

Save Rain Water

BY SPEED POST



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MANAGING DIRECTOR.**

**TWAD Board
Chennai-5**

Lr. No.57544/AHG1/HG Wing/2011-12/dated:30.01.2012.

To
The Joint Secretary to Government,
Ministry of Drinking Water and Sanitation,
New Delhi.

Sir,

Sub: Video Conferencing with State Secretaries regarding progress in National Drinking Water Security Pilot Projects in 10 over exploited blocks in the Country – Report on the progress of works - submitted - Reg.

Ref: MoDWS, G.O.I. Lr. No.W-11042/16/2010/Water dated 5.1.2012.

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I wish to inform that I enclose herewith the "Report on the National Pilot Project for the Over Exploited Block in Morappur in Dharmapuri District of Tamil Nadu".

In this connection, I wish to inform that the Action Plan for the 3 months January to March 2012 is also appended with the report.

Encl: One Report.

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For MANAGING DIRECTOR,
TWAD BOARD, CHENNAI-5.

**Report on the National Pilot Project for the over exploited blocks to ensure
Drinking Water Security in the rural habitations**

**Under the Ministry of Drinking Water and Sanitation (MoDWS),
Govt. of India**

Govt. of India under the MoDWS has launched a pilot demonstration project in some of the over exploited blocks of the country to achieve the drinking water security in the households of rural India. In order to achieve the objective it has been felt that there is a need for a holistic and participatory planning approach, with clear guidance on institutional roles and responsibilities and financing. It has been strongly felt that the Village Water and Sanitation Committees need to prepare drinking water security plans, which address source sustainability, water quality (both bacteriological and chemical), and operation and maintenance issues, as well as provisions for replacement and expansion.

The revised National Rural Drinking Water Programme (NRDWP) aims at "providing every rural person with adequate safe water for drinking, cooking and other domestic basic needs on a sustainable basis". This basic requirement should meet "minimum water quality standards and be readily and conveniently accessible at all times and in all situations".

Government of India grants schemes such as the Mahatma Gandhi National Rural Employment Guarantee Scheme, Backward Region Grant Funds and watershed development programme, NRDWP sustainability etc and actively support the convergence of these programmes since all these programmes are aim at improving for the sustainability of water resources. Hence "Panchayats should be fully empowered to decide allocation of water, available within their jurisdiction, for agriculture, industry and drinking in rural areas".

In order to fulfill the objectives, Government of India has launched a national ***pilot program*** in 11 blocks of the country to test and demonstrate the concept of ***Drinking Water Security through convergence and Participatory Water resource management to address the various dimensions of water security.***

Pilot Demonstration Project in Tamil Nadu.

In Tamil Nadu Morappur Block in Dharmapuri District has been identified for the Pilot study. TWAD Board by and large will act as a facilitator in this project and fully part with its technical expertise in Public Health Engineering and Hydrogeological sciences. Thus there is ample scope for the success of this pilot project being implemented in the State. TWAD Board as the first step of this project has to identify a **Support Organisation** through a reputed NGO to carry out all field and scientific approaches connected to this project.

The project has been broadly divided in to two folds namely Software and Hardware component.

The Software component is mainly to take up the pilot study in the entire gram Panchayat through the Support Organisation. The software component works out Rs. 1.00 Crore.

Whereas the hardware component aims to build the Sustainability of all sources through convergence activities with various line departments. The hardware component works out Rs. 10.00 Crore.

During the SLSSC meeting held on 17.06.2011 under the Chairmanship of Secretary to govt., MA&WS, a sum of Rs.50.00 lakhs has been earmarked for these project activities under the NRDWP support activities.

MoDWS has requested the State Governments to utilize the funds available under the NRDWP Support Activities for the Software component and funds under Sustainability component for hard ware activities.

Project Activities

As part of smooth start on the activities on the Pilot Project, MoDWS & WSP have launched the Drinking Water Security Pilot Programme Workshop at Pune, Maharastra during 9th & 10th Sept, 2011. The two days workshop have enlightened the States the activities to be taken up in this project and the visit to certain Gram

Panchayats in Maharashtra have clarified the way by which the Project to be implemented. TWAD Board and Rural Development Department officials have attended this workshop from Tamil Nadu.

Progress of Works

Though the TOR has been formulated long back in this project, the workshop conducted at Pune has only gained momentum to the States to seriously start the works.

However TWAD Board has taken up certain initiatives since April 2011 to start the activities on the Pilot Project. Some of progresses achieved so far are highlighted herewith:

1. Geology map on 1:50,000 scales have been completed with data collected from the Geological Survey of India.
2. Geomorphology map showing various features such as Hills, Pediments, Land uses, Tanks, Rivers, Streams are prepared based on remote-sensing data and kept ready for field use.
3. An Action Plan map showing ground water potential zones and artificial recharge structures has also been prepared for guidance to the Support Organisation on 1:50,000 scale.
4. Yet another map showing the details of ground water prospecting, water quality, and recharge structures based on GIS and remote sensing is currently under preparation for Dharmapuri District under RGNDWM on 1:50,000 scales and the same will be added for future works on this project. This map will no doubt be a guiding force for the preparation of Drinking Water Security plan for this pilot block.
5. Administrative map showing the geographic area and its extent of all Gram Panchayats has been prepared and kept ready for use.
6. Yet another map showing the geographic extent with density of Population of Gram Panchayat has been prepared and kept ready for the Support

organization to work out the Water Budget. It is noteworthy that GPs with smaller geographic extent support larger population.

7. Water level monitoring from the deep bore wells have taken up in the gram Panchayats drinking water and other wells to observe the rise and fall of water levels since Sept. 2011 onwards.
- 8. A sub-Committee has been constituted besides DWSM with the District Collector, Dharmapuri district as Chairman and members with various line departments such as PWD, Water Resources Organisation, Agriculture Dept, Forest, Education etc exclusively for this pilot project.**
- 9. An exclusive meeting with the Sub-Committee members with the World Bank `expert Thiru Mariapp Kullappa, Advisor/WSP/ New Delhi was held under the Chairmanship of the District Collector, Dharmapuri on 13.12.2011. A presentation was shown to the line department members by the Senior Hydrogeologist, TWAD on the various activities to be taken in this Pilot project.**
- 10. One day awareness programme was held to the newly elected Panchayats president of Morappur block on 22.12.2012 at the Collectorate Complex, Dharmapuri and they have been explained the importance of the Pilot Project being implemented at all the Gram Panchayats of Morappur.**
- 11. Tenders have been called for to identify an NGO for the formation of Support Organization in the Paper on 5.1.2012 and the pre-bid meeting was held on 12.01.2012 at Dharmapuri. The tender will be opened on 25.01.2012 and a reputed organization will be identified for the formation of Support Organization(SO).**
- 12. It has been proposed to take up the newly elected Panchayat representatives for an Exposure visit in two batches during the 2nd week of Feb' to Madanapalli in Andhra Pradesh where similar project on water conservation, Management, Public participatory in drinking water supply schemes were implemented under the World Bank assistance.**

13. Proposals have been contemplated to install two rain gauge stations in Kambainallur and Kadathur of Morappur block in order to have micro level information on weather for working out Hydrogeological models. Similarly other equipments such software hardware, water level recorder etc will be procured for the project activities.
14. Under the Tamil Nadu Watershed District Agency water balance has already been worked out in 14 gram panchayats which will be of use full to corroborate the data for this project study by the support organization.
15. The proposed activities for the next three months has been highlighted herewith:

January' 2012	Feb' 2012	March
<ul style="list-style-type: none"> • Pre-bid meeting was conducted on 12.1.2012 • Opening of tenders on 25.1.12 for the formation of Support organization (SO). • Procurement of Scientific equipments for the Hydrogeological activities by the Support organization • Water level monitoring from deep bore wells 	<ul style="list-style-type: none"> • Exposure Visit to Madhanapalli in Andhra Pradesh for the first batch • Installation of rain gauge stations for monitoring the weather. • 100 percent monitoring of Water level in all GPs by S.O • Collection of other Scientific data in GPs • First inception report to be submitted by SO 	<ul style="list-style-type: none"> • Exposure Visit to Madhanapalli in Andhra Pradesh for the second batch • Awareness programme on water budgeting to the elected representatives • Water level monitoring in all GPs by S.O • Exposure visit to other areas as worked out by SO