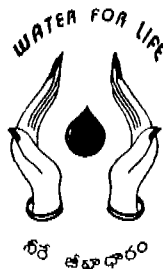


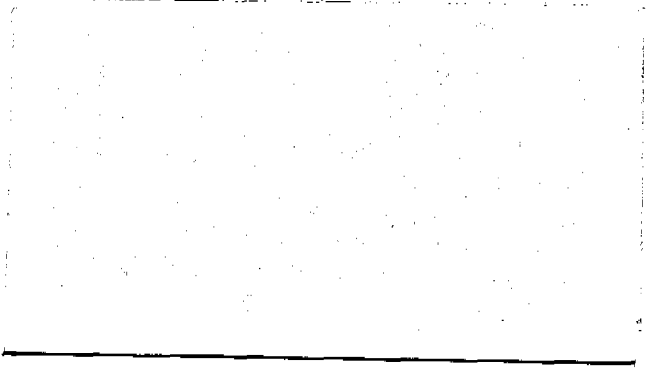
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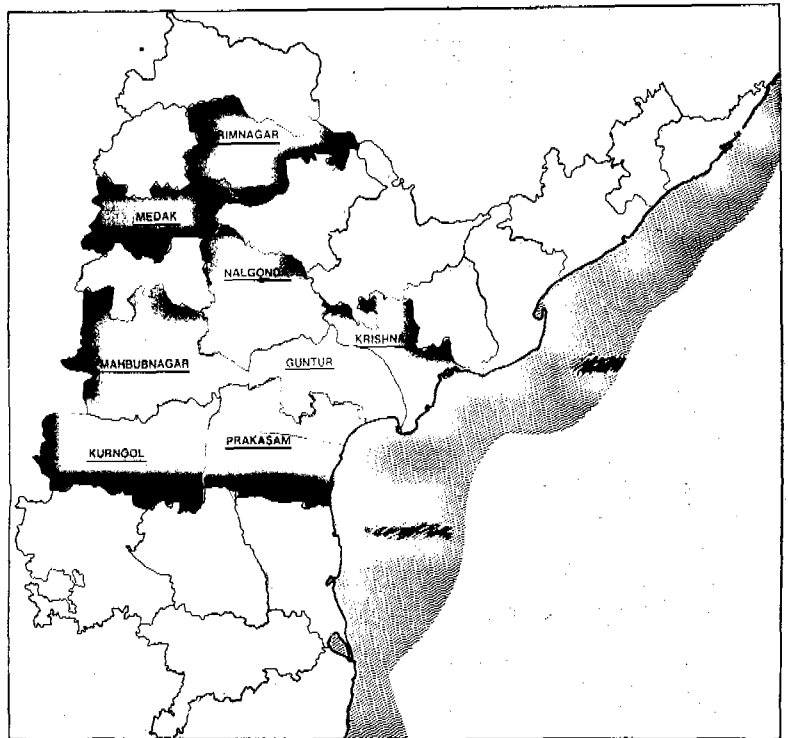
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**NETHERLANDS ASSISTED PROJECTS OFFICE  
HYDERABAD - 500 027**

**QUARTERLY  
PROGRESS  
REPORT**

**OCTOBER TO DECEMBER 1994**

BAR CODE 13614  
822 INAN94

## LIST OF ABBREVIATIONS

AIRDS	local NGO
AP	Andhra Pradesh
AP-I	First generation of Netherlands Assisted projects in AP
AP-II	Second generation of Netherlands Assisted Projects in AP
AP-III	Third generation of Netherlands Assisted Projects in AP
CE	Chief Engineer
CPWS	Comprehensive Piped Water Supply
DC	District Collector
ft	feet
GLSR	Ground Level Service Reservoir
GoAP	Government of Andhra Pradesh
GoI	Government of India
GoN	Government of Netherlands
GP	Gram Panchayat
HC	House Connection
HERSELF	Local NGO
lakh	100,000
MEP	Minimum Evaluation Procedure
MI	Minor Irrigation
MIS	Management Information System
MODE	Mode Research Private Limited
NAP	Netherlands Assisted Projects
NAPO	Netherlands Assisted Projects Office
NEERI	National Environmental Engineering Research Institute
NGO	Non-Government Organization
NS	Nagar Sagar
O&M	Operation and Maintenance
OHSR	Overhead Service Reservoir
PRED	Panchayat Raj Engineering Department
PRFS	Project Reformulation/Feasibility Study on AP-III
PSP	Public Stand Post
PWS	Piped Water Supply
R&B	Roads and Buildings
RSF	Rapid Sand Filtration
RSM	Review and Support Mission
SSF	Slow Sand Filtration
SST	Summer Storage Tank
TRM	Technical Review Mission
WHO	World Health Organization

VDS  
VHPS?

p.27.

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## **1. INTRODUCTION**

NAPO's Quarterly report on the period October through December has been a little delayed due to heavy workloads and a peak in visits and missions during the first few months of 1995.

As NAPO has been busy building up its capacity the QPR October - December provides an update on the improvements in staffing of the office and the activities undertaken to introduce the new staff into the office and the programme.

The QPR also makes an effort to assess the present status of RWS per district in view of the completion of AP II in 1995.

The social components of the project have been presented in a more thematic way, rather than a description per NGO.

NAPO would like to express its appreciation to missions and visitors as well as counterparts for their contributions during this reporting period.



## 2. BASIC INFORMATION

Project Name - NAP - Netherlands Assisted Projects.

Location - Andhra Pradesh - AP II

### Project Components

### Implementing Institution

RWS - 4 Districts - PRED

Sanitation - PRED/NGO-Assist

Lift Irrigation - Minor Irrigation Department

AP Dairy - APDDCFL (Federation)

External Water Quality Monitoring - IPM (Institute of Preventive Medicines)

Health Education/Hygiene Promotion/Community Participation

### NGOs

### District

AIRDS

Kurnool

Mahabubnagar

ASSIST

Prakasam

HERSELF

Kurnool

SNIRD

Prakasam

Monitoring/Support Services/Advisory Services - NAPO / ETC

Consultancies - ETC / IWACO

Reporting Period - October - December 1994

### **3. NAP OFFICE**

#### **3.1 Missions, Meetings and Visits**

##### **3.1.1 Support Mission AP 29**

Mr. J. Spit IWACO conducted Support Mission AP 29 from 26 September to 15 October 1994.

( TOR see appendix )

The mission followed up on the continuation of the inventory of AP II schemes; Operation and Maintenance of the AP II schemes (workshop) and procedures for transfer of O/M of AP II to Gram Panchayats; Support to PRED in further phasing of AP III into plans of operation; review of AP III in terms of environmental aspects; follow up on Darsi master plan; and follow up the activities agreed for Slow Sand Filtration.

The summary of the report AP 29 is included in Annexure I, while the NAPO Quarterly report will refer to AP 29 for technical specifics.

##### **3.1.2 Backstopping Mission**

The Support mission overlapped with a backstopping mission by Mr. H. op het Veld.( 10- 14 October )

This overlap and both missions coinciding with a visit from the Sector Specialist RNE Mr. Flik, drew the backstopping towards ongoing issues such as; inventory / database AP I and AP II; O/M AP II; Planops AP III; sanitation etc, instead of the original agenda of planning and conceptualization of the social components in AP III.

##### **3.1.3 Sector Specialist RNE Mr. P. Flik**

Mr. Flik visited our programme 11 and 12 October.

Mr. Flik met with the missions and discussed the current issues (among which the inventory AP 28), with the missions and NAPO. Meeting were held with the ENC and the Secretary PR & RD.

### 3.1.4 STATE LEVEL COORDINATING COMMITTEE

Preceding the meeting of the State Level Coordinating Committee The Secretary PR & RD had requested Mr. Bhaskara Prasad to liaise with the NAP Office.

End of November a meeting was held with Mr. Bhaskara Prasad, NAPO and PRED, in which the difficulties regarding O/M of NAP schemes were elaborately discussed. Mr. Prasad requested PRED to prepare an overview of the O/M problems for the State Level Coordinating Committee.

The State Level Coordinating Committee meeting was held on 8 December chaired by Secretary A.V.S. Reddy.

During the meeting the main problems on O/M were presented by the PRED, while particulars on many of these issues were discussed and a number of solutions were suggested by the Secretary. ( see minutes in annexure II )

The other major topic of the meeting concerned AP III and preparatory activities for this project.

The need and possibilities of preparations for the social components were also discussed.

As a formal sanctioning of AP III is still awaited It was considered difficult to start with these activities.

### 3.2 NAP Office and Staffing

Since the previous reporting period some significant changes in the staffing of NAP Office have taken place.

In November , after clearance with the local authorities, NAPO/ETC was able to contract the services of Ms. Anu Sharath as Social Programme Coordinator and Mr. Avinash Zutshi as Technical Programme Coordinator.

As these positions are considered vital for NAPO's capability to conduct its monitoring and support tasks, the office is much strengthened with these positions filled with competent persons.

The filling in of these positions has had its bearing on the tasks and position of the function " executive secretary ".

Due to her long standing experience in this office, the function of Mrs. Rebecca Katticaren as executive secretary was overlapping with those of TPC and SPC.

With the latter positions filled in and with the resignation of Mrs. Katticaren, the position of executive secretary has been abolished.

The overlapping tasks have been redistributed to the respective coordinators' functions, while the administrative tasks have been reformulated to the position of an office manager.

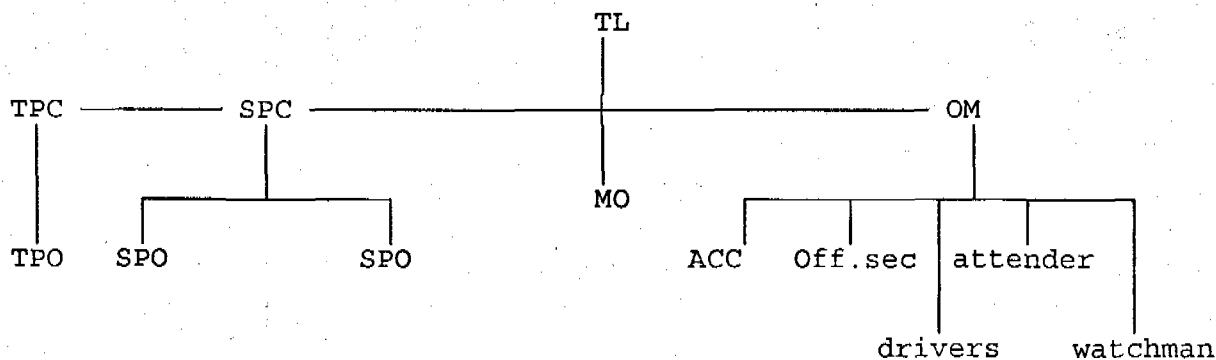
The position of office manager was filled in during December, when the services of Ms. Joyce Gay were contracted for this office.

Meanwhile activities towards hiring a technical project officer and a social project officer are ongoing.

Short listing, interviews and selection will be completed in the next quarter.

Details of NAPO's staff during this quarter :

( TL ) Team Leader	Mr. F. Hanrath
( TPC ) Technical Programme Coordinator	Mr. A. Zutshi
( SPC ) Social Programme Coordinator	Ms. A. Sharath
( ES ) Executive Secretary ( until 21 November )	Ms. R. Katticaren
( EO ) Economic Project Officer	Ms. Kalamani
( SPO ) Social Project Officer	Mr. TDS Kumar
( MO ) Monitoring Officer	Ms. M. Nayani
( OM ) Office Manager (from December)	Ms. J. Gay
( ACC ) Accountant	Mr. Gupta
( OS ) Office Secretary/receptionist	Ms. Kamala
Office Attender	Mr. Shankar
Drivers	Mr. Ismail Mr. Srinivas Mr. Bakkaiah
Watchman	Mr. G. Bahadur



With the newly hired staff, TPC, SPC and Office Manager, NAPO set up an introduction programme to familiarize the new people with the office, the counterparts and the programme. The new staff were introduced to the PRED and the NGO's.

Key documentation was selected to introduce them to the programme, while elaborate discussions were held with the Team leader on the programme, on where we came from and on where we want to go.

Meanwhile the new staff have been actively involved in the research and field visits on alternative setups for the sanitation programme.

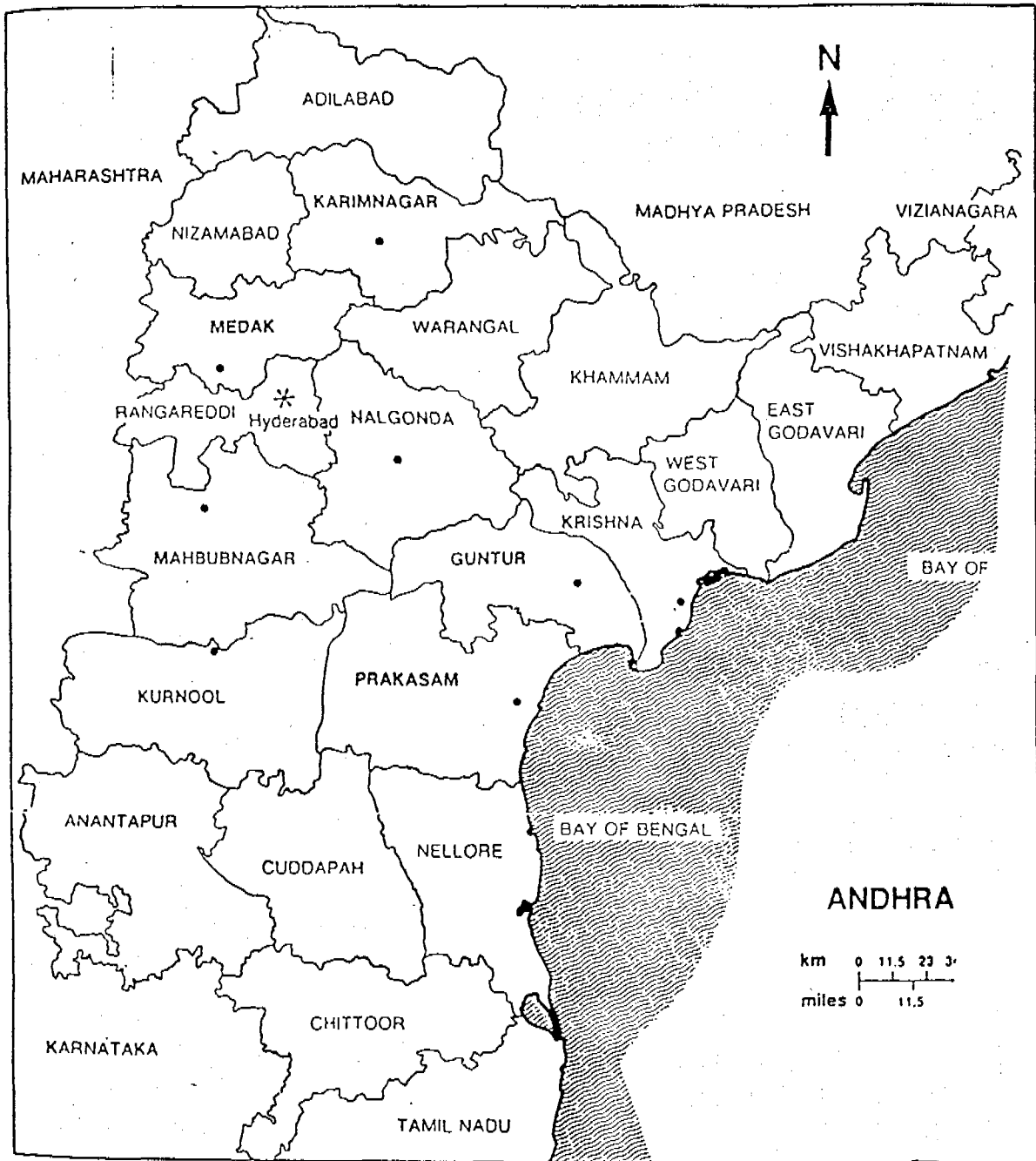
Staff meetings ( two weekly ) were introduced, to review and regularize the tasks to be done. A new routing system for incoming mail and its processing and filing was also introduced, while workload, prioritizing and output of the load is organized and monitored through the staff meetings.

With both the Technical and the Social components NAPO is working on NAPO concepts for review and monitoring. NAPO expects to have the outlines worked out during the next quarter, after the introduction period of the new staff and after having discussed these concepts with the support mission planned for March 1995.

#### 4. NAPO MONITORING AND SUPPORT SERVICES

##### 4.1 RURAL WATER SUPPLY

Map 1: Andhra Pradesh



The report would like to refer to Support Mission Report AP 29 for review of a number of technical specifics.

The AP II project consists of 12 comprehensive schemes (CPWSS) and 33 individual schemes (PWSS), which are implemented over four districts in the following way :

**DATA ON APII SCHEMES AS ON END OF SEPTEMBER 1994**

Project/District	Target Villages	Villages with Water Supply	Population	Source
<b>PRAKASAM</b>				
CPWSS to AB Palem	20			N S Canal
CPWSS to MV Palem	9			N S Canal
CPWSS to Cherukuru	4			Komenur Canal
33 Individual Schemes	37			N S Canal
Total Prakasam	70	69	246000	
<b>KURNOOL</b>				
CPWSS Halvi	26			Tungabhadra River
CPWSS Hanaval	8			"
CPWSS Sathnur	16			"
CPWSS Manchala	7			"
CPWSS Chinnakothiliki	7			"
Total Kurnool	64	3	173363	
<b>MEDAK</b>				
CPWSS Ibrahimpur	46	31		Manjeera River
CPWSS Borancha	32	28		"
CPWSS Kasargutty	29	1		"
Total Medak	107	60	122462	
<b>MAHBUBNAGAR</b>				
CPWSS Chinnamaroor	36	4		Krishna River
Lift Irrigation Scheme	10,000 acres			"
Total Mahbubnagar	36 + 10,000 acr	* 4	106435	
G.Total : 12 CPWSS + 33 PWS	277 + 10,000 acres	136	648260 + 10,000 acres irrigation facilities	

Note : \* 4 no. of villages have been provided water supply from backflow of Krishna River into Bakkam Tank.

Information is as per the re-imburement claims of September 1994

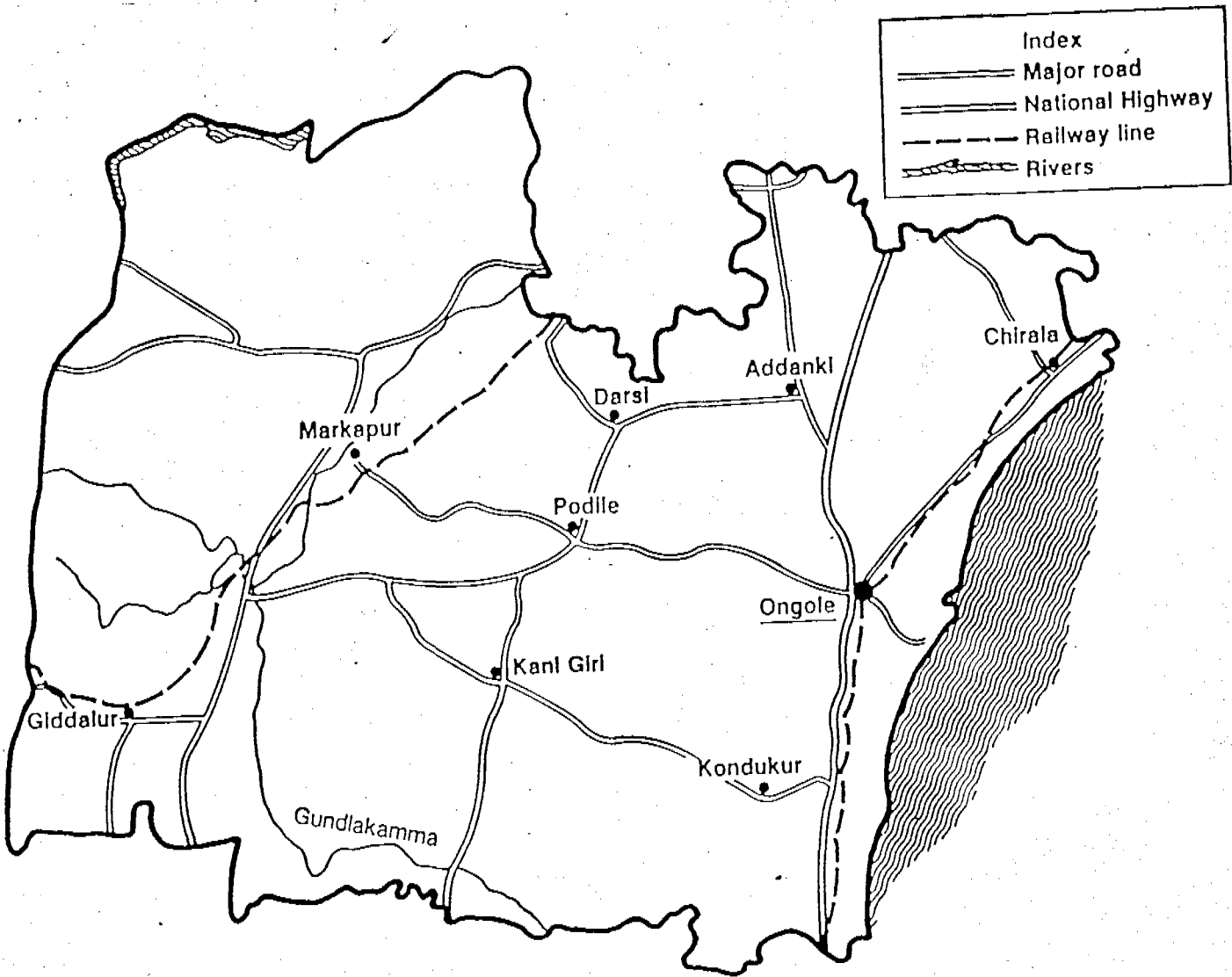
NAPO's present review is based on review of the Quarterly reports received from PRED, field visits by NAPO and Support Mission AP 29, discussions with PRED officers and initial field visits (as part of the introduction of the newly hired technical staff in NAPO).

In view of the nearing completion NAPO has made an effort to assess the present situation per district.



STATUS PER DISTRICT

4.1.1 Prakasam :



The project in Prakasam consists of three comprehensive schemes and 33 individual schemes, providing RWS for 70 villages.

Water is drawn from NS Canal and Komenur Canal.

69 Villages are already receiving water .

**The status of the main components is assessed as follows :**

**1) Summer Storage Tanks**

The proposal included 40 SSTs. 13 SSTs have been reported as deleted, 26 of the remaining 27 are completed, while one SST is nearing completion.

**2) Filters**

The project provides for 27 filters of which 20 are completed and 6 are in various stages of completion, while one filter still has to be taken up.

**3) Raw water mains**

Out of a total of 69655 kms. of pipes (Group IV - Individual Schemes), 68879 kms. has been laid and 54499 kms. has been tested. The balance of 766 kms. still has to be laid.

**4) Clear water mains**

Out of the total of 55340,- kms. of pipeline 726,- was remaining to be laid since June 1994. During this quarter no progress was indicated.

**5) OHSR (overhead service reservoirs)**

Against a total of 35 reservoirs 31 are completed, three in various stages of completion, while on one no activity or action has been taken yet.

**6) Raw water wells**

Out of 53, 41 raw water wells have been completed, another three are in various stages on completion, while 9 wells still have to be executed.

**7) Pump houses**

Out of 52 pump houses 39 are completed, 4 in various stages of construction and 9 still have to be grounded.

**8) Chlorinators**

Against a total of 48 chlorinators 42 have been grounded , while 6 remain to be done.

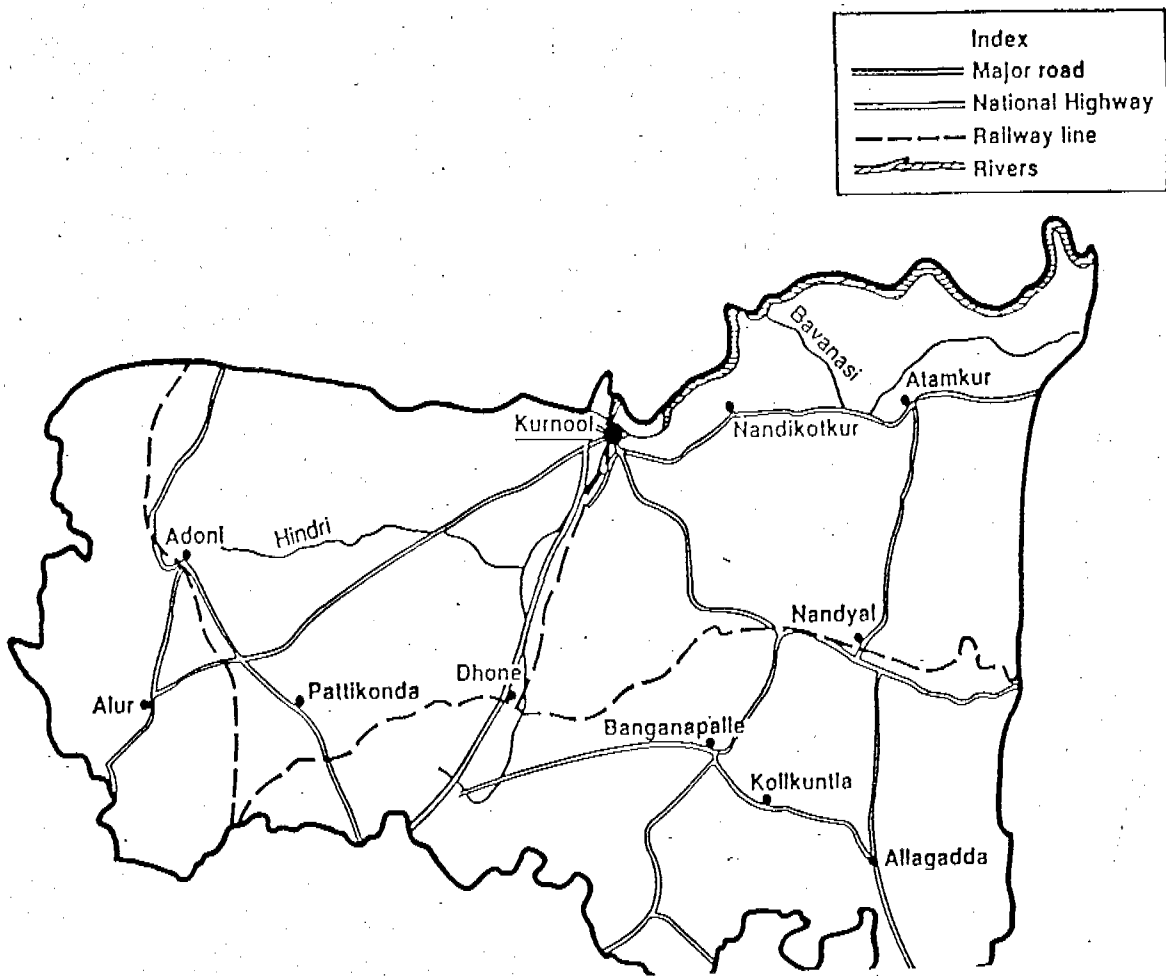
**9) Village Distribution**

Out of a total of 80346,- kms of pipeline, 20264,- remains to be tested , while 1135,- still has to be laid.

Of a total of 230 activities, 100 are not yet listed as completed. Some are minor activities, some are bigger (see above).

Although some major components are not yet completed and some have been deleted (SSTs), 69 of the 70 targeted villages are already provided with water supply .

4.1.2 Kurnool:



There are 5 comprehensive schemes in this project drawing water from the Tungabhadra river. RWS is to be provided to 64 villages. Only three villages are presently receiving water.

**Status of main components :**

**1) Filters**

Out of 7 filters, three have been initiated and are under construction, one of which is nearing completion.

4 filters have yet to be initiated.

**2) SST (Summer Storage Tanks)**

Out of three tanks one is completed and tested, two have been grounded and are under construction.

**3) Raw and Clear water wells**

None of the units have been completed or commissioned.

**4) Pump houses and pumping units**

Out of 12 pump houses 8 have been grounded.

Out of 23 pumping units 15 units have been taken up.

Scheme-wise the following remains to be done :

**Halvi and 25 other villages : main infrastructure completed.**

Remaining : pumping main from filter plant to filter bed, off-take chamber, gravity main from sedimentation tank to SSF to clear water well.

**Hanawal and 7 other villages :**

Many important components such as SST, SSF, Raw water wells and pump houses, clearwater wells and pump houses, pump sets and laying of pumping main and gravity main for these components have yet to be completed.

**Sathnur and 15 other villages :**

remaining : raw water connecting mains, filters, clear water mains, raw water pumps and supply gravity main from sedimentation tank to SSF to clear well have yet to be completed.

**Mancherla and 6 other villages:**

Scheme is almost completed except for one OHSR and some distribution works.

**Chinnakothiliki and 6 other villages :**

The scheme is completed in all respects.

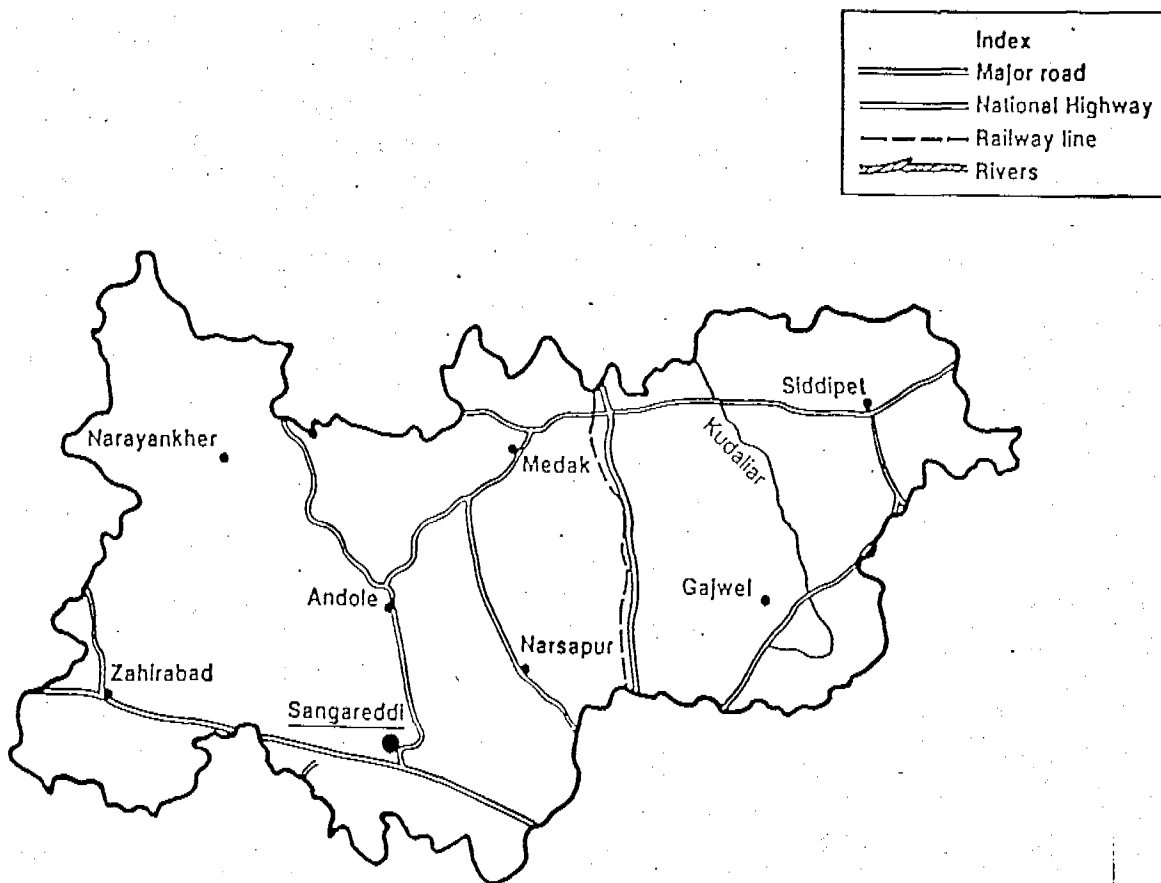
Although work at infra structure level has basically been completed, and financial expenditure of the project has reached 90 %, there are many issues to be addressed before water can actually be delivered.

Halvi, Hanawal and Sathnur require special attention as the progress seems very slow.

NGO HERSELF has also expressed concern about the slow progress and eagerness of beneficiaries to receive water.

So far only a few villages are actually receiving RWS.

4.1.3 Medak



NAP Medak consists of three comprehensive schemes catering to 64 villages and 43 en-route villages.

60 villages were receiving water by the time of this reporting period.

**Status of main components :**

**1) Filters**

Filters used in Medak are Rapid filters, at the side of the Manjeera river.

Out of three filters, two are completed and commissioned, while the third is at the stage of final completion.

**2) Sedimentation Tanks**

All sedimentation tanks have been completed and connected by raw water mains from jack wells.

**3) Clearwater main**

Out of 261 kms. proposed, 250 kms. has been laid, 164 kms. of which has been tested at site.

**4) Overhead and ground level balancing reservoirs**

As per claim ( 25 ) all units are completed, although the QPR December 1994 indicates deletion of 2 GLBRs , 2 sump tanks and 1 pump room.

**5) Overhead service reservoirs (OHSR)**

Out of 4 OHSR's 3 are completed and one is nearing completion.  
QPR December 1994 indicates one more OHSR to be constructed.

**6) Ground level service reservoirs (GLSR)**

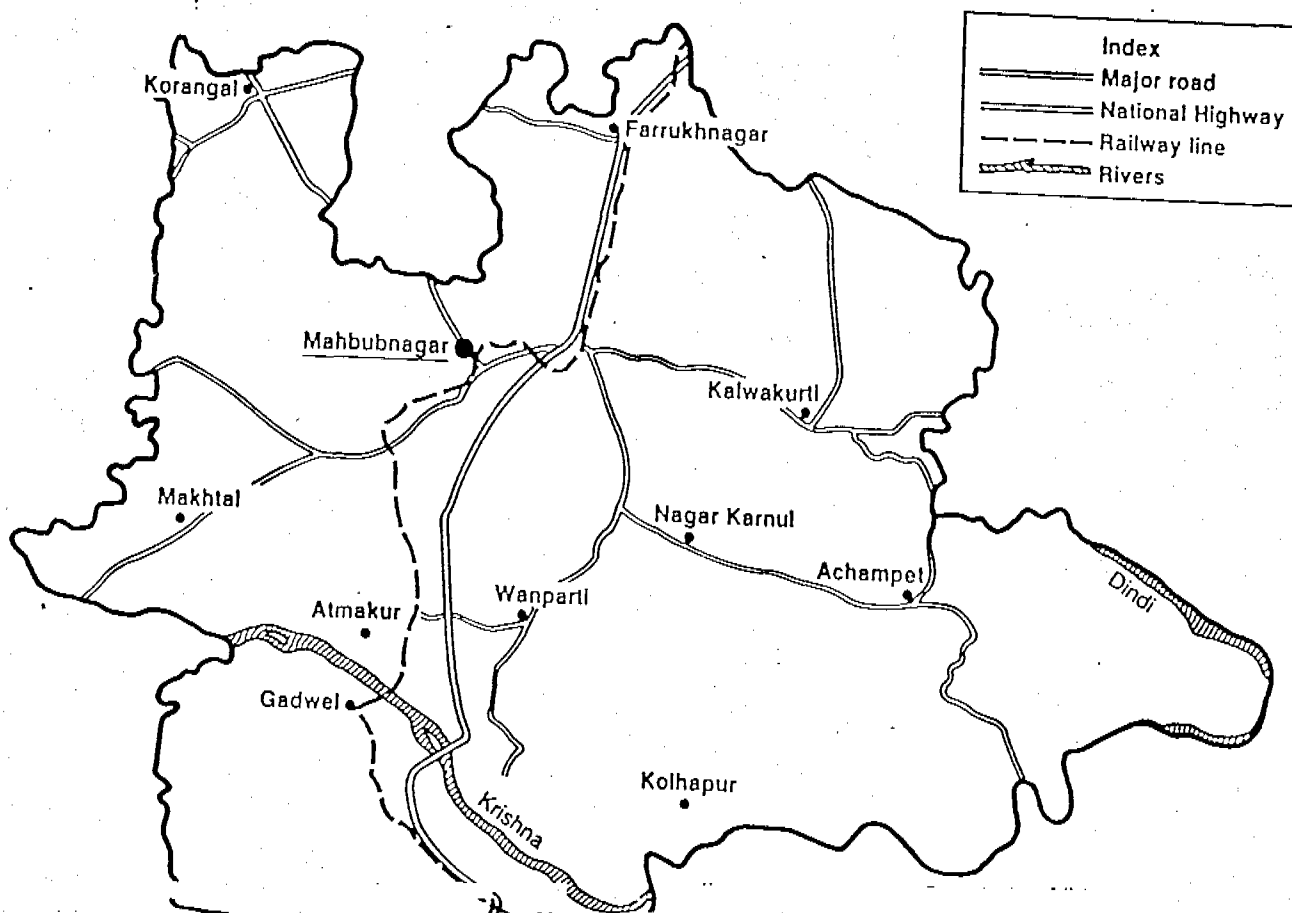
Out of 96 GLSR's, 54 have been completed and tested, 40 are in various stages of completion. According to QPR December 1994 , 2 GLSR's in zone 3 will be dropped, and 1 on zone 1 will be dropped.

The overall project seems well on the way to completion.

Some minor issues still need to be completed, while some components seem to have been deleted. ( GLSR )

Out 350 components/activities 180 still require some minor completions.

#### 4.1.4 Mahbubnagar





The RWS component is combined with the Lift Irrigation project in Mahbubnagar. It will provide protected water to 36 villages with the Bekkam Tank as a source.

The records of the QPR ending December 1994 are confusing as the figures do not tally ( see item 2 and 6 ) Annexure III.

The amount of estimated costs in QPR December 1994 is stated as 780 lakhs, while reimbursement claim indicates a value of 576.47 lakhs.

1) The total costs for balancing reservoirs amounts to 13,09 lakhs, out of which 6.05 lakhs have been spent, the same applies to the service reservoirs where so far 37,5 lakhs out of 55 lakhs have been spent. This seems to indicate that many of the balancing reservoirs and service reservoirs still have to be constructed.

2) Village distribution has an estimated provision of 60.65 lakhs with 29.81 spent so far.

3) The telecommunication link is awaiting to be entrusted.

4) On the Clear Main from Bekkam Tank and the sand filter substantial portions of the work still have to be completed.

5) As water is already provided to a number of villages, while procurement of chlorinators has yet to be done, it is assumed the water given is not chlorinated.

6) Out of a total of works of 128, 87 works have been completed, while 35 are in progress. 4 works seem to have been deleted as indicated in QPR December 1994, These are two transmission mains ( Kaloor to Solipur and Pentlavelly to Pentlavelly ) and two buildings.

Overall it looks like headworks, transmission lines, link channels, balancing reservoirs, service reservoirs and village distribution all need a fair amount of work before they will be completed ( approx 25% ).

PRED may be advised to speed up activities in this district in view of the completion targets that were set.

### Operation and Maintenance

The Support Mission AP 29 held a workshop for O/M

This workshop was provided for all Executive Engineers (EEs) and Assistant Executive Engineers (AEEs).

The purpose of the workshop was to make an operational plan for O/M and to assure adequate O/M for the commissioned schemes.

The workshop specified :

- \* inventory of O/M tasks ( daily, weekly, preventive and repair/curative ) ;
- \* identification of managerial tasks : tasks for PRED; GP NGO ; private party or cooperative,
- \* the manpower needed for execution.
- \* monitoring tasks.
- \* training needs.

As a follow up on the previous discussions on transfer of responsibilities of O/M to Gram Panchayats a pilot transfer for three cases was advised and a procedure suggested.

As follow up and training for SSF and RSF operators as agreed after the SSF workshop conducted by IRC had not yet materialized, PRED was again advised to look into the issue of training the operators. ( see AP 29 pages 11-18)

## INVENTORY AP II

The first part of the inventory, which was made available with the previous QPR/AP 28, was considered a valuable source of information for NAPO and counterparts.

NAPO first intended to extend the inventory of AP II to 100% with the following objectives:

- \* to obtain an overview of the state of affairs and functioning of water supply schemes designed and executed within AP II,
- \* to identify discrepancies/alterations, if any, between approved original design vis a vis actual construction, NAPO would need a data base to be able to make such comparison.  
In NAPO's view the scope of such data base should also be directly related to what is expected of NAPO reporting at the completion stage of the programme.
- \* to obtain a clear view of the state of the schemes at the time ETC assumed responsibility for NAPO.

The scope of the continuation/completion of the inventory is presently under consideration.

The reasons for reconsidering are;

1. an overall inventory would have to be conducted with outside assistance and would be very costly.

2. even on a streamlined/reduced scale and through sampling the costs quoted by local consultants are very high.
3. RNE advised not to concentrate attention on comparing design with the actual construction, but would prefer NAPO to concentrate on the functioning of the schemes, while the state of the schemes at the time ETC took over is not considered a priority.

NAPO is presently reviewing alternatives to extend the inventory on a reduced scale with in house capability and limited external assistance.

### PREPARATIONS AP III

The earlier document towards plan of operations for AP III " NAP-AP III Work plan Integrated RWS Project Nalgonda" ( June 1994 ), was succeeded by the document named " Physical and Financial Targets Year-wise and Quarter wise for Phase I of AP III Nalgonda project."

The latter gives much more detailed breakdowns of the works than the previous and are considered a step forward.

It does however not yet give the breakdown of works and activities and their related sequence and mutual inter- dependence, as needed.

These needs were elaborately discussed and the following steps were suggested :

- \* list the sequence and mutual relations of activities to be executed to facilitate design and implementation.
- \* list the financial requirements and the requirements in terms of human resources for the activities.
- \* list the output or deliverables of these activities
- \* list the time frames for these activities
- \* prepare an outline of project implementation, organization and monitoring formats.

( see AP 29 pages 18-21 and appendix 5)

It was suggested that the next support mission would include a training on how to integrate the activities into a format for a plan of operation, while also the use of available software will be considered.

## 4.2 SANITATION

The ongoing sanitation programme under project clean village showed a completion of 1173 individual latrines out of the total target of 1581.

Since September (926 latrines) 247 latrines were completed during the reporting period.

### PRED (Panchayati Raj Engineering Department)

Abstract:

particulars	May 1993	May 1993 to Dec 1994	Cummulative Dec 1994	Remarks
No. of villages	15	0	15	Originally 18 villages but subsequently 3 villages dropped
No. of Individual Latrines (60% of population proposed)	3724	0	3724	Subsequently target reduced from 3724 to 1581
No. of units sanctioned	876	628	1504	40% of proposed
No. given down payment	857	697	1554	41.7% of proposed
No. of latrines constructed & completed	21	1152	1173	31.5% of proposed & 76% of beneficiary with down payment
No. of units in progress	178	-	101	6.5% of beneficiary with down payment

( for an overview see annexure IV )

The sanitation was discussed between PRED RNE and NAPO, where it was decided NAPO would assist in conducting a preliminary study on alternatives in cooperation with PRED. ( see previous QPR ).

NAPO is conducting an assessment on the status of the clean village project, including the institutional set up and management structures. These are being reviewed with the assistance of the college of social work under the supervision of NAPO staff, and field reviews by NAPO staff.

As discussed and requested by PRED and RNE, NAP Office is presently studying the PRED / UNICEF programme in a number of districts and coordinating with PRED Sanitation Cell and UNICEF representative and staff, to get a full picture of the workings of that programme.

An internal working document , integrating and comparing the observations will be made available in February for further discussions on alternative approaches to the sanitation programme.

Sanitation was also discussed in the meeting of the State Level Coordinating Committee, where the committee observed that sanitation around public stand posts has to be ensured. Lead drains from public stand posts platforms to be connected to side drains / soak pits. The Superintending Engineers were advised by the Secretary to take up the aspects with the JRY (Jawahar Rojgar Yojana) / EAS (Employment Assurance Scheme).

(Refer minutes of the State level Coordinating Committee annexure II)

### ASSIST

Although good progress in the sanitation programme is recorded there are a number of critical notes, including those made by the mission AP 29 ( see report page 5-7 )

The advise of the mission will be followed up by NAPO.

While the mission notes that latrines are left incomplete because of unavailability of materials, it should be kept in mind that this pertains particularly to the availability of the UNDP pans.

As it was earlier insisted this model be used, the NGO was unable to complete the units.

With the unavailability of the UNDP pans, the advise to suspend the implementation until all needed inputs are at hand would have meant suspending the entire construction of latrines.

As is the case with the PRED sanitation project clean village, it has meanwhile been agreed with the mission that locally available pans can be used also.

That will no doubt speed up the completion of the unfinished units.

### 4.3 LIFT IRRIGATION

The main components of lift irrigation, jack well, pump sets, transformers and pressure main, all seem close to completion, but awaiting commissioning since 1994.

In general progress is very slow and this also affects the water supply component. NAPO's monitoring of this project has been difficult as field visits by NAP (expatriates and missions) are discouraged because of security risks.

From progress reports the impression is that progress is slow and the project encounters communication problems between the far off site and the offices in Hyderabad.

The most recent information indicates that the project will be ready for testing by the time water will be available in June/July 1995.

NAP will look into the possibility of a field visit for the next quarter.

Meanwhile the issue of the approval of the revisions is still pending and a revised proposal has yet to be submitted to the RNE.

(Refer to Annex V for comparative Statement of Financial Expenditure).

#### **4.4 EXTERNAL WATER QUALITY MONITORING (IPM)**

Since the last report NAP has suggested to RNE to wind up in such a way that October 1993 is considered the closing date for the project. Steps to wind up the project are expected for the next quarter.

#### **4.5 A.P. DAIRY (APDDCFL)**

Since no changes from the previous situation have occurred NAP suggested to wind up the programme with 31 December 1994 as the closing date. NAP has discussed the details of winding up with the Federation in a meeting on November 2 and has communicated the suggested steps to RNE. No QPR for this period has been received.

## 4.6 THE INVOLVEMENT OF NGOs/COMMUNITY PARTICIPATION

As the experiences in AP I and AP II have indicated RWS and Sanitation is not merely an engineering and technical effort.

The cooperation and participation of the beneficiaries is likewise wanted.

Four NGO's are involved in the programme to enhance the participation of the beneficiaries, HERSELF, ASSIST, SNIRD, and AIRDS.

### Programme Components

#### 4.6.1 Education/Awareness Programmes

The NGO's enhance such participation by means of mass awareness programmes concentrating on awareness on Rural water supply, sanitation and other health related issues.

Concepts of community participation, leadership and leadership training and community contributions are important components in the awareness programme.

Methodologies applied are " small street corner meetings " (SNIRD), meetings with women, village elders and youth groups by ASSIST, AIRDS and HERSELF.

All NGO's make use of audio visual aids and folk and cultural troops.

ASSIST, who is also involved in the actual construction of <sup>sh centres</sup> NGO's also uses demonstrations.

The education awareness programme has resulted in increased understanding and awareness among the beneficiaries of the need to use protected water for drinking and to differentiate between the possible uses that can be made of the various water sources.

The communities have become more health and hygiene conscious and efforts are being made to keep the area around the water source clean.

Predictably these programmes have also led to eagerness to receive quality water and have led to some levels of frustration where delivery of drinking water has been seriously delayed.( e.g. Mahbubnagar )

Such examples underline the need to synchronize the planning and implementation of the technical and social components as is being projected in AP III.

#### 4.6.2 Trainings

Two types of trainings were organised by all the NGOs

- i) Training for the project staff (Core Group) and



ii) Trainings for the different sections of people in the community.

**Staff Trainings**

All the NGOs have arranged for both internal and external trainings for the project staff. The topics dealt with are Cleanliness, health and personal hygiene, group formation, RWS, Sanitation, Communication skills and other related topics.

The methodology adopted was mostly lecture and small group discussions. Audio visual aids were used. The staff were also taken for exposure visits to the headworks to gain better understanding of the scheme. Frequent meetings and interactions with the PRED has facilitated better understanding of the working of the scheme.

**Other Trainings**

The other trainings include:

- a) Leadership training.
- b) Training for women leaders
- c) Training for youth leaders
- d) Training for community leaders
- e) Training for Sarpanches/Village Administrative Officers
- f) Training for Village Development Society members

In addition to the above, SNIRD has arranged for PSP committee members trainings and AIRDS for the beneficiaries of the lift irrigation schemes.

All the trainings focus on Community Participation, formation of groups, their role, responsibilities, RWS, Sanitation, Water Management, Health and hygiene.

The training duration varied from one day to 12 days depending on the need. The number of participants varied from 200 to 750 for the different NGOs.

A separate detailed training inventory of all the NGOs is under preparation.

**4.6.3 Group Formation**

Efforts are made by all the NGOs to form the user groups especially women into committees to ensure participation and to take over water management effectively.

AIRDS has about 128 PSP committees, 20 GLSR committees and 27 Youth Clubs, in the 26 villages they work in.

HERSELF has 33 women groups formed in addition to 28 youth groups. The VACs and water management committees are yet to be formed.

ASSIST has already the Village Development Societies formed and they are registered bodies.

SNIRD has organised 9 GLSR, 19 OHSR, 2 VACs and 198 PSP committees. Care is taken to ensure that the users have membership in one group or the other. Regular meetings are held with these committees and issues discussed. The issues raised for discussion are Community Participation, Community contributions, Water waste, health issues, environment sanitation and O&M.

The importance of recording these meetings and action points was stressed during NAPO visits.

#### 4.6.4 Health Education

All the three NGOs - AIRDS, HERSELF and SNIRD have taken up health education activities, working with the health workers, PHC workers and schools in the villages. School health clubs are formed and selected school Teachers are given specific trainings to take up promotion of health and hygiene activities with the school children.

AIRDS has arranged for 3 trainings of 3 days duration for 72 teachers.

HERSELF has arranged for 2 trainings for school Teachers of 2 days duration, training 27 teachers.

In ASSIST the VDS and VHPS are trained to take up health and sanitation issues.

In SNIRD School health education and formation of school health clubs is being initiated.

For the health workers trainings, AIRDS has arranged for one training of 3 days duration training 30 PHC workers and 3 training of 3 days duration training 72 Dais.(Midwife)

SNIRD has conducted around 96 meetings with the health personnel in order to promote health education.

#### 4.6.5 Review Meetings

Regular monthly/quarterly review meetings are held between the NGOs and the PRED at the Mandal/District level. Meetings are conducted to ensure co-operation between the PRED and the NGO. It has proved to be an effective arena to settle differences and work for the welfare of the community.

AIRDS has these meetings regularly arranged once a month.

SNIRD has been organising the meetings once a fortnight.

ASSIST and HERSELF are yet to organise the meetings in a more systematic way.

#### 4.6.6 Areas That Need Strengthening/Attention

- \* The staff need to be trained for effective time and program management.
- \* Training inputs need to be better organised.
- \* The frequency of visits to the target villages need to be increased and also the quality of inputs during the visits.
- \* The village based organisations and leadership need to be further strengthened.
- \* Linkages with other development agencies and Government to be strengthened.

#### 4.6.7 NAPO's Support

- \* NAPO's advise has resulted in the NGO's preparing monthly/quarterly action plans against monthly/quarterly budget allocations
- \* An inventory of the training component of each of the NGO is under preparation. The information generated from this will be used to prepare a training plan for the future.
- \* NAPO's involvement/monitoring has resulted in frequent and qualitative meetings between the Government and the NGOs.

#### 4.6.8 NAPO's Field Visits

Prakasam	ASSIST/PRED (October)
Mahbubnagar	AIRDS
Prakasam(Parchur/Darsi)	PRED
Coastal Districts	UNICEF/PRED

Early November the requested cooperation of NGO MARI in the NAP Programme to take up the proposed work in sanitation related health and awareness trainings was approved by the Andhra Pradesh Government, Secretary PR and RD.

The approval has been communicated with RNE who will take the necessary steps to prepare the official contract with MARI.

#### 4.6.9 NGO Budgets and Expenditure

NGO Budget/Expenditure - December 1994

NGO Name	Project Outlay	Total Budget (in lakhs)	Released by RNE	Expenses Dec '94	Balance with NGO	Balance Available	Balance to be received
AIRDS	Jan '93 - Dec '95	3154463.13	2373494.96	2102628.39	270866.57	1051834.74	780968.17
HERSEL	Jan '94 - Dec '95	775684.00	487987.38	415065.89	72921.49	360618.11	287696.62
ASSIST	May '94 - Apr '97	10056514.28	1640446.00	1136433.98	504012.02	8920080.30	8416068.28
SNIRD	Jul '94 - Jun '97	2906320.09	649258.50	320058.09	329200.41	2586262.00	2257061.59

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**5. ANNEXURES**

*ANNEXURE I*

*SUMMARY AP-29*

## SUMMARY

## CONCLUSIONS, RECOMMENDATIONS AND ACTIONS

### PARCHUR SCHEME

#### Conclusions

- sanitation project: at this stage the observation of NAPO must be reiterated that PRED has failed in implementing the sanitation project successfully;
- raw water augmentation GP schemes: some GPs lack interest and technical skills to operate and maintain their schemes;
- training operators SSFs: in contrast to what has been communicated to the mission, none of the SSF operators received proper training. They operate the schemes at a less than satisfactory level;
- depending on the differences in level between the inlet at the canal and the outlet at the SST, there might be scope for improving the design of the intake at Nuthalapadu minor;
- filling SSTs A.B.Palem: the operation of SSTs requires improvement;
- operation SSF A.B.Palem: the recommendations of NEERI have not been implemented yet;
- operation GP schemes: provided the Sarpanch takes interest, the GP is well capable of O&M of rural water supply schemes.

#### Recommendations

- sanitation project: the mission recommends that the PRED finalizes the construction of the latrines already started and refrains from implementing any new latrines. NAPO and PRED should further sort-out the financial implications. The mission advises NAPO to analyze the data collected during the sanitation survey executed earlier this year;
- raw water augmentation GP schemes: the PRED should assist and guide the GPs further in improving the water quality of these schemes;
- training SSF operators: the PRED should inform NAPO on the real situation. PRED should prepare a training schedule so that all SSF operator staff is being trained in 1995/1996;
- study the possibility to improve the design of the intake at the Nuthalapadu minor;
- filling SSTs A.B.Palem: all tanks should be filled at the start of the dry season so that the full capacity can be used;
- SSF A.B.Palem: implement the recommendations of NEERI;
- operation of GP schemes: to identify villages with 'strong' Sarpanches where WS schemes can be handed over to GPs on a pilot basis so that the burden on PRED is reduced.

#### Actions

During the debriefing with the E-n-C on 15 October 1994, the following decisions on actions were taken:

- sanitation project: both PRED and NAPO will investigate why the implementation of the sanitation project failed. NAPO will study the approach in UNICEF sanitation programs;
- training of SSF and RSF operators: PRED will prepare a training plan for the operators and will allocate funds for the training;
- intake Nuthalapadu: PRED will study the possibility to improve the intake;

- SSF A.B.Palem: PRED will implement the NEERI recommendations immediately;
- PRED will identify suitable GPs for the handing over of schemes on a pilot basis.

### SANITATION PROGRAM ASSIST

#### Conclusions

In general, ASSIST implements in a serious way the sanitation project entrusted to the organization, but there are some developments which jeopardize the demonstration and replicability aspects of the project.

#### Recommendations

To shape the project into a real sanitation demonstration project, the following measures need to be taken:

- reporting: improve reporting and reflect the actual field situation. Discuss required deviations from the original concept with NAPO so that NAPO is not confronted with a 'fait accompli';
- technical improvements: improve leaching capacity of the pits by increasing the number of holes in the concrete rings. Also the use of a cement/sand/gravel ratio of 1/0/4 could be contemplated in stead of 1/2/4. Usually the pits are constructed before embarking on the superstructure;
- replicability of techniques: construction of the latrines by local masons only, even if that would mean the use of less advanced techniques such as honey-comb masonry in stead of pre-fab concrete rings;
- organization: suspend the implementation until all items are at hand, so that the implementation can be finalized within two weeks. In stead of insisting on the use of the UNICEF squatting pan type with the steep slope (aimed at reduced use of water), the use of local squatting pans could be tolerated as the availability of water is not an important point. Technically, there are not many problems to be expected;
- demonstration: the construction of latrines at public areas as schools could improve the dissemination effect of the project;
- finances: the subsidy on the project, especially for the 'rich' should be reduced. In stead of insisting on a single instalment, the spreading of payment into say 12 monthly instalments needs to be contemplated, possibly via a local bank. Alternatively, the costs of the latrines could be reduced by:
  - \* leaving the construction of the superstructure up to the beneficiaries;
  - \* leaving the finishing of the superstructure up to the beneficiaries (plastering, door, roof);
  - \* reducing the thickness of the concrete blocks.

### INVENTORY STATE OF AFFAIRS AP-I/II

NAPO intends to extend the inventory to 100% of the AP-II villages with the following objectives:

- to obtain an overview of the state of affairs and performance of water supply schemes designed and executed within the framework of AP-II;
- to identify the deviations, if any, from the approved original technical design vis-a-vis the actual construction;
- to obtain a clear overview of state of the schemes at the time ETC assumed the task of NAPO.



In AP-II, a total of 261 villages remain to be covered in 12 comprehensive schemes and 35 individual schemes.

The tasks to be executed in the inventory are the following:

- collection of design memoranda and drawings from PRED;
- inspection of the schemes and villages and analysis of the field data;
- comparison of the design data with the actual field situation;
- recommendation of possible improvements;
- interaction with NAPO and reporting.

As MODE consultants were involved in the development of the inventory, the mission proposes to contract the survey to them. The need for a further inventory of AP-I needs to be studied by NAPO.

#### OPERATION AND MAINTENANCE AP-II SCHEMES

##### Conclusions

- budgets: at present the proposed O&M budgets are not 100% allocated, they are fouled with items for investments and include up to 20% overhead. Of the allocated budget, some parts are not factually spent, like e.g. electricity;
- pilot project: there is scope for a pilot project where O&M is transferred to the GP;
- monitoring by NAPO: there are many monitoring tasks for NAPO, but adequate monitoring is impaired by the present PRED practices;
- training: at present the PRED has not yet trained the operators of SSF/RSF installations although reports indicated otherwise.

##### Recommendations

- budget: PRED O&M estimates should represent real O&M costs in an unambiguous way. The overhead should be reduced. Once approved, these budgets should also be allocated and spent;
- pilot project: PRED should identify a GP which is suitable for a successful transfer of O&M on a pilot basis after following the handing over procedures;
- monitoring NAPO: NAPO is to explore together with the RNE and E-n-C what possibilities exist to execute its monitoring tasks;
- training: PRED should prepare a realistic training plan for 95/96 including training of all SSF and RSF operators.

##### Actions

During the debriefing with the E-n-C on 15 October 1994, the following actions were identified:

- PRED will identify three pilot schemes (one poor village, one rich village and one medium income), where the system will be transferred to the GPs;
- PRED will prepare guidelines and procedures for the transfer.

The contents for appendix IV, prepared by the PRED, was not accessible. Hence, the major part of it still needs to be finalized:

IV-1: outline of O&M tasks;

IV-2: personnel involved in AP-II and O&M budgets;

IV-3: task descriptions and job cards;  
IV-4: training needs AP-II.

### PHASING AND PLAN OF OPERATIONS AP-III SCHEME

#### Conclusions

The present PRED documents do not fulfil the objectives of a plan of operations.

#### Recommendation

The mission recommends that the PRED prepares a thorough plan as soon as possible. During the next support mission (February 1995) PRED could be further guided on the development of a plan of operations.

### DARSI CPWS SCHEME

#### Conclusions

There is insufficient basis to support the 'masterplan' proposal on Darsi. Apart from connecting needy villages to the Darsi network, few interventions seem to be required. If the matter of house connections would be taken up seriously, there would be no need for funds from RNE.

#### Recommendations

The recommendations of RSM AP-26/27 are reiterated:

- develop a framework for the development of water supply in the form of a Masterplan;
- collect field data on losses in SST and analyze the cause of the problem;
- execute a pre-feasibility and feasibility study to assess alternative methods to overcome possible shortcomings in raw water pumping and storage.

PRED could employ a consultant to produce these reports.

#### Actions

During the debriefing with the E-n-C on 15 October 1994, the E-n-C took notice of the comments of the mission but decided to send the present proposal with minor changes to the Embassy through GoI.

### ACTION PLAN SLOW SAND FILTRATION

#### Conclusions

Although there have been no tangible results of the work of the Advisory group for SSF, PRED is expected to start to work actively on the actions proposed during the workshop.

#### Recommendations

The mission recommends that the CE closely monitors the progress on the actions and makes budgets available should the need arise.

#### Actions

During the debriefing with the E-n-C on 15 October 1994, the E-n-C gave his support to the proposed actions mentioned in section 8.3.

*ANNEXURE II*

*MINUTES OF STATE LEVEL COORDINATING COMMITTEE  
ON RWS/NAP PROGRAMME HELD ON 15-11-1994*

GOVERNMENT OF ANDHRA PRADESH  
PANCHAYAT RAJ RURAL DEVELOPMENT & RELIEF DEPARTMENT

Memo. No. 66787/RWS.III/A1/94-2. Dated: 8.12.1994.

Sub: Minutes of the 2nd "State Level Committee on EWS/NAP Programme" meeting held on 15.11.1994 in the Chambers of Principal Secretary, Panchayat Raj, Rural Development & Relief Department - Communicated.

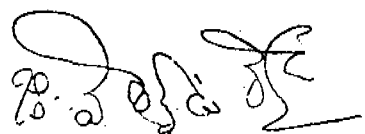
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A copy of the Minutes of the 2nd "State Level Committee on Rural Water Supply / Netherlands Assisted Project Programmed" Meeting held on 15.11.1994 in the Chambers of Principal Secretary to Government, Panchayat Raj, Rural Development & Relief Department is communicated herewith to the concerned for taking necessary action on the items pertaining to them.

P. BHASKAR PRASAD,  
Addl. Commissioner (Relief) to Govt. &  
E.O. Joint Secy. to Govt.

To  
The Engineer-in-Chief, (P.R.),  
Hyderabad (We) (By name cover)  
The Secretary,  
A.P.S.E.Board, Vidyut Bhudha,  
Hyderabad (We.)  
The Team Leader, N.A.P. Office, Bharkatpura, 42/3 Rt.  
Hyderabad - 500021. (We)  
The Commissioner, P.R. (We)  
Hyderabad (By name cover)  
The Director, Health Services, (We)  
(By name cover)  
The Superintending Engineer (P.R.),  
Nalgonda (We) O/O the ENL, P.R., Hyderabad  
(By name cover)  
The Superintending Engineer (P.R.),  
Ongole, Prakasam Dist. (We)  
(By name cover)  
Copy to:  
P.S. to Prl. Secy. P.R.R.D. & R. Dept. (We)  
P.A. to Addl. Commissioner (Relief) & E.O. Joint  
Secretary to Government. (We)  
Copy to Estt. I Section, P.R.R.D. & R Dept. (We)  
Copy to RWS.I & II Sections,  
Copy to J.R.Y. III Section.  
The C.D.O., O/O the Engineer-in-Chief (PR), Hyderabad.  
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MINUTES OF THE 2ND "STATE LEVEL COMMITTEE ON RWS/NAP PROGRAMME" MEETING HELD ON 15.11.1994, IN THE CHAMBERS OF PRINCIPAL SECRETARY, PANCHAYAT RAJ, RURAL DEVELOPMENT AND RELIEF DEPARTMENT.

\*\*\*\*\*

( Participants list enclosed )

The meeting was Chaired by Sri A.V.S. Reddy, Principal Secretary, Panchayat Raj, Rural Development and Relief Department.

At the outset, the Operation and Maintenance ( O & M ) problems were discussed and it was decided that

- a) The Principal Secretary (Panchayat Raj) would hold a separate meeting with Andhra Pradesh State Electricity Board regarding Power Supply for Netherlands Assisted Programme Schemes in Narayankhed Area of Medak District and other H.A.P. Districts.
- b) Panchayat Raj Engineering Department (P.R.E.D.) may provide transport to Andhra Pradesh State Electricity Board officials to attend to restoration of power supply in case of Comprehensive Protected Water Supply Schemes (CPWSS) wherever necessary.

( Action ENC (PR) & Secy, APSEB.

- c) The Engineer-in-Chief (Panchayat Raj) requested to expedite sanction of regular staff as proposed. However, possibility of entrusting operation and Maintenance ( O & M ) on contract basis may also be explored by Engineer-in-Chief (Panchayat Raj)

( Action RWS Wing, Sectt + ENC (PR)

- d) funds required for Operation and Maintenance ( O & M ) may be released as proposed by Engineer-in-Chief (Panchayat Raj) for 94-95 as per Budget provision.

( Action RWS Wing, Secretariat)

- e) The Engineer-in-Chief (Panchayat Raj) has informed that A.P.III, N.A.P. Aided Project has the House Service Connection as an integral component. The issue of House Service Connections was discussed at length and it was felt that the capacity of the drinking water source should be assessed and the number of House Service connections decided as per feasibility.

P.T.O.

- f) Central Design Organisation (CDO) to be requested to examine all aspects of Ramasamudram Tank to be used as an Summer Storage Tank (SST)
- g) For conducting survey of households to assess the potential of House service connections, the methodology adopted in Nellore District can be made use of.

PRED/WAP-Office may evolve and supply Formats required for such a survey.

- h) The cost of survey and other preparatory work may be met from out of (MNF) Plan funds available in 1994-95 allocations.
- i) Vehicles required for survey may be deployed by Engineer-in-Chief (Panchayat Raj) from out of the existing Department's vehicles and may also be hired if necessary.
- j) Staff-required for survey other than provincial may be engaged on contract basis.

SANITATION:

- a) The A.P.II Sanitation Programme is reviewed. Engineer-in-Chief (Panchayat Raj) has informed that Embassy has agreed to meet the extra amount required for completing in-complete units where unit cost is more than the ceiling rate from out of accrued interest.

The balance amount may be arranged by Superintending Engineer (Panchayat Raj) or by the (District Collector) under loaning programme.

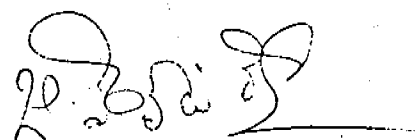
- b) The Committee observed that the sanitation around Public Stand Posts has to be ensured on top priority. The lead drains from Public Stand Post platforms to be connected to side drains/ soak pit. The Superintending Engineers are advised to take steps to devetail these aspects with Jawahar Rojgar Yojana (JRY) / Employment Assurance Scheme (EAS) programme.

The Team leader observed that Sanitation Programme is behind schedule as there are Technical and managerial problems.

PRED/UNICEF together will examine and suggest modifications if any needed to speed up the sanitation programme.

A.V.S. REDDY,  
PRL. SECRETARY TO GOVERNMENT.

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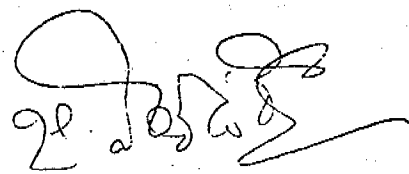
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- |    |   |                  |
|----|---|------------------|
| 1. | A.V.S. Reddy, IAS.,<br>Principal Secretary,<br>Panchayati Raj, Rural<br>Development & Relief<br>Department. | Chairman         |
| 2. | R. Kondala Rao, B.E.,<br>Engineer-in-Chief,<br>Panchayati Raj.  | Member Secretary |
| 3. | Frank Hanrath,<br>Team Leader,<br>NAP - Office,<br>Hyderabad.   | Member           |
| 4. | P. Bhaskar Prasad, IAS.,<br>ADDITIONAL COMMISSIONER<br>Relief (PR)  | Member           |
| 5. | N.V.H. Sastry, IAS.,<br>Commissioner,<br>Panchayati Raj.  | Member           |
| 6. | S.P. Takker, IAS., -<br>Additional Commissioner,<br>Relief (PR)   | Member           |
| 7. | Dr. Nanda Raj Singh,<br>Director,<br>Health Department.   | Member.          |
| 8. | G. Narayana Reddy,<br>Superintending Engineer<br>Panchayati Raj,<br>Nalgonda.                               | Member           |
| 9. | K. Tarupathiah,<br>Superintending Engineer,<br>Ongole.  | Member           |

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*ANNEXURE III*

*ABSTRACT STATEMENTS OF PRED QPRs UPTO*

*DECEMBER 1994*



ARTERLY PROGRESS REPORT FOR THE QUARTER ENDING DECEMBER 1994  
N.A.P. N.P. II-MEDAK DISTRICT PROJECT N.A.P. DIVISION CHENNAI

Sl. No.	Name of Sub-Head	Provision in Exp. up to R.R. of N. Sep. '94 1088 Lakhs	Exp. from 10/94 to 12/94.	Exp. up to December '94	
1.	2.	3.	4.	5.	6.
1.	CLASS Ibrahimur and 24 other problem Villages.	356.470	330.374	1.337	331.711
2.	CLASS Borancho and 29 other problem villages.	216.260	188.064	2.503	190.052
3.	CLASS Karaguthy and 17 other problem villages	193.920	157.979	1.117	159.996
4.	Buildings incl. D.S. and TRF.	31.620	30.901	0.060	30.970
5.	Cost of materials procured but not allocated to works such as III Valves, Spile, and G.I. Pipes etc.	-	23.272	(-)1.156	21.416
6.	Cost of cement and steel procured but not allocated to works.	-	16.074	(-)2.400	13.638
7.	Subsidy paid to AISEB incl. constn. of D.S. Structures.	15.50	13.370	0.318	12.845
8.	CLASS Ibrahimur 21 Entroute Villages.	66.39	34.364	3.164	37.528
9.	CLASS Borancho 11 Entroute Villages.	36.26	21.997	4.076	26.063
10.	CLASS Karaguthy 11 Entroute Villages.	41.96	27.767	4.994	32.751
11.	Major Establishment charges	70.72	127.118	4.149	131.267
12.	F.S. Charges	37.71	20.515	1.964	21.579
13.	Tools and Plants and Storage	12.43	8.957	-	8.957
14.	Telephone Connections	6.00	-	-	-
15.	Other Unforeseen items.	2.76	0.090	-	0.090
<b>GRAND TOTAL:</b>		<b>1088.00</b>	<b>999.732</b>	<b>19.402</b>	<b>1019.134</b>

EXPENDITURE INCURRED ON OPERATION AND MAINTENANCE (1994-95) Rs. 12.50 13.373 3.305 22.178 (Released for O & M 94-95)

NOTE: All figures are Lakhs.

*(Signature)*  
 Executive Engineer, (IR)  
 N.A.P. DIV. S. II CHENNAI  
 4/11/95

PANCHAYATRAJ ENGINEERING DEPARTMENT  
NETHERLANDS ASSISTED PROJECTS-YEMMIGANUR DIVISION-KURNOOL DISTRICT.  
ABSTRACT OF QUARTERLY PROGRESS REPORT FOR THE QUARTER ENDED BY DECEMBER 1974

(Rs. In Lakhs)

ZONE	Orig-inal Est. Cost	Revi-sed Est. Cost	R.R.E	Cont-ract Value	TARGETS		EXPENDITURE		EFFICIENCY		Plan For Next Quarter
					This Quarter	Cumula-tive	This Quarter	Cumula-tive	This Quarter	Cumula-tive	
1. CPWSS to Halvi & 25 Other villages	166.19	254.19	282.18	282.18	0.00	282.18	1.54	244.10	0.00	86.51	282.18
2. CPWSS to Hanawal & 5 Other villages & 2 PWS	86.52	144.67	167.63	167.63	0.00	167.63	2.70	120.50	0.00	71.08	167.63
3. CPWSS to Sathanur & 15 Other villages	100.00	232.57	246.60	246.60	6.00	246.60	5.95	166.51	99.17	67.50	246.60
4. CPWSS to Manchala & 6 Other villages	49.28	77.19	85.91	85.91	0.00	85.91	0.86	80.48	0.00	93.68	85.91
5. CPWSS to Chinnakothiliki & Other villages	42.77	77.58	86.15	86.15	0.00	86.15	0.35	78.93	0.00	91.64	86.15
6. Administrative Complex @ Yemmiganur	19.40	21.26	21.25	21.25	0.00	21.25	0.00	18.22	0.00	85.74	21.25
7. Steel & Cement Procured	0.00	0.00	0.00	0.00	0.00	0.00	0.05	96.52	0.00	0.00	0.00
8. Steel & Cement Booked on Works	0.00	0.00	0.00	0.00	0.00	0.00	-2.30	-73.33	0.00	0.00	0.00
9. P.S.Charges & Contingent Charges	21.64	32.30	35.59	35.59	0.27	35.59	3.81	70.14	***.4*	197.08	35.59
10. R.S.Charges	40.58	60.56	66.73	66.73	0.53	66.73	4.11	127.61	775.47	191.23	66.73
11. I & P Charges	5.41	8.07	8.90	8.90	0.08	8.90	0.00	10.71	0.00	120.34	8.90
12. L.S.Provisions	130.46	39.54	36.91	36.91	36.91	36.91	0.90	5.57	2.44	15.07	36.91
13. Others	2.07	2.07	2.07	2.07	2.07	2.07	0.00	0.18	0.00	23.19	2.07
	741.20	950.00	1040.00	1040.00	45.86	1040.00	17.97	946.46	39.18	91.01	1040.00

SUPERINTENDING ENGINEER(P)  
P.R. CIRCLE  
KURNOOL

EXECUTIVE ENGINEER(M)  
N.A.P. DIVISION  
YEMMIGANUR

## ABSTRACT PROGRESS REPORT FOR QUARTER ENDING DECEMBER, 1994 NAF KOLLAPUR

Sl. No.	Name of the work	Estt. cost in Lakhs	Revised estimate cost	Upto last year 3/94	EXPENDITURE		Total	Cumulat Expendit in Lakhs
					Upto end of previ-ous Quarter	During the Quarter		
1	2	3	4	5	6	7	8	9
1.	Head works	75.15	90.75	71.70	1.15	2.38	3.53	✓ 75.23 ✓
2.	Transmission line including CI Spl. & pump sets	277.98	317.70	276.81	5.63	3.14	9.77	✓ 285.58 ✓
3.	Link Channel	-	55.00	46.57	-	4.30	4.30	50.87 ✓
4.	Balancing Reservoirs	43.83	13.09	5.13	0.92	-	0.92	✓ 6.05 ✓
5.	Servicing Reservoirs (GLSR and CHSRs)	--	55.00	34.12	0.66	2.72	3.38	✓ 37.50 ✓
6.	Village Distribution	60.85	60.65	20.16	7.52	2.13	8.51	✓ 29.81 ✓
7.	Buildings	36.28	25.12	20.00	0.09	-	0.09	✓ 20.09 ✓
8.	KM and HM stones	1.01	-	0.60	-	-	-	✓ 0.60 ✓
9.	Steel	-	-	17.40	-	-	-	✓ 17.40 ✓
10.	Establishment @ 12.5 on 506.27	68.28	70.23	87.28	-	-	-	✓ 87.28 ✓
11.	Cement	-	-	10.26	10.26	-	-	✓ 10.26 ✓
12.	D.P.A.P.	12.44	77.28	77.37	77.37	-	-	✓ 77.37 ✓
13.	CEs office Building vide Lr.No.DB/1173/91-92	-	-	3.00	-	-	-	✓ 3.00 ✓
14.	L.S.Fluctuation of rates	-	10.00	-	-	-	-	-
15.	L.S. for Telecommunication	-	5.18	670.90 ✓	-	-	-	-
		744.16	780.00	674.97	15.97 ✓	14.67 ✓	30.64 ✓	701.04 ✓
16.	Establishment charges C & M	-	-	-	2.34	2.40	4.82	4.82
		744.16	780.00	670.60	18.31	17.07	35.46	705.58

*ANNEXURE IV*

*SANITATION - CUMMULATIVE STATEMENT SHOWING  
FINANCIAL & PHYSICAL PROGRESS OF SANITATION*

**CUMULATIVE STATEMENT SHOWING THE FINANCIAL AND PHYSICAL PROGRESS REPORT  
ON SANITATION IN AP-I & AP-II OF PRAKASAM & GUNTUR DISTRICTS**

13-Apr-95

(Rs. in Lakhs)

Sl. No.	Month	No. latrns Proposed	Target	Units Sanctind	Benific Contrib	Units Complet	Wrk in Pgrss	Expenses			Cum. Expense (RNE release+ GOAP+Interst + Ben.contrbn)	Balance with PRED
								Prev. Exps.	Currnt Exps.	Cumltv.		
1.	May '93	3724	3724	876	857	21	178	11.39	6.03	17.42	19.350	1.930
2.	June '93	3724	3724	1151	1151	31	388	10.71	0.89	11.60	14.060	2.460
3.	July '93	3724	1625	1251	1413	31	441	11.60	0.70	12.30	14.060	1.760
4.	Aug '93	3724	1625	1488	1488	56	524	12.30	2.43	14.73	15.800	1.070
5.	Sept '93	2187	2187	793	793	62	423	7.73	0.30	8.03	8.710	0.680
6.	Oct '93	3724	1625	1547	1547	314	370	14.77	1.35	16.12	15.800	-0.320
7.	Nov '93	3724	1625	1547	1547	314	381	16.12	0.31	16.43	17.860	1.430
8.	Dec '93	3724	1623	1534	1534	277	405	16.43	1.53	17.96	21.380	3.420
9.	Jan '94	3724	1623	1534	1534	337	360	16.67	1.34	18.01	21.380	3.370
10.	Feb '94	3724	1623	1537	1537	413	349	18.01	0.47	18.48	23.380	4.900
11.	March '94	3724	1623	1554	1554	422	348	18.48	7.36	25.84	97.397	71.557
12.	April '94	3724	1623	1554	1554	444	343	25.84	0.02	25.86	97.397	71.537
13.	May '94	3724	1581	1554	1554	444	367	25.86	1.19	27.05	97.397	70.347
14.	June '94	3724	1581	1554	1554	489	363	22.60	0.20	22.80	97.397	74.597
15.	July '94	3724	1581	1554	1554	600	290	22.80	1.30	24.10	83.647	59.547
16.	Aug '94	3724	1581	1504	1554	907	137	24.10	1.04	25.14	83.647	58.507
17.	Sept '94	3724	1581	1504	1554	926	229	25.14	0.96	26.10	83.647	57.547
18.	Oct '94	3724	1581	1504	1554	983	204	26.10	2.65	28.75	83.647	54.897
19.	Nov '94	3724	1581	1504	1554	1127	127	28.75	0.35	29.10	83.647	54.547
20.	Dec '94	3724	1581	1504	1554	1173	101	29.10	0	29.10	83.647	54.547

FINANCIAL STATUS FOR EXPENDITURE UPTO DECEMBER 1994

	Contributn	Released		
		to June94	July 94	Cumulative
GOAP	8828000	2450000	-1375000	1075000
RNE	26672000	6650000	0	6650000
Interest		151000	0	151000
Beneficiary contribution		488000	0	488000
Total	35500000	9739000	-1375000	8364000
Expenditure ending 12/94				2910000
Balance with PRED till 12/94				54547000

*ANNEXURE V*

*LIFT IRRIGATION - COMPARATIVE STATEMENT OF  
FINANCIAL EXPENDITURE ON LIFT IRRIGATION  
SCHEME NAGAKURNOOL / MAHBUBNAGAR*

## COMPARATIVE STATEMENT OF FINANCIAL EXPENDITURE ON LIS - NAGARKURNOOL ENDING DECEMBER 1995

(Rupees in Lacs)

Sl. No.	Name of work	Est. cost 1987	1 RE Aug1988	RE 1992	RE Mar'94	Expn. upto3/94	Expn. upto5/94	Expn. upto7/94	Expn. upto9/94	Expn. upto10/94	Expn. upto11/94	Expn. upto12/94	Expn. (94) Oct-Dec qtr	balance as on 12/94
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15 (6-13)
1	Preliminary	0.75	0.75	0.75	0.75	1.02	1.02	1.02	1.02	1.02	1.02	1.02	-	-0.27
2	Land acquisition	7.80	7.80	33.00	39.78	38.25	38.25	38.25	38.25	38.25	38.25	38.25	-	1.53
3	Jack well	11.50	18.20	27.70	100.00	85.00	85.00	85.13	87.23	87.27	87.30	90.73	3.50	9.27
4	Intake channel	5.00	5.00	13.07	13.00	11.76	11.76	11.76	11.76	11.76	11.76	11.76	-	1.24
5	Staff quarters	7.55	7.55	8.55	12.85	11.76	11.80	11.80	11.80	11.80	11.80	11.80	-	1.05
6	Approach road	4.00	4.50	5.00	8.80	7.51	7.51	7.51	7.51	7.51	7.51	7.53	0.02	1.27
7	Pumpsets, manifold, valves, sludge pumps & gantry cranes	87.90	80.50	132.00	199.00	174.05	174.05	174.37	174.43	174.43	174.43	176.63	2.20	22.37
8	Transformers & Trans. yard	8.50	17.00	45.00	55.57	39.90	39.90	39.90	40.61	40.92	40.92	40.92	0.31	14.65
9	Pressure main	99.00	100.00	220.00	306.00	217.77	217.94	218.02	218.14	218.14	218.24	221.33	3.19	84.67
10	Sump and Cisterns	2.00	5.00	10.00	36.70	21.44	21.59	21.62	25.46	25.46	25.54	25.55	0.09	11.15
11	Telephone	0.00	2.70	2.70	2.70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.70
12	Distributaries & field channels	60.50	60.50	242.00	340.00	223.42	223.69	231.55	237.74	245.00	246.42	246.75	9.01	93.25
13	Electrical works	6.50	56.50	56.86	58.38	59.08	59.08	59.08	59.08	59.08	59.08	59.08	-	-0.70
14	Direct & Indirect charges	39.00	48.00	48.00	13.47	6.23	6.23	6.23	6.39	6.39	6.43	6.54	0.15	6.93
15	LS provision & unforeseen	0.00	0.00	5.37	-	0.09	0.59	0.59	0.59	0.59	0.59	0.59	-	-0.59
	TOTAL	340.00	414.00	850.00	1187.00	898.28	899.41	907.83	921.01	928.62	930.29	939.48	18.47	247.52









