



GOVERNMENT OF JAMMU & KASHMIR

Chief Minister's Monitoring Cell

Physical verification report of the project namely
"Water Supply Scheme, Sukhnag, Budgam"



By Joint Director,
CM's Monitoring Cell.

PHYSICAL VERIFICATION REPORT

Name of the Project:	Water Supply Scheme, Sukhnag
Executing agency:	PHE, Master Plan Division, Srinagar
Source of funding:	Central Assistance + State Plan (90:10)
Year/Month of start of project:	March, 2010
Target date of completion:	September, 2012

Srinagar city has undergone rapid growth both in terms of area and population and due to continuing trend in urbanisation and population increase, the Govt has made all out efforts to provide relief to the growing population also by way of providing water supply to each house hold. Organised water supply to Srinagar city was introduced long back, since then there has been gradual and steady augmentation, improvement and requisite extensions to cover expanding outskirts of Srinagar city. The Greater Srinagar has been divided into 05 water supply zones namely Rangil, Nishat, Doodganga, Sukhnag, and Tangnar. The WSS Sukhnag, which is a gravity scheme, has been envisaged to augment the water supply and providing distribution system in Zone IV of the Greater Srinagar. The project has been formulated for providing water supply to the designed population of 3.66 lac souls by the year, 2038 with a basic population of 1.45 lac population. It shall provide augmented water supply to the following area/localities: -

Reshipora, Sebdan, Dondosa, Sharifabad, Chowdribagh, Haran, Hakermulla, Bemina, Hanjik, Dooru Galwanpora, Lawaypora, Gund Hassi Bhat, Sozeth, Gooripora, Khumanibad, Hamdania Colony, Zainakote, Rambirgarh, Pratap Garh, Narkara, Soibugh, Dharmuna, Warpora, Dharmuna, Doru, Chowdribagh, Batahar, Shiekhpora, Damodar Karewa, Humhama, Khumani Chowk, Khwaja Bagh, Rakhi Arth-Dal Dwellers, Watalpora , Bagimder and Gurteng.

These areas are presently supplied water through local water supply schemes of PHE Division Budgam, Rangil Phase-II, WSS Doodganga, tube

well schemes. Presently these areas are getting the water supply @ 70 LPCD, however after completion of the scheme these areas shall be supplied 135 LPCD of water.

Financial Status:

	(` in lacs)
Original project cost:	` 12100.00
Expenditure (ending September, 2011):	` 2950.00
Funds released	` 2988.371 (CA ` 2895.00 + State Plan ` 93.37)
Total availability	` 2994.244

Physical progress of Work:

The main components of the scheme includes construction of 10 MGD (45 Mld) Water Treatment Plant, 3.33 MGD (15 Mld) Water Reservoir, laying of Gravity Mains and providing distribution system to cover the entire area of Zone IV.

Construction of Water Reservoir

25 kanals of land has been acquired at village Dedina for construction of Water Reservoir. Soil testing of the acquired land has been done. The reservoir will be of the capacity of 3.333 MGD. The design for construction of Service Reservoir has been approved by the Directorate of Design & Quality Control. Tenders for execution of this component of work have been invited for which the last date has been fixed as 1st October, 2011. The process for procurement of key construction material by way of steel and cement has also been initiated for which the payment has also been made to the concerned agencies.

Construction of 10 MGD Treatment Plant

52 kanals of land has been acquired for construction of Treatment Plant at Parthan. Tendering process for this component of

work has been completed and the contract stands awarded for an amount of ` 7.50 crore. The execution of this component of work has recently been taken up and the earth excavation work was found going on, on the day of inspection. The various units of the treatment plant are: -

- I. Sittling Chamber
- II. Flash Mixer
- III. Clarfloculator
- IV. Fitter beds

The approach road for a stretch of 410 Mts including box type culvert over a stream has also been constructed by the agency by debit to project funds which would definitely help in transportation of the material to the Plant site.

Laying of Distribution system/Gravity Mains

30% of this component of work has been completed. Against the target of 64.5 Km, the pipes of different dia ranging from 350 MM – 800 MM has been laid for a length of 24.3 Kms against the allotted pipe length of 32.72 Km. Further the work of 10 Km length for pipe laying has been tendered and the remaining 22 Km is in the process of tendering as per the report of Xen Master Plan Division.

Laying of 33 KVA Power Transmission Line/Creation of Sub Station

This item of work is under execution through concerned PDD Division. 80% of the work has been completed by way of laying of transmission line from Brail to Parthan (Treatment Plant). The process for creation of 250 KVA sub station has also been initiated. An amount of ` 10.00 lacs has been advanced to the PDD Division for the purpose against the demand of ` 15.00 lacs.

Observations/Problem areas:

The scheme has been approved under Urban Infrastructure Governance (JNNURM) by the Ministry of Urban Development , GoI for which the Detailed Project Report was prepared by National Consultancy for Planning and Engineering NCPE), Hyderabad. The formal authorisation for execution of the scheme has been granted by the SUIDA, J&K. The source of the scheme is Sukhnag Nallah. The water supply for the project

shall be tapped near Arizal Bala which is at a distance of 8 Kms from the site of Treatment Plant at Parthan and 38Kms from Srinagar. Presently the water of Nallah Sukhnag is being used mainly for irrigation and feeding the local schemes of PHE Budgam. The speciality of the Sukhnag Nallah as per the report of the locals lies in the fact that it has the tendency to flow with vigour throughout the year and ferociously during the summer months. Further the beauty of the source (Nallah) is that the chances of turbidity of the water remains negligible even during the rains. On completion, the scheme will have definitely a good impact from the water supply point of view which can be substantiated by the statistics provided by the Irrigation & Flood Control Department with regard to its discharge capacity. The data maintained by the department divulges that during the last ten years the minimum discharge of the Nallah has been of the order of 137 cusecs and that too in the year 1992 against the requirement of 20 cusecs only for the project. The areas which shall be covered under the scheme are presently getting only 70 LPCD which on completion of the scheme shall be provided water at 135 LPCD.

The physical progress of the project indicates that scheme is unlikely to get completed by the target date of September, 2012 as the agency is lagging behind the targets. Some progress seems to have been achieved in laying of Distribution System and Gravity Mains. The work executed for this component was found satisfactory.

The process of acquiring land required for the project at various spots has been completed and no land acquisition whatsoever is involved now in the project. However, the mutation of the land acquired has not been done by the Revenue Department in favour of the PHE Department.

One namely Shri namely Ab Samad Dar is claiming compensation for his proprietary land of 1 kanal and 3 marlas reported to have been acquired by the executing agency for construction of approach road to the Treatment Plant at Parthan. The case is pending in the office of the Deputy Commissioner, Budgam for settlement.

The condition of the road as a result of earth excavation for pipe laying has turned very bad at various stretches. However the work of road restoration was found going on but at a snails pace despite the fact that the executing agency has advanced the amount to the concerned R&B Division for the restoration work. Due to deteriorated condition of the road the transporters have suspended the operation of passenger buses for some of the areas on account of which the residents are facing numerous difficulties especially school/college goers.

During inspection it found that the pipes of different dia have been dumped on the road side almost all along the corridor of the project upto

Treatment Plant. For a road stretch of 500 Mts (Dedina to Mirgund) the pipe laying process has been delayed due to narrow width of the road and heavy rush of traffic as a result of which the agency has started the operation of pipe laying for this stretch during night hours. As per reports of the Xen the work under progress will be completed within 10 days. The work at Dedina-Watrewni road stretch and near Rakhi Arth was found in progress.

It was reported by the Xen that presently the non availability of funds has also been an impediment in accelerating the pace of work. He informed that there is a liability of ` 10.00 crore of PHE, Procurement Division Srinagar against the procurement of pipes and desired that sufficient funds at least to the extent of ` 50.00 crore needs to be released during the current fiscal.

The executing agency is facing problem in laying of pipes under railway track at Sebdan, as a result of which 400 Mts of pipe length in this section is yet to be laid. The agency is intending to lay the pipe under cross drainage culvert at village Sebdan for which it has already taken up the matter with the Northern Railway Authorities for seeking permission which is yet to be granted.

It is also fraught with the problem of pipe laying for a length of 2.5 Kms on a metalled road stretch from Parthan to Brail. The agency has already taken up with Chief Engineer, PMGSY for accord of permission which has not still been considered, which has delayed the laying of pipe line on this road portion. The JKRRDA is also claiming an amount of ` 24.00 lacs as compensation cost on this account.

Suggestions/remedial measures:

The project assumes added significance owing to the fact that on completion, a huge chunk of population of Zone IV of Greater Srinagar will get augmented water s

upply. For the early completion of the project following suggestions are made: -

- I. The H&UDDD should take up with Ministry of Urban Development, GoI for release of ` 50.0 crore during the current fiscal for further execution of the scheme as presently there are no funds available with the executing agency.

- II. The executing agency should ensure that the material is dumped particularly at Service Reservoir and Water Treatment Plant sites and simultaneously should accelerate the pace of work which is going on at a slow pace to avoid slippage of time in execution of the project. It is apprehended that once the weather turns hostile it would be absolutely difficult to haulage the construction material through the road which has now turned in a bad condition.
- III. The H&UDD/ PHE, I&FC Department should approach the Northern Railways for seeking NOC for laying pipe under the railway track at Sebdan where the work for a stretch of 400 meters is held up.
- IV. The JKRRDA should be approached to grant permission for laying of the pipes on road stretch from Parthan to Brail for which the pipes have been dumped at the site.
- V. The R&B should take up the road restoration work on war footing as the bad condition of roads, which has been as a result of earth excavation for pipe laying, has put the general public to miserable inconvenience.
- VI. The executing agency should allot the work of construction of Service Reservoir immediately after the tendering process is complete.
- VII. The Deputy Commissioner, Budgam should settle the land compensation case of one namely Shri Ab Samad Dar who claims that his proprietary land measuring 1 kanal, 3 marlas has been acquired by the PHE Department for construction of approach road to Treatment Plant at Parthan.

Physical Verification Conducted by :	Altaf Ahmad Zargar, Joint Director Planning, Monitoring Cell, Chief Minister's Secretariat.
Officers of Executing Agency who accompanied the officer:	1. Executive Engineer 2. Assistant Executive Engineer and JE's concerned of Master Plan Division, Srinagar

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Site for construction of Treatment Plant at Parthan, earth excavation work in progress



Railway track at Sebdan, (Budgam) where work for laying pipe under culvert is held up



Pipes dumped along the road side



Approach road (near Parthan) to site of Treatment Plant



Pipes dumped at Brail - Parthan road stretch



Road restoration work in progress at Watrewani