

PHYSICAL VERIFICATION REPORT OF ON-  
GOING WORKS OF  
  
COMPREHENSIVE SEWAGE SCHEME  
IN OLD JAMMU CITY ( DIVISION-A )  
AND 27 MLD STP AT BHAGWATI NAGAR  
JAMMU

**Monitoring Cell**  
**Chief Minister's Secretariat**

## PHYSICAL VERIFICATION REPORT

(Conducted by Dy. Director, Planning on 14-11-2010)

- 1. Name of Project:** Comprehensive Sewerage Scheme in Old Jammu City (Div. A) & 27 MLD Sewage Treatment Plant at Bhagwati Nagar, Jammu.
- 2. Funding Agency:** GOI (JNNURM Project)
- 3. Executing Agency:** NBCC (National Building Construction Corporation)
- 4. Year/Date of Start of Work:** Feb 2008 (Tendering Started)  
June 2008 (Site handed over to NBCC)
- 5. Year/ Date of Completion:** Feb 2010 (Stipulated)  
June 2010 (2 years period from start of work)
- 6. Financial Status of Work:**

*(Rs. in Crores)*

Sanctioned Cost	129.26
Funds Released	31.98
Expenditure Incurred	20.80

### 7. Physical Status of Work:

S. No.	Major Works/ Items	Target	% of work completed
1	Const. of 27 MLD STP at Bhagwati Nagar Jammu	27 MLD STP	78%
2	Trunk Sewer Lines in Div. -A of Greater Jammu	29 kms	64%
3	Laying of Lateral Lines in Sectors I, II, III & IV of Greater Jammu	88 kms	22%
4	Laying of Raiders & House Connections	30,400 Nos.	Consultants yet to provide tender document & BOQ

### 8. Field Observations:

- a. Work of the 27 MLD Sewage Treatment Plant (STP) at Bhagwati Nagar, which is about 78% complete, seems to be progressing well and without facing any hindrance. The quality of work also looks good. The STP is likely to be completed in next two to three months and is not of much concern as it will be operated only after sewage is supplied to it for treatment.

- b. It was reported by NBCC that out of sanctioned 29 kms of Trunk Line, 16 kms stand laid, which works out to about 64% of the total target. The entire stretch of trunk line laid by NBCC was covered/ compressed and traced/ tracked by the man-holes only.

Executive Engineer, UEED Jammu expressed his concern over the work carried out by NBCC in fixing joints and compression of material filled above the pipes. However, Additional General Manager NBCC explained that the joints were well fixed and sand cushion of D/3 (1/3<sup>rd</sup> of diameter of pipe) was maintained to prevent pipes from cracking and compression of earth material laid over pipes on paths/ roads was ensured.

***There is need for sharing of time schedules of executing works, between NBCC (executing agency) & UEED (Nodal/ coordinating agency) so that quality of work is maintained by ensuring supervision of technical staff of both the agencies while joints are fixed and compression of the earth material is carried over the said pipes. Although the reported date of completion of trunk lines is March 2011, the likelihood of its surpassing cannot be overruled.***

- c. It was reported by NBCC that out of sanctioned 88 kms of laterals, about 19-20 kms was laid, which works out about 22% of the target. The entire lateral lines laid were also covered/ compressed and tracked at few Mohallas (Old Rehari, Ustad, etc) where the executing agency was encountering problem in constructing man-holes & laying pipes due to un-organised mesh of PHE pipelines/ connections. It was observed that there are many such lanes where the work was held up due to the presence of PHE pipelines/ connections, either densely criss-crossing or moving along narrow lanes (less than 3 feet). NBCC reported that the problem has been brought to the notice of UEED (coordinating agency) but the hurdles have not been removed which results in slow pace of execution of works. In response, UEED Engineers informed that the technical difficulties have already been brought to notice of PHE, PDD, etc. The estimates for removing/ re-aligning the hindering PHE pipelines & electric poles got prepared from concerned agencies by the UEED and stand submitted to the Government for release of funds; which is still awaited.

***This is the real problem area in execution of the entire project and needs to be concentrated upon by removing the hurdles/ technical difficulties being faced by NBCC in order to ensure timely completion of laying of laterals. The date of completion reported by NBCC, subject to removal of hurdles, is June 2011, but it seems unrealistic since less than 1/4<sup>th</sup> of this stretch has been laid.***

- d. About 30,400 household connections have to be given, but it is yet at Planning Stage by consultants NCPE (National Consultancy for Planning & Engineering) Hyderabad, who have yet to submit the tender document & BOQ.
- e. Photographs of a few spots were taken comprising the pictures of trunk pipes which were damaged probably during transport and were also rejected by NBCC to ensure the quality.
- f. NBCC also reported some shortage of labours since the labours from outside the state were reluctant to work while laying laterals due to unhygienic lanes/ drains in Old city. Labours from within the State, especially, hilly districts of Doda, Kishtwar, Reasi, etc. and Kashmir valley were engaged for laying laterals.
- g. Since no mixing work was in progress due to absence of labour on account of Eid, sample of mixture to verify its strength could not be obtained. However, NBCC proposed that after Eid sample could be taken from any location where construction work will be in progress.
- h. At Mohallas where work was held up due to technical problems, the local residents as well as contractors expressed their discomfort and complained the manner in which Government is executing works.

## **9. Suggestions:**

- a. The Housing & Urban Development Department (H&UDD) may be asked to provide funds against the estimates got prepared by UEED from different agencies viz. PHE, PDD, etc. for re-alignment of PHE pipelines/ household connections and electric poles, etc. which stand submitted to the Government for Central/ State funding. While central financial assistance is awaited, State may release its share so that the technical problems are removed immediately enabling NBCC to start the works held up at said Mohallas.
- b. NBCC and UEED officers at the field level be asked to convene weekly meetings for sharing their working time-schedules for monitoring of works to maintain quality while execution.
- c. NBCC and UEED may be asked to fix time-schedule and may strictly follow them for getting the hindrances/ technical problems in the field removed by PHE/PDD, once funds are released for the purpose.
- d. An estimate of about Rs. 29.43 crore for laying 1000 mm dia. 900 mtrs. Pipeline from Jewel Chowk to Canal head, the missing link between sanctioned works under execution in Old Jammu City and the STP under construction at Bhagwati Nagar, is reported to be lying unsanctioned with the Government. The estimates need to be sanctioned at an early date so that the old city Sewage pipes are connected to the STP Bhagwati Nagar.

**10. Additional Suggestions:-**

- a. A dump of solid waste of Jammu city adjacent to the STP at Bhagwati Nagar on the left bank of river Tawi was reported to be piling up which, if not treated, could lead to outbreak of epidemic in Jammu city, especially the adjoining areas. Municipal Corporation Jammu is reported to have prepared a proposal for management of solid waste, the status of the same needs to be ascertained and necessary steps taken to address to the issue in time.
- b. The UEED Department has a 10 MLD STP reported to be functioning at Bhagwati Nagar since 2006. This STP receives sewage from areas in and around Talab Tilloo at present, but is not being put to optimum use due to less number of connections. UEED may be asked to enhance their annual connection targets by creating public awareness through media or providing some incentive, etc.

**11. Conclusion:-**

In case necessary steps are not taken by the Executing Agency (NBCC) & Nodal Agency (UEED) even at this stage, the execution of the project which has already surpassed its stipulated date of completion, may spill over to the next couple of years thereby resulting in escalation of cost and also creating resentment among the residents of Old Jammu City who have already faced a lot of inconvenience during the last two years.

**Physical Verification  
Conducted by :**

Madan Gopal Sharma,  
Deputy Director Planning,  
Monitoring Cell, Chief Minister's  
Secretariat.

**Officers of Executing  
Agency who :  
accompanied**

Mr Anil Mallah,  
Addl. General Manager (Tech.),  
NBCC, Jammu

Mr Sodhi Lal, Addl. General  
Manager, NBCC, Jammu

Mr Meena, Deputy General Manager,  
NBCC, Jammu

**Officers of Nodal Agency  
who accompanied :**

Mr. N. H. Khan, Executive Engineer,  
UEED, Jammu