HANDRI NIVA SUJALA SRAVANTHI (IRRIGATION SCHEME) (1.98 LAKH ACRES)
SCHEMATIC DIAGRAM OF LIFT PROPOSAL PHASE-1

ULTIMATE STAGE
Utilisation – Ayacut 6,02,500 Ac
– 40 TMC
Phase-I – 1,98,000 Ac.
– 14 TMC
Total Lift – 203 M
Lifts on Main Canal (Phase-I – 7 Nos.)

TENDERS TO BE CALLED
TENDERS FINALISED

PHASE-I
PACKAGE DETAILS ARE IN NEXT PAGE
H.N.S.S  PROJECT – PHASE – I

1 PROJECT PROFILE : Lifting of 14 TMC water from foreshore of Srisailam Reservoir, Excavation of Main canal, distributaries formation of Balancing Reservoirs etc.

   Length of canal     : 216 Kms
   No. of balancing Reservoirs : 3 No.
   Drinking water    : 10 Lakh People
   No. of lifts      : 7 Nos.

2 Administrative Sanction  : G.O.Ms.No. 731, Dt: 24-7-05, for Rs. 1305 Crores

3 No. of EPC Packages : 14 (+1 No. of lifts packages under approval at Government)

4 Agreement value of packages (14 Nos.) : Rs. 918.171 Crs.

5 Budget Provision : Rs. 253.00 Crs.

6 Expenditure of the project

   2004-05  : Rs. 41.23 Crs. (Mob Adv. Only)
   2005-06  : Rs. 142.25 Crs.
   Cum. Exp. : Rs. 183.48 Crs.

7 Utilisation : 14 TMC

8 Ayacut New : 1,98,000 acres
H.N.S.S PROJECT - PHASE - I

9  Land Acquisition

  Required : 10255.76 acres
  Acquired : 301 acres
  Balance to be acquired : 8369.27 acres

10  Power Required

  : 146 MW / 195711 HPs

LIFT DETAILS :

a) Lift-I

  Lift Height : 48.50 m
  No. of Pumps : 4 Nos.
  Total pumps capacity : 32000 HP

b) Lift-II

  Lift Height : 28 m
  No. of Pumps : 4 Nos.
  Total pumps capacity : 18476 HP

c) Lift-III

  Lift Height : 31.5 m
  No. of Pumps : 4 Nos.
  Total pumps capacity : 20784 HP

d) Lift-IV

  Lift Height : 33.50 m
  No. of Pumps : 4 Nos.
  Total pumps capacity : 22104 HP
H.N.S.S PROJECT – PHASE – I

e) Lift-V
Lift Height : 31.5 m
No. of Pumps : 4 Nos.
Total pumps capacity : 20784 HP

f) Lift-VI
Lift Height : 31 m
No. of Pumps : 4 Nos.
Total pumps capacity : 19924 HP

g) Lift-VII
Lift Height : 27 m
No. of Pumps : 4 Nos.
Total pumps capacity : 17360 HP

h) Lift-VIII
Lift Height : 31 m
No. of Pumps : 4 Nos.
Total pumps capacity : 17024 HP

11 Mobilisation Advance paid/package wise

<table>
<thead>
<tr>
<th>Year</th>
<th>Paid</th>
<th>Recovered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004-05</td>
<td>Rs.41.23 Crs.</td>
<td>---</td>
</tr>
<tr>
<td>2005-06</td>
<td>Rs. 20.96 Crs.</td>
<td>Rs. 12.06</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Rs. 62.19 Crs.</strong></td>
<td><strong>Rs. 12.06</strong></td>
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</table>

12 Target Date : 3/2007
<table>
<thead>
<tr>
<th>PKG No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Investigation Preparation of H.Ps Designs, Drawings and excavation of HNSS main canal from Km (-) 3.420 to 20.00 including CM&amp;CD Works and distributory system to feed an ayacut of 4200 Acres Khariff I.D.</td>
</tr>
<tr>
<td></td>
<td>Rs. 47.00 Cr. 25-02-05 24 months M/s Back bone Projects, Ahmedabad.</td>
</tr>
<tr>
<td>24</td>
<td>- do – Km 20.00 to 42.00 – 2300 Acres</td>
</tr>
<tr>
<td></td>
<td>Rs. 57.78 Cr. 25-02-05 24 months M/s Sushee Hitech Construction, Hyderabad</td>
</tr>
<tr>
<td>25</td>
<td>- do – Km 42.00 to 64.00 – 1900 Acres</td>
</tr>
<tr>
<td></td>
<td>Rs. 56.50 Cr. 26-02-05 24 months M/s Avantika Sai Venkata (J.V.), Nellore</td>
</tr>
<tr>
<td>26</td>
<td>Investigation Preparation of H.Ps Designs, Drawings and excavation of HNSS main canal from Km (-) 64.000 to 77.00 including CM&amp;CD Works and distributory system to feed an ayacut of 5100 Acres Khariff I.D.</td>
</tr>
<tr>
<td></td>
<td>Rs. 55.87 Crs. 07-03-05 24 months M/s ALS-KVR, Dowlaiswaram</td>
</tr>
<tr>
<td>27</td>
<td>- do – Km 77.00 to 100.00 – 5100 Acres</td>
</tr>
<tr>
<td></td>
<td>Rs. 55.35 Crs. 25-02-05 24 months M/s Sushee Hitech Constructin, Hyderabad.</td>
</tr>
<tr>
<td>28</td>
<td>- do – Km 100.00 to 114.00 – 29200 Acres</td>
</tr>
<tr>
<td></td>
<td>Rs. 82.89 Crs. 28-02-05 24 months M/s G. Venkata Reddy &amp; Co, Hyderabad.</td>
</tr>
<tr>
<td>29</td>
<td>Investigation Preparation of H.Ps Designs, Drawings and formation of Pathikunda Reservoir including distributory system to feed an ayacut of 32200 Acres Khariff I.D.</td>
</tr>
<tr>
<td></td>
<td>Rs. 68.69 Croes 10-03-05 24 months M/s RM Mohit &amp; Bhoorathanam, Sec'bad</td>
</tr>
<tr>
<td>30</td>
<td>- do – Km 114.00 to 134.00</td>
</tr>
<tr>
<td></td>
<td>Rs. 39.08 Croes 23-02-05 M/s Engg Projects (I) Ltd, Hyd.</td>
</tr>
<tr>
<td>PKG No.</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>31</td>
<td>Investigation Preparation of H.Ps Designs, Drawings and formation of Pathikunda Reservoir including distributory system to feed an ayacut of 32200 Acres Khariff I.D. Km 134.00 to 135.00</td>
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<tr>
<td>32</td>
<td>- do – Km 155.00 to 176.00</td>
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<tr>
<td>33</td>
<td>- do – Km 176.00 to 192.00 – 20900 Acres</td>
</tr>
<tr>
<td>34</td>
<td>- do – Km 192.00 to 210.00 – 17300 Acres</td>
</tr>
<tr>
<td>35</td>
<td>Investigation Preparation of H.Ps Designs, Drawings and formation of Jidipalli Reservoir &amp; main canal from Km 210.00 to 216.00 including CM&amp;CD Works.</td>
</tr>
<tr>
<td>36</td>
<td>- do – Peruru Branch canal Km 0.00 to Km 6.00 – 80600 Acres</td>
</tr>
</tbody>
</table>

**TOTAL**  Rs. 918.171 Crs.
HANDRI NIVA SUJALA SRAVANTHI PROJECT

Package No.23 / Cat – II

i. Excavation of main canal from Km (-) 3.420 to Km.20.000 including CM&CD works.

ii. Distributory system to feed an ayacut of 4200 acres Kharif ID.

Name of the Contractor : Back Bone Project Ltd., Ahmedabad.
Agreement Amount : Rs. 47.00 Crs.
Agreement Date : 25-2-2005
Period of Completion : 24 Months
Target date of Completion : 2/2007

➢ Investigation : Total length of 23.42 Kms is completed.

➢ Machinery : Deployed 14 Nos (Proclain 3, Driller 1, Tipper 8, Dozer 1, Vibro Max 1)

➢ Expenditure : Rs. 20.16 Crs. (incl. Mob. Adv. Rs. 4.70 Crs.) against Rs. 47.00 Crs.

➢ 2004-05 : Rs. 2.35 Crs. (Mob. Adv.)

➢ 2005-06 : Rs. 17.81 Crs. (Inc. Mob. Adv. Rs. 2.35 Crs.)

➢ Land acquisition : Required - 209 Ha; Requisitioned – 209 Ha; Acquired – Nil;
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.24 / Cat – II

i. Excavation of main canal from Km 20.00 to Km 42.00 including CM & CD Works.

ii. Distributary system to feed an ayacut of 2300 acres Kharif ID.

Name of the Contractor : Sushee Hitech Com. (P) Ltd.,

Agreement Amount : Rs. 57.78 Crs.

Agreement Date : 25-2-2005

Period of Completion : 24 Months

Target date of Completion : 2/2007

Investigation : Total length of 22.00 Kms is completed.

Expenditure : Rs. 10.65 Crs. (Inc. Mob. Adv. Rs. 2.89 Crs.) against Rs. 57.78 Crs.

- 2004-05 : Rs. 2.89 Crs. (Mob. Adv.)
- 2005-06 : Rs. 7.76 Crs.

Land Acquisition : Required – 242 Ha; Requisitioned – 324 ac; Acquired – Nil;
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.25 / Cat – II

i. Excavation of main canal from Km 42.00 to Km.64.00 including CM & CD Works.

ii. Distributory system to feed an ayacut of 1900 acres Kharif ID.

Name of the Contractor: M/S Sri Avantika –Saivenkata (J.V)

Agreement Amount : Rs. 56.50 Crs.
Agreement Date : 7-3-2005
Period of Completion : 24 Months
Target date of completion : 3/2007

➢ Investigation : Total length of 22.00 Kms is completed.

➢ No. of Machinery : Deployed 68 Nos (Proclain 8, Tippers 50, Vibromax 2, Dozers 2, Compressor 2, Water Tankers 3

➢ Expenditure : Rs. 19.09 Crs (incl. Mob. Adv. Rs 2.83 Crs.) against Rs. 56.50 Crs

➢ 2004-05 : Rs. 2.83 Crs. (Mob. Adv.)

➢ 2005-06 : Rs. 16.26 Crs.

➢ Land Acquisition : Required – 245 Ha; Requisitioned - 245 Ha ;

➢ Bottle Necks : Work could not be taken up in full swing because of standing
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.26 / Cat – II

i. Excavation of main canal from Km 64.00 to Km.77.00 including CM & CD Works.

ii. Distributory system to feed an ayacut of 5100 acres Kharif ID.

Name of the Contractor : M/s ALS-KVR
Agreement Amount : Rs. 55.88 Crs.
Agreement Date : 7-3-2005
Period of Completion : 24 Months
Target date of Completion : 3/2007

Investigation : Total Length of 13.00 Km is completed

Qty. of earth work done : 2.7 Lakh cum

Execution : Length 3.6 Km completed against 13.00 KM

Expenditure : Rs. 13.64 Crs. paid (Incl. Mob. Adv. Rs. 2.79 Crs.) against Rs. 55.88 Crs

- 2004-05 : Rs. 2.79 Crs. (Mob. Adv.)
- 2005-06 : Rs. 10.85 Crs.

Land Acquisition : Required – 381 Ha. Requisitioned – 381 Ha. Acquired – Nil;

Bottle Necks : Work could not be taken up in full swing because of standing...
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.27 / Cat – II

i. Excavation of main canal from Km 77.00 to Km 100.00 CM & CD Work.

ii. Distributary system to feed an ayacut of 5100 acres Kharif ID.

Name of the Contractor: M/s Shushee Hitech Con (P) Ltd.,

Agreement Amount: Rs. 55.35 Crs.
Agreement Date: 25-2-2005
Period of Completion: 24 Months
Target date of Completion: 2/2007

- **Investigation**: Total length of 23.00 Km is completed
- **Qty of earth work done**: 1.00 Lakh cum
- **Execution**: Length KM 0.6 KM in progress against KM 2.3
- **Designs of CM&CD works**: Not Programmed
- **Expenditure**: Rs. 2.76 Crs (inc. mob. Adv. Rs. 2.76 Crs.) against Rs. 55.35 Crs
  - 2004-05: Rs. 2.76 Crs. (Mob. Adv.)
- **Land Acquisition**: Required – 219.29 Ha. Requisitioned --- 219.29 Ha
- **Bottle Necks**: Work could not be taken up because of standing corps
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.28 / Cat – II

i. Excavation of Main canal from Km 100.00 to Km.114.00 including CM & CD works

ii. Distributory system to feed an ayacut of 29200 acres Kharif ID.

Name of the Contractor: G. Venkata Reddy & Co.

Agreement Amount : Rs.82.90 Crs.
Agreement Date : 28-2-2005
Period of Completion : 24 Months
Target date of Completion: 2/2007

➢ Investigation : Total length of 14 Kms is completed

➢ Designs of CM&CD Works: Not Programmed during this Period

➢ Machinery : Nil

➢ Expenditure : Rs. 8.30 Crs. (including Mob. Adv. Rs. 8.30 Crs.) against Rs. 82.90 Crs

➢ 2004-05 : Rs. 4.15 Crs. (Mob. Adv.)
➢ 2005-06 : Rs. 4.15 Crs. (Mob. Adv.)

➢ Land Acquisition : Required – 189.4 Ha; Requisitioned – 189.40 Ac; Acquired – Nil;
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.29 / Cat – II

i. Formation of Pathikonda Reservoir and distributory system to feed an ayacut of 32200 acres Kharif ID.


Agreement Amount : Rs.68.69 Crs.
Agreement Date : 10-3-2005
Period of Completion : 24 Months
Target date of Completion : 3/2007

➢ Investigation : Total length of 4.00 Kms is completed and distributory system completed

➢ Design of CM&CD works : Not Programmed during this Period

➢ Expenditure : Rs. 3.71 Crs. (Inc. Mobi. Adv. Rs. 3.43 Crs.) against Rs. 68.69 Crs
   2004-05 : Rs. 3.43 Crs. (Mob. Adv.)
   2005-06 : Rs. 0.28 Crs.

Package No.30 / Cat – II

i. Excavation of main canal from Km 114.00 to Km.134.00 CM & CD Works.

**Name of the Contractor**: M/s Engineering Projects (I) Ltd.,

**Agreement Amount**: Rs.39.08 Crs.

**Agreement Date**: 23-2-2005

**Period of Completion**: 24 Months

**Target date of Completion**: 2/2007

- **Investigation**: Total length of 20.00 Kms completed
- **Design of CM&CD works**: Not Programmed during this Period
- **Machinery**: Deployed 18 Nos (Proclain 2, Tippers 8, Dozers 2, Rollers 2, Water Tankers 2, Compressors 2)
- **Expenditure**: Rs. 11.40 Crores (Inc. Mobi. Adv. Rs. 3.9 Crs.) LA Rs.2.16 Ha against Rs. 39.08 Crs.
  - 2004-05: Rs. 1.95 Crs. (Mob. Adv.)
  - 2005-06: Rs. 9.45 Crs. (Inc Mob Adv. Rs. 1.95 Crs.)
Package No.31 / Cat – II

i. Excavation of main canal from Km 134.00 to Km.155.00 including CM & CD Works.

Name of the Contractor: M/s RMN – GVR (JV)

Agreement Amount: Rs. 65.62 Crs.

Agreement Date: 27-2-2005

Period of Completion: 24 Months

Target date of Completion: 2/2007

Investigation: Total length of 21.00 Kms is completed

Design of CM&CD works: Not Programmed during this Period

Expenditure: Rs. 13.34 Crs. (Incl. Mobi. Adv. Rs. 6.56 Crs.) against Rs. 65.62 Crs.

* 2004-05: Rs. 3.28 Crs. (Mob. Adv.)

* 2005-06: Rs. 10.06 Crs. (Inc. Mob. Adv. Rs. 3.28 Crs.)

HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.32 / Cat – II

i. Excavation of main canal from Km 155.00 to Km.176.000 including CM&CD Works

Name of the Contractor : M/s Back Bone Projects Ltd.,
Agreement Amount : Rs. 77.04 Crs.
Agreement Date : 25-2-2005
Period of Completion : 24 Months
Target date of Completion : 2/2007

- Investigation : Total length of 21.00 Kms completed
- Design (CM&CD works) : Not Programmed during this Period
- Expenditure : Rs. 39.43 Crs (including Mobi. Advance Rs. 7.70 Crs.)
  - 2004-05 : Rs. 3.85 Crs. (Mob. Adv.)
  - 2005-06 : Rs. 35.58 Crs. (inc. Mob. Adv. Rs. 3.85 Crs)
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.33 / Cat – II

**i. Excavation of main canal from Km 176.00 to Km.192.00 including CM& CD Works.**

**ii. Distributary system to feed an ayacut of 20,900 acres Khariff ID.**

**Name of the Contractor**: M/s Engineering Project (I) Ltd.,

**Agreement Amount**: Rs. 58.32 Crs.

**Agreement Date**: 23-2-2005

**Period of Completion**: 24 Months

**Target date of Completion**: 2/2007

- **Investigation**: Total length of 15.15 Kms is completed.

- **Design of CM&CD Works**: Not Programmed during this Period.

- **No. Machinery**: Deployed 14 Nos. (Excavator – 1, Dumpers-4, Tippers-4, Dozers-1, Compressor-2, Tractors-2)

- **Qty. of earth work done**: 2,30,550 cum against 36,00,000 cum

- **Expenditure**: Rs. 11.23 Crs (incl. Mobi. Advance Rs. 4.38 Crs.)
  - 2004-05: Rs. 2.92 Crs. (Mob. Adv.)
  - 2005-06: Rs. 8.31 Crs. (Inc. Mob. Adv. Rs. 1.46 Crs.)

- **Land Acquisition**: Required – 199.5 Ha; Requisitioned – 199.50 Ha;

- **Bottle Necks**: Work could not be taken up in full swing because of standing crops.
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.34 / Cat – II

i. Excavation of main canal from Km 192.00 to Km.210.00 including CM & CD Works.

ii. Distributory system to feed an ayacut of 4200 acres Kharif ID.

Name of the Contractor : M/s Reddy Veeranna (Con) Pvt. Ltd.,
Agreement Amount : Rs. 62.83 Crs.
Agreement Date : 10-3-2005
Period of Completion : 24 Months
Target date of Completion : 3/2007

- Investigation : Total length of 18.00 Kms is completed.

- Design of CM&CD Works : Not Programmed during this Period.

- No. of Machinery deployed : 12 (Excavators 4, Dozers 2, Dumpers and trippers 5, Compressor-1)

- Expenditure : Rs. 4.64 Crores (incl. Mobi. Advance Rs. 3.140 Crs) against Rs. 62.83 Crs.
  - 2004-05 : Rs. 3.14 Crs. (Mob. Adv.)
  - 2005-06 : Rs. 1.5 Crs.

- Land Acquisition : Required – 258 Ha; Requisitioned – 258 Ha;
Package No.35 / Cat – II

i. Excavation of main canal from Km 210.00 to Km 216.00, CM&CD Works.

ii. Formation of Jeedipalli Reservoir at Km 216.300.

Name of the Contractor : M/s RMN-GVR (JV),

Agreement Amount : Rs. 97.89 Crs.

Agreement Date : 16-3-2005

Period of Completion : 24 Months

Target date of Completion : 3/2007

Investigation : Main Canal and Reservoirs are completed.

Execution : 2 Km against Km 14.475

Qty. of earth work done : 2.1 Lakh cum against 57,18,650 cum

Machinery : Deployed 5 Nos (Proclain 1, Tippers 3, Dozer 1)

Expenditure : Rs. 25.12 Crs paid (Incl. Mob. Adv. Rs. 8.81 Crs.) against Rs. 97.89 Crs.

2004-05 : Rs. 4.89 Crs. (Mob. Adv.)

2005-06 : Rs. 20.23 Crs. (Inc. Mob. Adv. Rs. 3.92 Crs.)

Land Acquisition : Required – 1166 Ha; Requisitioned – 441 Ha
HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.36 / Cat - II

i. Excavation of main canal (Perur Branch Canal) from Km 0.00 to Km 6.00 including CM&CD Works.

ii. Distributory system to feed an ayacut of 80,600 acres Khariff ID.

Name of the Contractor : M/s OM-RAY (JV),
Agreement Amount : Rs. 93.296 Crs.
Agreement Date : 10-5-2005
Period of Completion : 24 Months
Target date of Completion : 5/2007

➢ Investigation : (a) Peruru Branch Canal of total length 6.00 Kms completed.

(b) Distributory System for 80,600 acres is in Progress.

➢ Expenditure : Rs. 1.36 Crs. Mob. Advances paid – Nil against 93.296 Crs.

➢ 2005-06 : Rs. 0.01 Crs.

➢ Land Acquisition : Required – 67.75 Ha; Requisitioned : 67.75 Ha

➢ Bottle Necks : Work could not be taken up because of standing crops