may be.

contd..p.8

(iii) Andhra Pradesh can go ahead with building its Srirama Sagar Project with FRL 332.537 M and MWL 333.246 M and is free to utilise all balance waters upto Srirama Sagar Dam site in any manner it chooses for its beneficial use.

As such, no interstate issue is involved and it is not necessary to obtain the concurrence of other states for the utilisation of remaining waters under the Flood Flow Canal Scheme after meeting the requirements of SRSP, Stage I and II, as there is no violation of CWDT award..

12. ENVIRONMENTAL AND FOREST ASPECTS:

As no Forest is coming under the submergence of reservoir or along the canal alignment, the clearance from Forest angle is not required. However, project Authorities are required to furnish a certificate to this effect from the State Forest Department.

The programme of implementation of environmental safeguards has not been submitted to the Ministry of Environment Forest, Government of India by the Project Authorities/Government of Andhra Pradesh till date. In this connection, the Project Authorities/Govt. of Andhra Pradesh are required to initiate action at their level to obtain the environmental clearance from Ministry of Environment and Forest at the earliest. Necessary provision of Rs.35.64 Crores under sub-head 'X-Environment and Ecology' has been made in the estimate.

13. REHABILITATION AND RESETTLEMENT ASPECTS

On account of the submergence, 17 villages are affected fully and 13 villages partly. The total population affected is 32,312 (8,373 families) out of which 6,227 belong to scheduled castes and 566 belong to Scheduled Tribes. A contd. .p.9

provision of Rs. 402.5 Lakhs has been made in the estimate towards Rehabilitation and Resettlement measures.

The Project Authorities/Government of Andhra Pradesh have not initiated any action so far for obtaining the clearance from R&R angle from the Ministry of Welfare, Government of India. As such, State Government is required to initiate action in this respect at the earliest.

14. COST ESTIMATE AND ECONOMIC VALUE:

Flood Flow Canal Project has been finalised for an estimated cost of Rs.1331.3 Crores (1992-93 Price Level). The abstract of the cost is given at Annexure VI.

The Benefit Cost Ratio (B.C. Ratio) is computed as 1.02 at 10% rate of interest and the relevant computations are given at Annexure-VII. The unit cost of the project works out to Rs.1,30,000/- per hectare of annual irrigation. The Financial Return at the end of 10 years after completion of the Project works out to (-) 0.013 and internal Rate of Return works out to 11%.

15. PHYSICAL AND FINANCIAL PROGRAMME

The Project Authorities have proposed to complete the project over a period of 7 years. The phasing of expenditure is as follows:

YEAR	PROPOSED EXPENDITURE IN RS. CRORES
1996-97	0.10 Crore
1997-98	190.00 Crore
1998-99	190.00 Crore
1999-2000	190.00 Crore
2000-2001	190.00 Crore
2001-2002	197.00 Crore
2002-2003	374.20 Crore
TOTAL	1331.3 Crores

contd. p.10

Completion Schedule/Physical Programme is required to be submitted by the Project Authorities.

16. PLAN PROVISION:

An outlay of Rs. 957 Crores have been made in IX Five Year Plan of the State of Andhra Pradesh for this project out of which out-lay for the annual plan for 1995-96 and 1996-97 have been made Rs. 2.15 Lakhs and Rs. 10 Lakhs respectively

17. TECHNO ECONOMIC APPRAISAL:

The Government of Andhra Pradesh submitted a detailed Project Report to Central Water Commission in December 1993 to provide an annual irrigation to 1.02 Lakh Ha. The Project Report has been examined in the various specialised Directorates of Central Water Commission and cleared by them subject to certain observations which are required to be complied by the Project Authorities.

Important observations of various appraising units are given below:

- i) For better functioning of spillway gates, it would be preferable to adopt uniform type of radial gates operated electrically for all spillways which may be considered by project authorities.
- ii) Provision for maintenance of service gates in head regulators like stoplogs/emergency gates with operating arrangement may be made.
- iii) Pump house No. 1 at RD 0 Km proposed in the middle of mid Manair reservoir is likely to get flooded when the water rises above + 305.0m. It is preferable that the first pump house is shifted to an ideal place above FRL (+ 318.0m).

contd. ,p.11

- iv) The project authorities may reduce the pumping stages from 15 proposed in the Draft Project Report to 3 or 4 by selecting multistage or centrifugal vertical turbine pumps in consultation with pumps suppliers.
- v) Further detailed investigation for foundation characterisation/testings for borrow area materials characterisation as suggested by Central Soil & Material Research Station may be carried out by project authorities.
- vi) Proper geological exploration needs to be done in consultation with G.S.I. to fix the foundation level of Combined Reservoir No.1.
- vii) Model studies may be carried out to study the scour condition downstream of spillway so as to ensure that there is no danger to the safety of the dam in Combined Reservoir I and Mid Manair.
- viii) In Mid Manair Reservoir, suggestion of geologist to shift the masonry dam upstream by about 30-50m may be considered.
- ix) Design of Non Over Flow section in Mid Manair Reservoir needs to be vetted by C.D.O. of State Government.
- x) The weir in Couravelli Reservoir may be designed as a barrage resting on weathered rock under geological controls could be obtained through further investigation such as deeper bore holes to determine the levels of hard rock.
- xi) It is suggested that the depth of Cut off Trench and foundation treatment , if required, may be based on detailed foundation investigations before taking up the detailed designs.

contd. .p.12

- xii) The detailed stability analysis may be based on actual shear parameters when the best results become available.
- xiii) The detailed soil survey in the command area have not been done. It is suggested that based on the results of soil surveys, the crop water planning for a demand of 11.98 TMC may be firmed up.
- xiv) Comments of CGWB may also be complied.
- xv) Appropriateness of design storm studies should be got check by IMD.

18. OUTSTANDING ISSUES:

- i) The State Government shall obtain clearances from the environmental angle from the Ministry of Environment and Forests, Government of India.
- ii) The State Government shall obtain clearances from the R&R angle from the Ministry of Welfare, Govt. of India.
- iii) The various pending observations of CWC on investigations, designs and other aspects may be complied before construction is taken up.
- iv) Project authorities shall obtain concurrence of State Finance Department.
- v) The benefit cost ratio has been worked based on the rate of produce as Rs.13,200/- per ton for groundnut and Rs.14,300/- per ton for Chillies at 1992-93 price level for which certificate from State Agriculture Department may be furnished by the Project Authorities.

contd. p.13

19. RECOMMENDATIONS:

The Project Report has been examined in C.W.C. for its broad technical and economic aspects for determining its feasibility. The examination is primarily based on the data of cropping pattern, crop water requirement, utilisation within the expected yield at dam site on the assumption that the data furnished are accurate and have been collected reliably after carrying out detailed investigations and field survey under the supervision of the competent personnel. The scrutiny of C.W.C. does not cover the examination of detailed design and working drawings of individual components of the works of the project in regard to their Structural, Hydraulic and Mechanical performances and safety which is presumed to be ensured by the project authorities at the time of execution.

The benefit cost ratio is working out to be 1.02 which is greater than 1.0, the recommended benefit cost ratio for drought prone areas.

The Project is placed before the TAC for its consideration for approval at an estimated cost of Rs. 1331.3 Crores (at 1992-93 price level) subject to resolution of the outstanding issues mentioned in para 18 above.

PROJECT NAME : FLOOD FLOW CANAL PROJECT
(HIGH LEVEL CANAL PROJECT)

A. GENERAL:

1. River Basin CODAVARI
2. Name of River CODAVARI

3. LOCATIONS:

Flow Canal From SRSP Reservoir	Combined Reservoir-I	Mid-Manair Reservoir	Gouravelli Reservoir
18°-55'-00"	18°-47'00"	18°-23'-34"	18°-04'-3"
78°-18'-00"	78°-40'-00"	78°-57'-43"	79°-10'-00"
Mupkal	Konaraopet	Mänwada	Gouravelli
Balkonda	Metpalli	Boinpalli	Husnabad
Nizamabad	Karimnagar	Karimnagar	Karimnagar

B. HYDROLOGY:

1. Catchment Area (Sq.Km) 91,751

2. 75% Dependable Annual Yield Divertable flow from TMC at Kaddam. 196.1 TMC at SRSP, 12.4 T,C at LMD and 13.4 Sri Rama Sagar Project)

3. Design Flood (in Cumecs):

Combined Reservoir-I	Mid-Manair Reservoir	Couravelli Reservoir
2483.93	7593.00	357.00

C. RESERVOIR DETAILS:

<u>C. RESERVOIR DETAILS:</u>	Peddavagu-II Korutlavagu Reservoir <hr/> (Combined Reservoir-I)	Mid-Manair Reservoir	Couravelli Reservoir
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1. Levels (m)

a. MWL	328.00	318.00	397.00
b. FRL	328.00	318.00	396.50
c. MDDL	320.40	307.30	390.15

2. Capacity (in M.Cum) at

a. FRL	208.01	732.60	31.00
b. MDDL	40.77	159.67	8.04
(3). Liver Storage (in M.Cum)	167.24	572.93	22.96

4. Average Annual Erosion Loss (M.Cum)

1. Type	EARTH DAM	EARTH DAM	EARTH DAM
2. Length (in m)	18,150	15,125	3,080
3. Top Width (in m)	6.00	6.00	6.00

E. DETAILS OF SPILLWAY:

1. Type	Ogee-I	Ogee-II	Ogee	Main Spillway	Subsidiaries Spillway	Side Channel
2. Length (in m)	57	72	201	300	170	
3. Crest Level (m)	322.00	322.00	309.00	396.50	396.50	
4. No. of Gates	4 Nos.	5 Nos	17 Nos.	-	-	
5. Size of Gates (m x m)	12x6	12x6	9x9	-	-	

F. DETAILS OF SUBMERGENCE:

PEDDAVAGU-II MID-MANAIR COURAVELLI
KORUTLAVAGU RESERVOIR RESERVOIR
RESERVOIR
(Combined
Reservoir)

1. Land Submerged (Ha.)

197

(43)

G. CANAL SYSTEMS:	HIGH LEVEL	LINK CANAL	LIFT-CUM GRAVITY CANAL
1. Length of Main Canal (Km)	44.375	67.29	63.64
2. Lined/Unlined	UNLINED	UNLINED	UNLINED
3. FSD (m)	6.50	4.50	2.50
4. Head Discharge (Cumecs)	436	340	16.28
5. Length of distributary system	-	-	-
6. CCA (Th ha)	-	-	-
H. IRRIGATION CANAL SYSTEM:	PEDDAVACU-II KORUTLAVAGU RESERVOIR	MIDOMANAIR RESERVOIR	COURAVELLI RESERVOIR
1. Length of main Canal (Km)	41	64.33	60.80
2. Lined/Unlined	UNLINED	UNLINED	UNLINED
3. FSD (m)	1.50	2.15	2.80
4. Head Discharge (Cumecs)	5.81	24.66	25.75
5. Length of Distributary system (Km)	-	-	-
6. CCA (Th ha)	- 132 - Total		
2. BENEFITS:			
1. CCA (Th. ha)	:	132.00	
2. Annual Irrigation (Th. ha)	:	102	
3. Intensity (%)	:	77%	
4. Power			
(a) Installed (MW)	:	NIL	
(b) Annual Generation (Units)	:		
5. Districts Benefitted:			
		(a) KARIM NAGAR	
		(b) WARANGAL	
		(c) NALCONDA	
J. WATER UTILISATION (M.Cum)			
1. Irrigation			
a. Surface Water	:	335.4	M.Cu
b. Ground Water	:	38.2	
2. Water Supply:			
a. Municipal	:	3.70	
b. Industrial	:	-	
3. Total (including evaporation)	:	603.7	

K. COST (Rs. Cr.)

1. Year of SOR	:	1992-93
2. Cost of :		
a. Irrigation	:	Rs.1,331.30 Crores
b. Power	:	Nil
c. Other	:	Nil
3. Total Cost	:	Rs.1,331.30
4. B.C. Ratio	:	1.02
5. IRR	:	11%

REVISED CHECK LISTPART-I DATA SHEET

1. a. Name of Project and State : Flood Flow Canal Project (High Level Canal Project) from Srirama Sagar Project, Andhra Pradesh.
(attach and Index Plan) (Index Map attached)

b. Is the Project included in the plan and what is the allocation for it ? Yes, IX Five Year Plan of State. As outlay of Rs.957 Crores have been made in IX Five Year Plan.

2. a. Total estimated cost of the project including credits/debits from connected projects and foreign exchange component. Estimate cost of the project is Rs.1331.3 Crores (at 1992-93 Price Level) No foreign exchange component is involved.

b. Yearly optimum phasing of : 1996-97 0.10 Crore
expenditure and foreign 1997-98 190.00 Crore
exchange (subject to reasonable 1998-99 190.00 Crore
equipment, personnel 1999-2000 190.00 Crore
and finance being available) 2000-2001 190.00 Crore
2001-2002 190.00 Crore
2002-2003 374.20 Crore
TOTAL: 1331.30 Crore

3. Salient features of the work: : Salient Features are enclosed at (Location, Length, Height and Annexure-I type of dam, gross and live storage, FRL, MWL length of canals, whether any lift involved)

Lift is involved.

4. Command Area (CCA, CCA etc. : C.C.A. 1.69 Lakh Ha.
(Hectares/Acres) C.C.A. 1.32 Lakh Ha.

5. Expected irrigation, power and other benefits : Annual Irrigation 1,01,677 Ha.
(Cropped area, in Hect/Acres) (2,51,254 Acres)
(77% Irrigation Intensity)

6. Cost per Hectare of Irrigation : Rs. 1,30,000/-
annual.

7. Benefit cost ratio with 10% rate of interest on capital outlay : 1.02

8. Financial Return:

a. Anticipated financial return;

1. At the end of 5 years : (-) 0.12%
after completion.

2. At the end of 10 years : (-) 0.10%
after completion.

3. On full development of irrigation : (-) 0.013%

b. If the project is 'unproductive, what are the special grounds for undertaking it? : Productive based on benefit cost ratio and IRR.

PART II - DESCRIPTIVE REPORT AND COMMENTS

A. WATER RESOURCES, ENGINEERING AND OTHER TECHNICAL ASPECTS:

i. Assumptions and data (give broad details of hydrology yields, utilisation etc.) : As per para 3 of TAC Note.

(28 / 47)

ii. Salient features of physical programme and its phasing. : Being prepared by Govt. of A.P.

iii. Does this project envisage inter-linking with other projects now or at a future date ? : Yes, the project is inter linked with SRSP Stage I and II Projects.

iv. Is the project self contained or does it envisage further stages of development ? If the latter, describe their scope, and relationship to the present project. : Yes

v. Has any curtailment or enhancement of the scheme been considered for greater advantages or economy and whether the scheme proposed will undergo any changes on that account ? : No

vi. Inter-State Aspects.

- Are there any inter-State interest or issues involved such as U/S and D/S utilisation, submergence etc. : Discussed in Para 11 of the TAC Note.
- If so, has the concurrence of other concerned States been obtained for implementation of the scheme with regard to questions such as sharing of project water cost benefits etc. : Does not arise.

(209)

(48)

vii. Are there any special features : Yes
peculiar to the project
in regard to planning and
design ?

B. COST ESTIMATE AND FOREIGN EXCHANGE:

i. Attach an abstract of cost : Attached as per Annexure-VI
ii. Does the cost include necessary: Yes, an amount of Rs.267.09 Lakh
provision of drainage ? If so, is provided towards drainage.
what is the amount provided.

iii. Has the specific concurrence : No
of the State Finance Depart-
ment been obtained for taking
up the project.

C. WATER UTILISATION :

i. Drainage aspects : As stated under Para 10 of TAC Note.
ii. Soil Conservation in the : Soil conservation in the catchment will
catchment, and command areas be covered under catchment area
treatment plan. CADA will take care of
soil conservation measures in the
command.
iii. Measures against salinity : No salinity problem is expected and
and alkanity hence no measures are proposed.
iv. Colonisation plans (if : Not required.
necessary)
v. Is there an ayacut develop- : L Yes
ment plan ?

(283
49)

vi. Are any minor irrigation projects proposed in the ayacut ? : No

vii. Measures for construction of field channels and water courses. : Provision for construction of field channels is made in the estimate.

D. BENEFITS:

i. Are the command area and the annual irrigation estimates reliable ? : Yes

ii. What are the existing and proposed cropping patterns ? : Stated under Para 4.1 of TAC Note

iii. What is the net additional agricultural produce expected. : 59,632 Tons

iv. Are the cropping patterns and estimates of benefit sound and reasonable ? Do they have the concurrence of State Agriculture Department. : Yes. Concurrence of State Agriculture Deptt. is to be obtained.

v. What is the benefit cost ratio at 10% interest charges ? (Attach calculations) : Attached at Annexure-VII.

vi. What is the phasing of expected benefits. : 10% in the 4th year
30% in 5th, 50% in 6th, 75% in 7th and 100% in 8th year.

E. REVENUE:

i. What are the rates of betterment levy proposed and the period for recovery; year of commencement and estimated yield ? : No betterment levy is proposed at present

ii. Are any charges proposed for irrigation facilities as distinct from water charges. ? : No

iii. Give the scale of water rates for the various crops. : Rs.40/- acre or Rs.100/Ha. for irrigated dry crops.

iv. How do the rate of betterment levy and water charges compare with that obtaining in other Projects in the region. Has the concurrence of State Revenue Department been obtained for these rates ?

Water charges are uniform throughout the State of Andhra Pradesh.

v. Give the phasing of revenues : Same as taken for benefits.

F. OUTSTANDING COMMENTS:

Give outstanding comments of the CWC Ministry of Agriculture and Irrigation and Ministry of Finance (if any).:

Discussed in para 18 of the TAC Note

(51)

(245)

ANNEXURE-III

PREPROJECT CROPPING PATTERN

1.	Paddy	21,820 Ha.
2.	Jawar	66,000 Ha.

PROPOSED CROPPING PATTERN

SI. No.	Particulars	Ground Nut in Acres	Chillies in Acres	Total in Acres
A. WITH SURFACE WATER (Kharif)				
1.	Ayacut upto Manair River Crossing:			
a)	Under Storage Reservoir-I Left Side Canal.	32,000 (12,950 Ha.)		32,000 (12,950 Ha.)
b)	Under Storage Reservoir-II Left Side Canal.		9,500 (3,844 Ha)	9,500 (3,844 Ha)
2.	Beyond Manair:			
a)	Under Storage Reservoir-II Right Side Gravity Canal		58,500 (23,674 Ha)	58,500 (23,674 Ha)
b)	Under Lift:			
i)	Couravalli Reservoir	1,20,000 (48,561 Ha)		1,20,000 (48,561 Ha)
		1,52,000 (61,511 Ha)	68,000 (27,518 Ha)	2,20,000 (89,029 Ha)
B. WITH GROUND WATER (Kharif)				
		12,648 (31,254 Acres)		12,648 (31,254 Acres)
	GRAND TOTAL	74,149 (1,83,254 Acres)	27,518 (68,000 Acres)	1,01,677 (2,51,254 Acres)

FLOOD FLOW CANAL PROJECT FROM SRIRAMA SAGAR
CROP WATER REQUIREMENT BY MODIFIED PENMAN METHOD PROP: CHILLIES

PERIOD : AUGUST TO NOVEMBER

SL. NO.	CROP DURATION	ET _O IN Cms	CROP FACTOR K _c	CONSUMP- TIVE USE (Cu) in Cm	PERCOLA- TION LOSSES Re (Cm) in P	EFFECTIVE RAINFALL Re (Cm)	FIR		C.I.R. 0.70 TMC 1 LAKH ACRE	REMARKS 0.68 LAKH ACRES
							ET _O IN Cms	C _u +P-N _R / R _C 0.65		
1.	Aug	01-10	4.70	0.30	1.41	Nil	1.160	0.25	0.38	0.05372
	11-20	4.70	0.30	1.41	0	0	1.160	0.25	0.38	0.06372
	21-31	5.17	0.30	1.55	0	0	1.270	0.28	0.43	0.06372
2.	Sept	01-10	4.70	0.60	2.82	0	2.310	0.51	0.78	0.1088
	11-20	4.70	0.60	2.82	0	0	2.310	0.51	0.78	0.1088
	21-30	4.70			0	0	2.310	0.51	0.78	0.1088
3.	Oct	01-10	5.20	0.95	4.94	0	1.37	3.57	4.87	0.7630
	11-20	5.20	0.95	4.94	0	0	1.37	3.57	5.49	0.7630
	21-31	5.72	0.95	5.43	0	0	1.50	3.93	6.05	0.8398
4.	Nov.	01-10	4.80	0.95	4.56	0	0.51	4.06	6.23	0.6850
	11-20	4.80	0.85	4.08	0	0	0.51	3.51	5.49	0.7630
	21-30	4.80	0.85	4.08	0	0	0.51	3.57	5.49	0.7630
									7.712	5.0644
										0560
										5.120 TMC

Add for drinking water provision

(53)

FLOOD FLOW CANAL PROJECT FROM SIBIRAMA SACAR

CROP WATER REQUIREMENT BY MODIFIED PENMAN METHOD CROP : CROUND NUT (UNLINED CANAL)
PERIOD : JUNE TO OCTOBER SIGNATURE : 

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Add 1% for drinking water provision

54

FLOOD FLOW CANAL FROM SRIRAMA SAGAR PROJECT

ABSTRACT OF COST

PRICE LEVEL : 1992-93.

(AMOUNT IN LAKHS)

SL. NO.	DETAILED HEAD	UNIT-I	UNIT-II	TOTAL
I. DIRECT CHARGES OF WORKS:				
SUB-HEAD:				
1.	A - Preliminary	939.72	188.16	1,127.88
2.	B - Land	14,209.90	765.92	14,975.82
3.	C - Works	34,790.28	35.20	34,825.48
4.	D - Regulators and measuring devices	-	47.47	47.47
5.	E - Falls (for canal only)	-	-	-
6.	F - Cross Drainage works (for canals only)	2,052.16	2,041.19	4,093.35
7.	G - Bridges (for canals only)	1,930.76	230.36	2,161.12
8.	H - Escapes	-	35.65	35.65
9.	I - Navigation works	-	-	-
10.	J - Power Plant Civil Works	-	-	-
11.	K - Buildings	2,202.06	338.00	2,540.06
12.	L - (For Canals only)			
	i. Earth works and	38,227.11	7,507.26	45,734.37
	ii. Lining	-	-	-
	iii. Service Road	-	-	-
	iv. Tunnel	-	-	-
13.	K - Plantation	191.79	126.29	318.08
14.	N - Tanks and Reservoirs	-	-	-
15.	O - Miscellaneous	2,664.00	774.76	3,438.76
16.	P - Maintenance (may be taken as 1% of the cost of I-works, less A-Preliminary, B-Land & Q.Spl. T&P.)	872.99	164.82	1,037.81

17. Q - Special T & P	334.00	72.74	406.74
18. R - Communications	1,634.82	587.50	2,222.32
19. S - Power Plant & Electrical System.	-	-	-
20. T - Water Supply Works	47.21	28.61	70.82
21. U - Distributaries, Minors and sub-minors	-	3,396.09	3,396.09 1,066.09
22. V - Water courses and field channels	-	1,066.09	1,066.09
23. W - Drainage	-	267.09	267.09
24. X - Environment & Ecology	3,564.00	-	3,564.00
25. Y - Losses on stock & unforeseen (Generally 0.25% of the cost of I-works less A-preliminary, B-Land & Q-Special T & P)	220.43	41.82	262.25
TOTAL I-WORKS COST	1,03,876.23	17,714.82	1,21,591.05

II. ESTABLISHMENT:

(8% of cost of I-works less N-Land for Unit-I & 12% of Unit-II)	7,173.31	2,033.87	9,207.18
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III. TOOLS AND PLANT:

(Generally 1% of cost of I-works including cost of land).	1,038.76	177.15	1,215.91
IV. SUSPENSE -	--	--	--

V. Receipts and recoveries on capital account	(-)	341.00	(-)	54.45	(-)	395.51
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TOTAL DIRECT CHARGES:	1,11,747.24	19,871.39	1,31,618.63
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INDIRECT CHARGES:

a. Capitalised value of abutment of land Revenue (5% of Land Cost)	264.65	21.64	286.29
b. Audit and accounts charges (Generally 1% of cost of I-works)	1,038.76	177.15	1,215.91

TOTAL INDIRECT CHARGES	1,303.41	198.79	1,502.20
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TOTAL OF DIRECT AND INDIRECT CHARGES	1,13,050.65	20,070.18	1,33,130.83
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OR 1331.30 CRORES

ANNEXURE-VIIBENEFIT COST RATIO

(Amount in Lakhs)

A.	Benefits - Primary (Direct)	
	Net value of produce after canal irrigation	19,397.44
	Net value of produce before canal irrigation	1,505.93
	Loss of produce (page 210 of Vol I of DPR)	126.00
	Net Benefit	17,764.51
B.	Annual Costs:	
1.	Cost of the project	13,313.00
2.	Cost of land development of Rs.2300 per ha. of additional ayaicut of 102000 ha.	2,346.00
3.	Cost of ground water development (page 218 of DPR)	1,773.00
	TOTAL:	1,37,249.00
i.	Interest on capital @ 10%	13,724.90
ii.	Depreciation @ 1% of total cost excluding cost of land development	1,349.03
iii.	Administrative expenses @ Rs.180/- per ha. of annual irrigation of 102000 ha.	183.60
iv.	Maintenance of Head works @ 1% of cost	1,130.50
v.	Working expenses of pumping	850.00
	COST OF GROUND WATER	
	(BASED ON SRSP RATES ADJUSTED FOR 1992-93 SOR)	
vi.	Depreciation of pump sets	53.08
vii.	Energy charges	16.49
viii.	O&M cost of pumps @ Rs.500 for 12648 ha....	63.24
	TOTAL COST	17,370.84
	B.C. Ratio	1.02

(Amount in Lakhs)

(212)

Gross Receipts Before Canal Irrigation

I.	Gross receipt	
II.	Gross value of farm produce	4,495.32
III.	Add dung receipt @ 3.0% of fodder expenses	202.28
	 Total Receipt (I)	4,697.60
II.	Expenditure	
i.	Expenditure on seeds	171.01
ii.	Expenditure on manures	614.70
iii.	Expenditure on hired labour	1,294.62
iv.	Fodder Expenses at 15% of (I)	674.29
v.	Depreciation on implements @ 2.7% of (I)	121.37
vi.	Share & cash rent @ 5% of (I)	224.76
vii.	Land Revenue @ 2% of (I)	89.90
	 TOTAL EXPENDITURE (II)	3,190.67
III.	Net Value of Produce (I)	1,506.93

ANNEXURE-VII

Gross Receipts After Canal Irrigation

I.	Gross Receipt	
i.	Gross value of farm produce	27,448.81
ii.	Add dung receipt @ 30% of fodder expenses	823.46
	TOTAL RECEIPT (I)	28,272.27
II.	Expenditure	
i.	Expenditure on seeds	986.02
ii.	Expenditure on manures	1,143.18
iii.	Expenditure on hired labour	2,346.25
iv.	Fodder expenses at 10% of I(I)	2,744.88
v.	Depreciation on implements @ 2.7% of I(I)	741.11
vi.	Share & cash rent @ 3% of I(I)	823.46
vii.	Land revenue (same as before irrigation)	89.91
	TOTAL EXPENDITURE (II)	8,874.83
III.	Net value of produce (I)	19,397.44

E.C. RATIO CALCULATION FOR HIGH LEVEL CANAL FROM SRSP PROJECT (A.P.)

B.C. RAT!O 1.02

ESTIMATE OF VALUE OF THE PRODUCE AFTER THE PROJECT

ESTIMATE OF VALUE OF THE PRODUCE AFTER THE PROJECT

10. **Final evaluation of the produce before the Project**

Paddy	21870	3.2
Jawar	66000	1.1
		<u>16</u>

Total Exp.

208033500

329462000

56862006

51

ANNEXURE-II

पर्यावरण एवं पर्यावरण
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

(5.11.03)

9/6/03

P.R.17

62

ANNEXURE - A2

4

F. No. B- 12011/26/2000-IA-I.

Dated: 14.05.2003.

To,

The Secretary to Govt. of A.P.,
Department of Irrigation & CAD (PW),
A.P. Secretariat,
Hyderabad -
Andhra Pradesh

5

Subject - Flood Flow Canal project from Sri Rama Sagar project District Mahabubnagar,
Andhra Pradesh - Environmental Clearance - regarding.

Sir,

This has reference to your letter No. 30788/SRSP-1(1)/2002-1, dated 28.9.2002, and
subsequent letter Department of Irrigation & CAD letter No. CE/SRSP-
II&FFC/Wgl/TS/AEE/FFC/2962 & 2979 dated 18.11.02, 26.11.2002, 21.12.2002 & 07.01.2003
on the subject.

2. The above referred proposal was considered by the Expert Committee for River Valley &
Hydroelectric projects at its meeting held on 29.11.2002 & reconsidered on 16.01.2003. The
proposed Flood Flow Canal project from Sri Rama Sagar project will provide irrigation facilities
to the upland drought prone areas of Karimnagar, Warangal and Nalgonda Districts of Andhra
Pradesh to an extent of 89,029 ha. An area of 40,468 ha. will be irrigated by gravity flow and the
rest 48,561 ha. by lift irrigation to utilise 339 Mcum of surplus water from the foreshore of Sri
Ram Sagar Project Reservoir. No forest land is involved. In all 17,056 persons will be affected
due to this project. The estimated cost of project is Rs 1331.30 crores, at 1992-93 price level.

3. The Ministry of Environment and Forests hereby accords environmental clearance as per the
provision of Environmental Impact Assessment notification, 1994, subject to the strict
compliance of the terms and conditions mentioned below -

पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स, लोदी रोड, नई दिल्ली-110003
PARYAVARAN BHAVAN, C.G.O. COMPLEX, LODHI ROAD, NEW DELHI-110003

- 6 -

6/14

Part - A: Specific conditions

(63)

1. Catchment area treatment plan as proposed should be completed in five year. The plan is reproduced below -

Type of treatment	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
MID MANAIR RESERVOIR						
Biotic treatment measures (Area in Sq. km.)						
Social forestry, Agree-forestry, Silvipasture	75.00	100.00	100.00	100.00	73.13	448.13
Afforestation and Re-vegetation	10.00	20.00	20.00	20.00	24.38	94.38
Soil and moisture Conservation measures with vegetation barriers and horticulture	300.00	375.00	375.00	375.00	279.00	1704.00
Soil and moisture Conservation measures with Agro-horticulture / Agro-forestry	4.00	7.00	7.00	7.00	3.75	28.75
Overseeding of grasses	1.00	1.00	1.00	1.00	1.00	5.00
Engineering / Gully control works (In No.)						
Gully Plugs	30	30	30	30	30	150
Rock fill dam	15	15	15	15	15	75
Check dams	-	-	-	-	-	-
GOURAVELLI RESERVOIR						
Biotic treatment measures (Area in Sq. km.)						
Social forestry, Agree-forestry, Silvipasture	2.000	2.500	2.500	2.500	1.425	10,925
Afforestation and Re-vegetation	-	-	-	-	-	-
Soil and moisture Conservation measures with vegetation barriers and horticulture	0.600	0.700	0.700	0.700	0.675	3.375
Soil and moisture Conservation measures with Agro-horticulture / Agro-forestry	-	-	-	-	-	-
Overseeding of grasses	0.030	0.050	0.050	0.050	0.045	0.225
Engineering / Gully control works (In No.)						
Gully Plugs	1	2	2	1	1	6
Rock fill dam	-	1	1	1	-	3
Check dams	-	-	-	-	-	-

- 7 -

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(715)

(64) 200

In all 17,056 persons will be affected due to this project. The affected persons should be rehabilitated as per the Government of Andhra Pradesh policy & report submitted to this Ministry.

Part -B. General conditions.

- i) Provision of supplying kerosene or cooking gas / Pressure Cooker to the labourers should be kept instead of supplying fuel wood.
- ii) Fuel depot may be opened at the site to provide the fuel (kerosene/wood /LPG). Medical facilities as well as recreational facilities should also be provided to the labourers.
- iii) All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.
- iv) Restoration of construction area including dumping site of excavated materials in the project area should be ensured by levelling, filling up of burrow pits, landscaping etc. The area should be properly afforested with suitable plantation.
- v) A multidisciplinary committee should be constituted with representatives from the disciplines of forestry, ecology, wildlife, soil conservation, NGO etc. to oversee the effective implementation of the suggested safeguard measures.
- vi) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.
- vii) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Bangalore for review.

4. Officials from Regional Office MOEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection.
5. The responsibility of implementation of environmental safeguards rests fully with the Irrigation Department, Govt. of Andhra Pradesh.
6. In case of change in the scope of the project, project would require a fresh appraisal.
7. The Ministry reserves the right to add additional safeguard measures subsequently if found necessary and to take action including revoking of the clearance under the provisions of the environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

(65)

8. This clearance letter is valid for a period of five years from the date of issue of this letter for commencement of construction work.
9. A copy of the clearance letter will be marked to concerned Panchayat /local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
10. State Pollution Control Board / Committee should display a copy of the clearance letter at the regional office, district industries centre and collector's office / tehsildar's office for 30 days.
11. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project ,one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://www.envfor.nic.in/>.

(S. Shiva Kumar)
Director (IA)

Copy to: -

1. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110001.
2. Secretary, Department of Ecology & Environment, Govt. of Andhra Pradesh , Secretariat, Hyderabad.
3. Secretary, Department of Irrigation, Govt. of Andhra Pradesh, Secretariat, Hyderabad.
4. The Advisor (I&CAD) Planning Commission, Yojana Bhawan, New Delhi -110 001.
5. The Chief Engineer (PAD), Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi - 100062.
6. CCF, Regional Office, Ministry of Environment & Forests, Bangalore.
7. EI - Division, MOEF, New Delhi - 110001.
8. Guard file.


(S. Shiva Kumar
Director (IA)

9 -

(9/15)

ANNEXURE-IIIGOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

From: Sri S.D.Mukherji, I.F.S.,
Prl.Chief Conservator of Forests,
Aranya Bhavan,
Andhra Pradesh, Hyderabad.

To: The Chief Engineer,
Godawari Waters,
M.J.Road,
HYDERABAD: 500 001. (AP)

(66)

Ref. No. 50907/99/F.1, Dated: 14.3.2000

Sir,

Sub:- Flood Flow Canal-Passing through R.F.,
areas issue of Certificate regarding
non-involvement of R.F. areas-Reg.

Ref:- C.E., No.CE/GW/DCE/OT1/AE1/26/Forest
clearance/99, dt. 26.10.99.

-101-

Attention is invited to the reference cited wherein
it is requested to issue a certificate that no forest land
is coming under the submergence of Reservoir and all along
the canal alignment of flood flow canal passing through the
Reserve Forest areas in Nizamabad, Karimnagar, Medak, Warangal
and Nalgonda divisions.

In this regard it is informed that the canal areas
passing through the Reserve Forest in Nizamabad, Karimnagar,
Medak, Warangal and Nalgonda have been verified and found
that it is not passing through any Reserve Forest areas.

Yours faithfully,
Sd/- K.R.V.Rao,
for Prl.Chief Conservator of Forests

13/3

// True Copy//

14/3/2002

for Prl.Chief Conservator of Forests

CS
14/3

Encl No. TSI/ DE/OT1/T1/99/1/ Vol XI SSS/ 5

M/27-CP-2000

copy forwarded to Mr. P.C. Divisional Officer, Warangal for information

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• 8 • (9) (67) (51) (14) (910)

GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

For:
Sri S.D.Mukherji, I.F.S.,
Forl.Chief Conservator of Forests,
Krishna Bhawan,
Andhra Pradesh, Hyderabad.

To:
The Chief Executive,
Godavari Waters,
Jalasudha Nagar,
Ecrannamazil,
HYDERABAD

Ref. #FB-50907/20/2000 Dated: 14.9.2000

Sir,

Sub:- Flood flow channels forming land in between
all along the canals alignment of flood
canal and two reservoirs viz., Mid-Manjira
and Gouravelli Reservoir-Ram.

Ref:- G.O.M.O. CS/CH/DCS/OM/ADM/20 Forest clear
99, dated, 14.7.2000.

- 801 -

Attention is invited to the reference cited, wherein
it was requested to kindly issue a certificate that no forest
land is coming under the submergence of the reservoirs
in the subject areas under flood flow canals.

In this regard it is informed that the areas coming
under submergence of Mid-Manjira reservoir and Gouravelli
reservoir is not coming under any reserve forest areas.

Yours faithfully,
Sd/- T.Ramakrishna,
Forl.Chief Conservator of Forests.

//True Copy//

U.S.

for Forl.Chief Conservator of Forests
97
O.C. (S)

ANNEXURE-IV

No.20011/4/2003-CP&R
 Government of India
 Ministry of Tribal Affairs
 (CP&R Section)



Shastri Bhavan, New Delhi
 Dated the 2nd September, 2004

To

The Principal Secretary to Govt.(TW),
 Social Welfare Department,
 Govt. Of Andhra Pradesh,
 A.P.Secrétariat,
 HYDERABAD

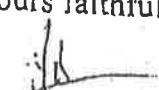
Sub : R&R clearance for Flood Flow Canal Project from SRSP, Andhra Pradesh.

Madam,

I am directed to refer to Govt. of Andhra Pradesh letter No.CE/SRSP-ii&FFC/Wgl/TS/T.1/1339 dated 06.08.2004 on the subject noted above and to state that the Ministry of Tribal Affairs has no objection in clearing the project provided the provisions made under the R&R Plan are followed in letter and spirit. Provisions of the R&R as provided under the R&R Plan are enclosed herewith for strict compliance. It is requested that a report indicating the details of rehabilitation of STs may also be sent to this Ministry.

2. This issues with the approval of the Competent Authority.

Yours faithfully,


 (Dr. Ramesh Chandra)
 Director

✓ Copy to : The Chief Engineer, I&CADD, SRSP Stage - II & FFC,
 Warangal-506001 (AP).

for CEC (kinu)
 forwarded
 14/9

- 12 -

12/15

(69)

THE R&R PROVISIONS PROVIDED UNDER FLOOD FLOW CANAL
PROJECT FROM SRSP, ANDHRA PRADESH

I. REHABILITATION & RESETTLEMENT PACKAGE FOR SCHEDULED TRIBES (S.Ts.)
UNDER FLOOD FLOW CANAL FROM KM.0.00 TO 130.00

Sl.No.	Item	Area/ Number	Rate (in lakhs)	Amount (Rs.in Lakhs)
R & R ENTITLEMENTS FOR PAPs				
1	Provision of allotment of 2 ha (5 Acres) Un-Irrigated land to each Displaced person and Major children	490 Ac.	1.00 per acre	490.00
	PAPs & DPs : 57			
	MCs : 41			
	Total : 98			
2(a)	Provision of economic assistance for development of land at Rs.10000/- per PAP & MC = 98 X 2 = 196 ha	196 ha	0.10	19.60
2(b)	Provision for financial grant of per PAF for agriculture Production	98 Nos.	0.05	4.90
3	Provision of financial assistance per family for family maintenance for 750 days @ Rs.100/- per day = 750 x 100 = 75000	98 Nos.	0.25	24.50
4	Provision of financial assistance of Rs.3000/- per family for cattle shed construction and Rs.5,000/- for Transportation	98 Nos.	0.08	7.84
Total.				
				546.84

II. REHABILITATION & RESETTLEMENT PACKAGE FOR SCHEDULED TRIBES (S.Ts.)
UNDER MID MANAIR RESERVOIR AND ITS CANALS (85 KM. LENGTH)

Sl.No.	Item	Area/ Number	Rate (in lakhs)	Amount (Rs.in Lakhs)
I. ADDITIONAL R & R ENTITLEMENTS FOR DISPLACED PERSONS				
1	Provision of developed house site of 500 Sqm. (0.124 Acres) free of cost.	8.432 Ac.	1.00	8.43
	DPS : 40			
	MCs : 28			
	Total : 68 68x0.124 = 8.432 Ac.			
2	Provision of economic assistance for house construction @ Rs.25,000/- per DP	68 Nos.	0.25	17.00

- 13 -

(70)

(227)

3	Provision of free transport facility for transporting the usable material of the DP's from their original place of residence to the new settlement center	68 Nos.	0.01	0.68
II. COMMON R & R ENTITLEMENTS FOR DESPLACED PERSONS AND PAPs				
1	Provision of allotment of 2 ha (5 Acres) Un-Irrigated land to each Displaced person and Major children	435 Ac.	0.60 per acre	261.00
	PAPs & DPs : 51 $87 \times 5 = 435$ Ac.			
	MCs : 36			
	Total : 87			
2(a)	Provision of economic assistance for development of land at Rs.15,000/- per Ha = $87 \times 2 = 174$	174 Ha	0.10	17.40
2(b)	Provision of financial grant of Rs.5,000/- per PAF for agricultural production	87 Nos.	0.05	4.35
3	Provision of financial assistance per family for family maintenance for 750 days @ Rs.100/- per day = $750 \times 100 = 75000$	87 Nos.	0.75	65.25
4	Provision of financial assistance of Rs.3000/- per family for cattle shed construction + Rs.5,000 for Transportation	87 Nos.	0.08	6.96
Total				381.07

**III. REHABILITATION & RESETTLEMENT PACKAGE FOR SCHEDULED TRIBES (S.Ts.)
UNDER GOURAVELLY RESERVOIR AND ITS CANALS (139 KM. LENGTH)**

Sl.No.	Item	Area/ Number	Rate (Inlakhs)	Amount (Rs.In Lakhs)
I. ADDITIONAL R & R ENTITLEMENTS FOR DISPLACED PERSONS				
1	Provision of developed house site of 500 Sqm. (0.124 Acres) free of cost.	6.944 Ac.	1.00	6.94
	DPs : 34			
	MCs : 22			
	Total : 56 $56 \times 0.124 = 6.944$ Ac.			
2	Provision of economic assistance for house construction @ Rs.25,000/- per DP	56 Nos.	0.25	14.00
3	Provision of free transport facility for transporting the usable material of the DP's from their original place of residence to the new settlement center	56 Nos.	0.01	0.56
II. COMMON R & R ENTITLEMENTS FOR DESPLACED PERSONS AND PAPs				
1	Provision of allotment of 2 ha (5 Acres) Un-Irrigated land to each Displaced person and Major children	605 Ac.	0.60 per acre	363.00
	PAPs & DPs : 72 $121 \times 5 = 605$ Ac.			
	MCs : 49			
	Total : 121			
2(a)	Provision of economic assistance for development	242 Ha	0.10	24.20

- 14 -

(14/15)

2(b)	of land at Rs.10,000/- per Ha = $121 \times 2 = 242$ Provision of financial grant of Rs.5,000/- per PAF for agricultural production	121 Nos.	0.05	6.05
3	Provision of financial assistance per family for family maintenance for 750 days @ Rs.100/- per day = $750 \times 100 = 75000$	121 Nos.	0.75	90.75
4	Provision of financial assistance of Rs.3000/- per family for cattle shed construction + Rs.5,000 for Transportation	121 Nos.	0.08	9.68
Total				515.18

-15-

No. 2(322)/03-WR
 Government of India
 Planning Commission
 (Water Resource Division)

256



To
 Secretary,
 Planning Department,
 Government of Andhra Pradesh,
 A.P. Secretariat,
 Hyderabad.

Yojana Bhavan, Sansad Marg,
 New Delhi-110001.
 Dated 8th December, 2005

CE	Subject:-
DCE	19/12
NTPA	
SEC	OTI

Subject:- Flood Flow Canal Project (Major) from Srirama Sagar Project (High level Canal Project) in Godavari Basin, Andhra Pradesh- Estimated Cost Rs.1331.30 crore as per 1992-93 price level.

Sir,

I am directed to convey that Flood Flow Canal Project (Major) from Srirama Sagar Project (High level Canal Project) in Andhra Pradesh, the salient features of which are given in the enclosed annexure (Annexure-I) has been considered acceptable for investment in the State Plan with an estimated cost Rs.1331.30 crore (Rupees one thousand three hundred thirty one crore and thirty lakhs only) as per 1992-93 price level subject to the following conditions,

1. The project shall be completed by the financial year 2011-12 and plan accounts closed by the end of that financial year. The project may accordingly be executed as per the approved outlays in the State Annual Plans. The State Finance Department will restrict the expenditure to the approved cost and no additional expenditure beyond approved cost may be permitted unless the revised estimate is got approved following the prescribed procedure.

2. The Project Authority shall comply with the conditions stipulated in Ministry of Environment and Forest letter no. J-12011/26/2000-IA.I dated 14.05.2003 for environmental safe guards. Enclosed in Annexure-II.

3. The Forest Department, Government of Andhra Pradesh vide their letter No. 50907/99/F.I dated 14.03.2000 and 14.09.2000 has informed that no forest land is involved under the reservoir of this project and the canal areas are not passing through any reserve forest areas. Enclosed in Annexure III.

4. The Ministry of Tribal Affairs, (CP & R) Section vide their letter No. 20011/4/2003-CP&R dated 02.09.2004 has given its clearance for the R & R Plan. Enclosed in Annexure IV.

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 19/12/05

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(73) (VFB)

5. The beneficiary farmers may be encouraged to take over the system after completion for operation and maintenance.
6. Monitoring of the ground level in the post project condition should be ensured to take ameliorative measures to combat water logging.

Yours faithfully

Encl.: As above.

Haldar
08/12/05
(S. Haldar)
Senior Research Officer (WR)

Copy to :

1. Secretary to the Governor of Andhra Pradesh, Hyderabad.
2. Secretary to the Chief Minister Andhra Pradesh.
3. Chief Secretary, Government of Andhra Pradesh, A.P. Secretariat, Hyderabad.
4. Principal Secretary, Department of Irrigation & CAD, A.P. Secretariat, Hyderabad.
5. Chief Engineer, I & CADD, SRSP Stage II & F.F.C. Warangal, Andhra Pradesh.
6. Chief Engineer, Central Water Commission, Krishna and Godavari Basin Organization, Chirag Ali Lane, Hyderabad – 500 001, Andhra Pradesh.

Ministry of Water Resources, S.S.Bhawan, New Delhi

- i. Secretary (WR)
- ii. Commissioner (Pr)

Central Water Commission, Sewa Bhavan, R. K. Puram, New Delhi

- i. Chairman, Central Water Commission
- ii. Member (WP&P)
- iii. Chief Engineer (PAO).....2 Copies
- iv. Chief Engineer (PMO).....2 Copies
- v. Director (P&P).....2 Copies
- vi. Director PA(S)
- vii. Editor (Bhagirath)

Ministry of Environment & Forests, FC Division, Paryavaran Bhawan, New Delhi

- i. Additional Director.....2 Copies
- ii. Assistant Inspector General of Forests.....2 Copies

**GOVERNMENT OF TELANGANA
ABSTRACT**

Disaster Management - Adverse Seasonal Conditions 2015 - Drought - Declaration of 231 Mandals as Drought Affected in the State during South West Monsoon 2015 - Orders - Issued.

REVENUE [DM.II] DEPARTMENT

G.O.Ms.No:6

Dated:24.11.2015.
Read the following:-

1. Go.Rt.No.78, Revenue (DM) Department, Dt:07.10.2015
2. Reports received from the District Collectors of Mahabubnagar, Medak, Nizamabad, Ranga Reddy, Nalgonda, Karimnagar, Warangal, Adilabad & Khammam.
3. Reports of the Department of Agriculture.

@@@

ORDER:

Government have been reviewing the seasonal conditions from time to time in the State during the South West Monsoon 2015. During the South West Monsoon Period (1.06.2015 to 30.09.2015), the State has received an average rainfall of 610.8 mm as against normal rainfall of 713.6 mm, with a deviation of (-) 14%. Several mandals spread over 7 districts have received deficit rainfall along with severe dry spells that have caused withering and drying up of crops that is likely to result in drastic yield reduction of several major rainfed crops.

2] The District Collectors have reported that Mandals in their districts received scanty / deficit rainfall with dry-spells resulting in reduction in yield due to moisture stress to the crops sown. The District Collectors of Mahabubnagar, Medak, Nizamabad, Ranga Reddy, Nalgonda, Karimnagar, Warangal, Adilabad & Khammam have submitted proposals for declaration of mandals as Drought affected in their Districts.

3] In the reference 1st read above Government constituted a Committee to scrutinize the proposals submitted by District Collectors for declaration in the State. The Committee after scrutiny of the proposals of Collectors and reports of the other Government Departments have given its recommendation for declaration of Drought in certain areas in the State.

4] Government after careful examination, hereby declare the 231 mandals [as in Annexure-II] in 7 districts i.e., Mahabubnagar (64), Medak (46), Nizamabad (36), Ranga Reddy (33), Nalgonda (22), Karimnagar (19) & Warangal (11) as drought affected mandals.

(P.T.O)

- 2 -

5] The District Collectors concerned shall ensure deletion of the notified municipal/urban areas and areas falling under permanent assured irrigation sources. Urban mandals which are declared as drought affected, shall be treated on par with drought affected mandals for the purpose of drinking water. The District Collectors shall issue notification in the District Gazette as mentioned in Annexure-I

6] The Collectors concerned are requested to take immediate further necessary action.

7] The Commissioner and Director of Printing, Stationary and Stores Purchase (Printing Wing), T.S., Hyderabad is requested to see that the notification is published in the extra-ordinary issue of Telangana State Gazette.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**B.R.MEENA
COMMISSIONER FOR DISASTER MANAGEMENT &
EX-OFFICIO PRINCIPAL SECRETARY TO GOVERNMENT (FAC)**

To

The District Collectors of Mahabubnagar, Medak, Nizamabad, Ranga Reddy, Nalgonda, Karimnagar, Warangal,
The District Treasury Officers concerned.
The Commissioner & Director of Printing Stationery & Stores Purchase, T.S. Hyd.
The APC & Secretary to Government, Agriculture & Cooperation Department
The Director of Treasuries & Accounts, T.S. Hyderabad.
The Special Chief Secretary & Chief Commissioner of Land Administration, T.S.Hyd.
The Prinicapl Secretary to Government, Planning Department.
The Special Chief Secretary to Government, Finance Department.
The Prl.Chief Conservator of Forests, T.S.Hyderabad.
The Prl.Secretary to Government, Animal Husbandry Dairy Development & Fisheries
The Prl.Secretary to Government, MA & UD Department.
The Prl.Secretary to Government, PR & RD (RWS) Department.
The Prl.Secretary to Government, Women Development & Child Welfare Deptt.
The Director NRSC, Balanagar, T.S., Hyderabad
The Director of IMD, Begumpet, Hyderabad
The Director, Agro Climate Research Centre Agriculture Research Institute,
Prof.Jayashanker Agriculture University, R.Nagar,Hyd
The Director, Directorate of Economics & Statistics, T.S.Hyderabad.
The Commissioner of I&PR Dept. with a request to issue press note to electronic
and print media.
The Commissioner, Civil Supplies & Ex. Officio Secretary to Govt.

(Contd...P3)

- 3-

The Director of Agriculture, Hyderabad.
 The Commissioner of Horticulture, Hyderabad..
 The Commissioner & Director of Municipal Administration, Hyderabad.
 The Commissioner, Rural Development, Hyderabad.
 The Commissioner, Panchayat Raj Department, Hyderabad.
 The Commissioner & Director of School Education, Hyderabad.
 The Commissioner & Director of Intermediate Education, Hyderabad.
 The Commissioner, Higher Education, Hyderabad.
 The Managing Director, T.S.State Civil Supplies Corporation, Hyderabad.
 The Managing Director, TSTRANSCO, Hyderabad.
 The Director, Animal Husbandry, Hyderabad.
 The Director, Health Department, Hyderabad.
 The Director, State Audit, Tilak Road, Hyderabad.
 The Director, Groundwater, Department, Hyderabad.
 The Chief Executive Officer, TSDPS, Secretariat.
 The Engineer-in-Chief, Panchayat Raj, Hyderabad.
 The Engineer-in-Chief, Rural Water Supply, Hyderabad.
 The Chief Engineer, Public Health, Hyderabad.

Copy to:

All the Principal Secretaries & Addl.Secretary in the CM's Office.
 The Accountant General, Hyderabad.
 The Agriculture & Cooperation Department.
 The Education Department.
 The Energy Department.
 The Animal Husbandry & Fisheries Department.
 The PR&RD (RWS.I, II, III & RD.I, II, III) Department.
 The Managing Director, TSCOB, Hyderabad.
 The Finance & Planning (IF) Department.
 The Convener, T.S. State Level Banker's Committee, State Bank of Hyderabad,
 Abids, Hyd.
 The Managing Director, NABARD, Hyderabad.
 The General Administration (Cabinet) Department.
 The P.S. to Dy.CM & Minister (Revenue)
 The P.S. to all Ministers in the State.
 The P.S. to Chief Secretary to Government.
 The P.S. to Prl.Secretary to Government, Revenue Department.
 The Revenue (DM Accounts) Department, T.S. Secretariat, Hyderabad.
 The P.S. to CDM&EOPS.
 The Special Commissioner, Revenue (DM) Department
 The Special Commissioner (Drought), Revenue (DM) Department

// FORWARDED BY:: ORDER //

SECTION OFFICER

ANNEXURE-I

(to G.O. Ms. No.6,REVENUE (DM:II) Dept, Dt : 24.11.2015

NOTIFICATION

In the circumstances reported by the respective District Collectors, the Government declare that drought exists during the South West Monsoon during the current year 2015 in the 231 mandals annexed to this order. The concerned District Collectors are requested to take necessary further action and notify the specific mandals in the District Gazette to enable farmers to avail credit facilities and to take up relief operations. The concerned District Collector shall ensure deletion of the notified Municipal/Urban areas and areas falling under permanent assured irrigation sources where water is being supplied for crops from drought affected mandals though for purpose of drinking water they shall be treated on par with drought affected mandals.

The concerned District Collectors are requested to furnish (10) copies of the District Gazette Notification to the Government.

**B.R.MEENA
COMMISSIONER FOR DISASTER MANAGEMENT &
EX-OFFICIO PRINCIPAL SECRETARY TO GOVERNMENT (FAC)**

// FORWARDED BY:: ORDER //

SECTION OFFICER

Annexure - II

Declared as Drought Affected Mandals

Vide G.O.Ms.No.6, Revenue (DM.II) Department, Dated: 24.11.2015

Sl. No		Name of the Districts	No. of Mandals
1	1	1. MAHABUBNAGAR (64)	KODANGAL
2	2		BOMRASPETA
3	3		KOSGI
4	4		DOULATABAD
5	5		DAMARAGIDDA
6	6		MADDUR
7	7		KOILKONDA
8	8		HANWADA
9	9		NAWABPET
10	10		BALANAGAR
11	11		KONDURG
12	12		FAROOQNAGAR
13	13		KOTHUR
14	14		KESHAMPETA
15	15		TALAKONDAPALLE
16	16		AMANGAL
17	17		MADGUL
18	18		VANGOOR
19	19		VELDANDA
20	20		KALWAKURTHY
21	21		MIDJIL
22	22		THIMMAJIPETA
23	23		JADCHERLA
24	24		BHOOTHPUR
25	25		MAHBUBNAGAR
26	26		ADDAKAL
27	27		DEVARKADARA
28	28		DHANWADA
29	29		NARAYANPET
30	30		UTKOOR
31	31		MAGANOOR
32	32		MAKTHAL
33	33		NARVA
34	34		CHINNA CHINTA KUNT
35	35		ATMAKUR
36	36		KOTHAKOTA
37	37		PEDDAMANDADI
38	38		GHANPUR
39	39		BIJINAPALLE
40	40		NAGAR KURNOOL
41	41		TADOOR
42	42		TELKAPALLE
43	43		UPPUNUNTHALA
44	44		ACHAMPETA

45	45		AMRABAD
46	46		BALMOOR
47	47		LINGAL
48	48		PEDDAKOTHAPALLE
49	49		KODAIR
50	50		GOPALPETA
51	51		WANAPARTHY
52	52		PANGAL
53	53		PEBBAIR
54	54		GADWAL
55	55		DHARUR
56	56		MALDAKAL
57	57		GHATTU
58	58		AIZA
59	59		WADDEPALLE
60	60		ITIKYAL
61	61		MANOPADU
62	62		ALAMPUR
63	63		VEEPANGANDLA
64	64		KOLLAPUR
65	1	2. MEDAK (46)	MANOOR
66	2		KANGTI
67	3		KALHER
68	4		NARAYANKHED
69	5		REGODE
70	6		SHANKARAMPET (A)
71	7		ALLADURG
72	8		TEKMAL
73	9		PAPANNAPET
74	10		KULCHARAM
75	11		MEDAK
76	12		SHANKARAMPET (R)
77	13		RAMAYAMPET
78	14		DUBBAK
79	15		MIRDODDI
80	16		SIDDIPET
81	17		CHINNA KODUR
82	18		NANGANUR
83	19		KONDAPAK
84	20		JAGDEVPUR
85	21		GAJWEL
86	22		DOULTABAD
87	23		CHEGUNTA
88	24		YELDURTHY
89	25		KOWDIPALLE
90	26		ANDOLE
91	27		RAIKODE
92	28		NYALKAL
93	29		JHARASANGAM

94	30		ZAHIRABAD
95	31		KOHIR
96	32		MUNPALLE
97	33		PULKAL
98	34		SADASIVPET
99	35		KONDAPUR
100	36		SANGAREDDY
101	37		PATANCHERU
102	38		RAMACHANDRAPURAM
103	39		JINNARAM
104	40		HATHNOORA
105	41		NARSAPUR
106	42		SHIVAMPET
107	43		TUPRAN
108	44		WARGAL
109	45		MULUG
110	46		THOGUTTA
111	1	3. NIZAMABAD (36)	RANJAL
112	2		NAVIPET
113	3		NANDIPET
114	4		ARMUR
115	5		BALKONDA
116	6		MORTAD
117	7		KAMMAR PALLE
118	8		BHEEMGAL
119	9		VELPUR
120	10		JAKRANPALLE
121	11		MAKLOOR
122	12		NIZAMABAD
123	13		YEDA PALLE
124	14		BODHAN
125	15		KOTGIRI
126	16		MADNUR
127	17		JUKKAL
128	18		BICKUNDA
129	19		BIRKOOR
130	20		VARNI
131	21		DICH PALLE
132	22		DHAR PALLE
133	23		SIRKONDA
134	24		MACHAREDDY
135	25		SADASIVANAGAR
136	26		GANDHARI
137	27		BANSWADA
138	28		PITLAM
139	29		NIZAM SAGAR
140	30		YELLAREDDY
141	31		NAGA REDDIPET

142	32		LINGAMPET
143	33		TADWAI
144	34		KAMAREDDY
145	35		BHIKNUR
146	36		DOMAKONDA
147	1	4. RANGA REDDY (33)	MARPALLE
148	2		MOMINPET
149	3		NAWABPET
150	4		SHANKARPALLE
151	5		QUTHBULLAPUR
152	6		MEDCHAL
153	7		SHAMIRPET
154	8		KEESARA
155	9		GHATKESAR
156	10		HAYATHNAGAR
157	11		SAROORNAGAR
158	12		RAJENDRANAGAR
159	13		MOINABAD
160	14		CHEVELLA
161	15		VICARABAD
162	16		DHARUR
163	17		BANTARAM
164	18		PEDDEMUL
165	19		TANDUR
166	20		BASHEERABAD
167	21		YELAL
168	22		DOMA
169	23		GANDEED
170	24		KULKACHARLA
171	25		PARGI
172	26		PUDUR
173	27		SHABAD
174	28		SHAMSHABAD
175	29		MAHESWARAM
176	30		IBRAHIMPATAM
177	31		MANCHAL
178	32		YACHARAM
179	33		KANDUKUR
180	1	5. NALGONDA (22)	YADAGIRIGUTTA
181	2		ALAIR
182	3		MOTHKUR
183	4		BIBINAGAR
184	5		THIPPARTHI
185	6		MUNUGODE
186	7		CHANDUR
187	8		MELLACHERVU
188	9		CHINTHA PALLE
189	10		DEVARAKONDA
190	11		KANGAL

191	12		BOMMALARAMARAM
192	13		BHONGIR
193	14		POCHAMPALLY
194	15		NAKREKAL
195	16		MOTHEY
196	17		NARAYANAPUR
197	18		GUNDLA PALLE
198	19		CHANDAM PET
199	20		CHOUTUPPAL
200	21		MATTAMPALLY
201	22		TURKAPALLY
202	1	6. KARIMNAGAR (19)	KATHLAPUR
203	2		CHANDURTHI
204	3		GANGADHARA
205	4		RAMADUGU
206	5		VEMULAWADA
207	6		KONARAOPETA
208	7		YELLA REDDI PETA
209	8		GAMBHIRAOPET
210	9		MUSTABAD
211	10		SIRSILLA
212	11		ELLANTHAKUNTA
213	12		BEJJANKI
214	13		THIMMAPUR
215	14		ELKATHURTHI
216	15		SAIDAPUR
217	16		CHIGURUMAMIDI
218	17		KOHEDA
219	18		HUSNABAD
220	19		BHEEMADEVARPALLE
221	1	7. WARANGAL (11)	CHERIYAL
222	2		MADDUR
223	3		NARMETTA
224	4		BACHANNAPETA
225	5		JANGAON
226	6		LINGALA GHANPUR
227	7		RAGHUNATHA PALLE
228	8		GHANPUR STATION
229	9		DHARMASAGAR
230	10		ZAFFERGADH
231	11		NARSIMHULAPET

B.R.MEENA
COMMISSIONER FOR DISASTER MANAGEMENT &
EX-OFFICIO PRINCIPAL SECRETARY TO GOVERNMENT (FAC)

// FORWARDED BY:: ORDER //

SECTION OFFICER

101
20.5.17

ANNEXURE A7

GOVERNMENT OF TELANGANA
ABSTRACT

83

Irrigation & CAD Department - Re-Engineering of Indiramma Flood Flow Canal Project from SRSP - Revised Estimate for the work Formation of Gouravelly Reservoir with enhanced capacity from 1.410 to 8.23 TMC water including construction of H.C. Weir, Formation of Diversion Road including construction of DLR Bridge Investigation, Designing and Estimation near Gouravelly(V), Husnabad(M), Karimnagar District - Administrative approval for Revised Estimates - Accorded - Orders Issued.

IRRIGATION AND CAD (Projects-IV) DEPARTMENT

G.O.Rt.No.533

Dated:26-05-2017
Read:-

From the Engineer-In-Chief (Irrigation), Hyderabad, Lt.No.ENC(I)/DCE-I/OT3/AEE7/Gouravelly/2017, Dated:16.03.2017.

&&&

ORDER:-

In the reference read above, the Engineer-In-Chief (Irrigation), Hyderabad has requested the Government to accord Administrative approval for the revised estimates in respect of the work of Re-Engineering of Indiramma Flood Flow Canal Project from SRSP - Formation of Gouravelly Reservoir with enhanced capacity from 1.410 to 8.23 TMC water including construction of H.C. Weir, Formation of Diversion Road including construction of DLR Bridge Investigation, Designing and Estimation near Gouravelly(V), Husnabad(M), Karimnagar District.

2. After careful examination of the proposal submitted by Engineer-In-Chief (Irrigation), Hyderabad, Government hereby accord Adminihstrative approval for the revised estimates in respect of the work of Re-Engineering of Indiramma Flood Flow Canal Project from SRSP - Formation of Gouravelly Reservoir with enhanced capacity from 1.410 to 8.23 TMC water Including construction of H.C. Weir, Formation of Diversion Road including construction of DLR Bridge Investigation, Designing and Estimation near Gouravelly(V), Husnabad(M), Karimnagar District for an amount of Rs.1196.06 Crores, (Rupees Eleven Hundred Ninety Six Crores and Six Lakhs Only), subject to condition that to ensure the additional work entrusted to the existing agency is in consonance with orders issued in G.O.Rt.No.609, I&CAD (Projects-II) Department Dt.30-06-2016 and agreement conditions and also to ensure sufficient funds in accordance to the work programme and to take all precautions like security deposit etc., for proper execution of the work.

3. The expenditure shall be debited to the following Head of Account:

"4700-01-154-25/21-26-530-531 O.E."
"4700-01-154-25/21-26-530-532 Lands"
"4700-01-154-25/21-49-500-501R&R".

4. This order issues with the concurrence of Finance (WP) Department vide their U.O.No.4334/89/WP/A1/2017, Dt.21-04-2017.

P.T.O.

The Engineer-in-Chief (Irrigation), Hyderabad, shall take necessary action, accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

DR. SHAILENDRA KUMAR JOSHI
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To

The Engineer-In-Chief (Irrigation), Hyderabad
The Accountant General, Hyderabad.
The Pay & Account Officer, LMD Colony, Karimnagar
The Director of Works and Accounts, Hyderabad.

Copy to:

The Chief Engineer (Project), LMD Colony, Karimnagar
The PS to Spcl. Chlef Secretary to Government, I&CAD Dept.
The PS to Hon'ble Minister (Irrigation)
The Finance (WP) Department

// FORWARDED :: BY ORDER //

Shay
SECTION OFFICER

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL (SZ)
 AT CHENNAI
 O.A No.56 OF 2023

1.BADDAM BHASKER REDDY

.... Applicants

-Vs-

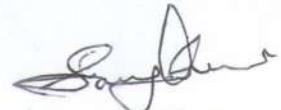
1. Union of India Rep. by its Secretary,
 Union Ministry of Environment
 New Delhi-110003 and 7 others

...Respondents

COUNTER AFFIDAVIT FILED BY THE 3rd RESPONDENT

Date: 23.05.2023

Place: Hyderabad



A. Sanjeev Kumar,

Special Government Pleader - R-3



H. Yasmeen Ali

Counsel for the State of Telangana - R-3