REGIONAL WORKS SHOP FOR JNNURM AT LUCKNOW ON 01/05/2013

WATER SUPPLY PROJECTS OF JNNURM UNDER EXECUTION IN JHARKHAND

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STATUS OF DHANBAD URBAN WATER SUPPLY SCHEME (JNNURM).

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Estimated Cost</td>
<td>Rs. 365 Cr.</td>
</tr>
<tr>
<td>Agreement Value</td>
<td>Rs. 298 Cr</td>
</tr>
<tr>
<td>Name of Agency</td>
<td>M/s. L &amp; T Channai</td>
</tr>
<tr>
<td>Date of Agreement</td>
<td>13/5/2011</td>
</tr>
<tr>
<td>Time of Completion</td>
<td>25 Months</td>
</tr>
<tr>
<td>Overall Physical Progress</td>
<td>65%</td>
</tr>
<tr>
<td>Upto date Expenditure</td>
<td>Rs. 136.06 Cr.</td>
</tr>
<tr>
<td>Overall Financial Progress</td>
<td>46%</td>
</tr>
<tr>
<td>Expected date of completion</td>
<td>December’ 14</td>
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</tbody>
</table>
PROGRESS OF MAIN COMPONENTS

- Intake Well at Dhanbad: 55%
- Water Treatment Plant at Dhanbad: 27%
- Intake Well at Sindri: 92%
- Water Treatment Plant at Sindri: 92%
- Rising & Distribution Pipe: 71%
- Underground Sumps (2nos.): 60%
- Overhead Towers (36 nos.): 30%
MAIN HURDLES:

• Bill of Agency amounting 52.00 crore pending - 4 months
• Land for WTP at Jamadoa delay- 16 months
• Land for 12 nos. of Tower delay- 4 months
• Land for 18 nos. of Tower delay- 9 months
• Land for 1 no. Tower not yet available
• Land for Sump at Siyalgudri delay- 12 months
WTP Sindri under progress
Work in progress at Pump House Bhelatand
CWR-1 cum Pump House at Siyalgudri
Work in Progress at Jamadoba Intake Location
Intake Well & Gangway at Sindri
ELSR-1, BIT

ELSR-2, Rangamati
STATUS OF RANCHI URBAN WATER SUPPLY SCHEME (JNNURM).

- Estimated Cost: Rs. 288.34 Cr.
- Agreement Value: 234.71 Cr.
- Name of Agency: M/s. IVRCL Ltd., Hyderabad.
- Date of Agreement: 15/3/2010
- Time of Completion: 30 Months
- Overall Physical Progress: 50%
- Time extension granted up to: 30.11.2013
- Up to date Expenditure: Rs. 102.00 Cr.
- Overall Financial Progress: 43%
- Expected date of completion: June’14
Context

– RMC limits, institutional set-up and water supply served areas

- RMC
  - 175 sq.km, 55 wards, 1.05 mn. (2011 Prov.)
- Present Institutional Set-up
  - RMC – Connections billing and collection
  - DWSD – Planning, Execution and O&M
  - UDD – Funding under JNNURM
- Water Supply
  - Sources – Hatia, Kanke and Rukka
  - JNNURM Project ~ Rs. 375 crore* 
  - Served Areas to be covered in PPP - Existing served area + ongoing JNNURM project - 26 Zones

* Revised Estimates provided by DWSD/RMC
Schematic of existing Water supply

Source
- Rukka Intake
- Kanke Intake
- Hatiya Intake (Gravity)

WTP(MLD)/Sump(ML)
- 170.5 / 2*4.5
- 19.5 / 1.36
- 56.8 / 4.5+2.2+13.6 (For HEC)

Mid Way Pumping / Cap
- Booty Sump / 2*4.54+2.27+1.36
- Booty GSR / 2*6.81

Balancing Reservoir

Supply Zone No. Name/Sump/ESR
- 7. Morabadi / 1.36/1.36
- 8. Ratu Road / 1.14+1.36+0.9 / 1.36
- 1. Pisca More / 1.36 / 1.36
- 5. Khadgar / 2.7/1.36
- 3. Church Road / 1.36/1.36
- 4. Siram Toli / 2.73/1.36
- 15. Doranda / 1.36/0.68
- 13. Harmu GSR / 0.23
- 14. Sector II / 2.27/4.54
- 15. Doranda / 1.36/0.68
- 9. North Off Para 1/0.68
- 10. Hinoo 0.75/0.75
- 11. Kanke Road
- 12. Upper Bazaar (Direct Distribution)
- 14. Sector II / 2.27/4.54
- 15. Doranda / 1.36/0.68
- 13. Harmu GSR / 1.36
- 16. Kusai / 0 / 2.57
- 21. Dibdhi / 0 / 3
- 22. Pundag / 0 / 4.16
- 24. Hatia / 0 / 3.92
- 25. Tupudana / 0 / 3.56
- 16. Kusai / 0 / 2.57
- 21. Dibdhi / 0 / 3
- 22. Pundag / 0 / 4.16
- 24. Hatia / 0 / 3.92
- 25. Tupudana / 0 / 3.56

Supply Zones without Sump/ESR
- 17. Namkum
- 18. HEC
- 39. Cant
- 38. Kokar
- 13. Harmu Tower/0/1.23

Total / Overlap
- 15 / 3
- 2 / 0
- 5 / 3
- 6 +1 /1

On going JnNURM Project
PROGRESS OF MAIN COMPONENTS

Water Treatment Plant: 60%
Intake Well: 15%
Rising Pipe: 38%
Distribution Pipe: 32%
Underground Sumps (3 nos.): 2 nos. under construction- 50%
Overhead Towers (6 nos.): 5 nos. under construction- 38%
MAIN HURDLES:
• 83 KMs pipe laying delay due to NOC from NHAI/JRDCL/NH (29 months)
• NOC from JSEB for Tower at Kusai pending from June’12
• Progress of the work not satisfactory
• Several reminders given to agency.
• Show cause notice has also been issued
• Still no satisfactory improvement.
114 MLD CAPACITY WATER TREATMENT PLANT AT RUKKA
FORMATION OF APPROACH ROAD AND COFFERDAM AT RUKKA

AS ON 31.03.2013
DI Pipeline works of Distribution
ELEVATED SERVICE RESERVOIRS

PUNDAG-4.16ML CAPACITY & 24M STAGGING

DIBDIH-3.00ML CAPACITY & 16M STAGGING
2.71 ML CAPACITY UGR @ LALGUTWA
1.23 ML CAPACITY HARMU Tower
3.00 ML CAPACITY DIBDIH ESR
ELEVATED SERVICE RESERVOIRS AS ON 31.03.2013

3.00 ML CAPACITY ESR @DIBDIH

4.16 ML CAPACITY ESR @PUNDAG

1.23 ML CAPACITY ESR @HARMU

2.56 ML CAPACITY ESR @TIPUDANA
3.59 ML CAPACITY UGR @ KANKE

AS ON 31.03.2013
Codal Provision ds dafMdk 437 ds vuqlkj ,deqLr jkf’k miyC/k djk;k tkukA
\[\begin{array}{l}
\text{PWD} \\
\text{NH} \\
\text{NHAI} \\
\text{Forest} \\
\text{JSEB a} \\
\text{Railway}
\end{array}\]
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THANK YOU