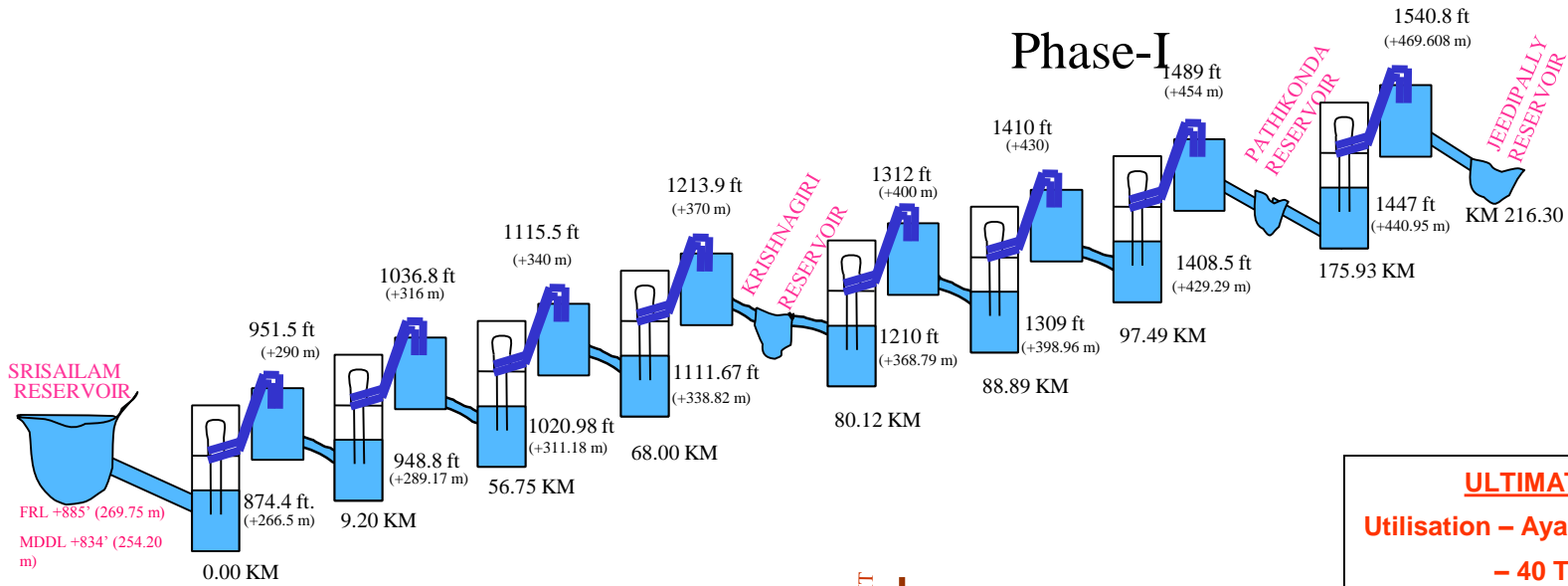


HANDRI NIVA SUJALA SRAVANTHI (IRRIGATION SCHEME) (1.98 LAKH ACRES) SCHEMATIC DIAGRAM OF LIFT PROPOSAL PHASE-1



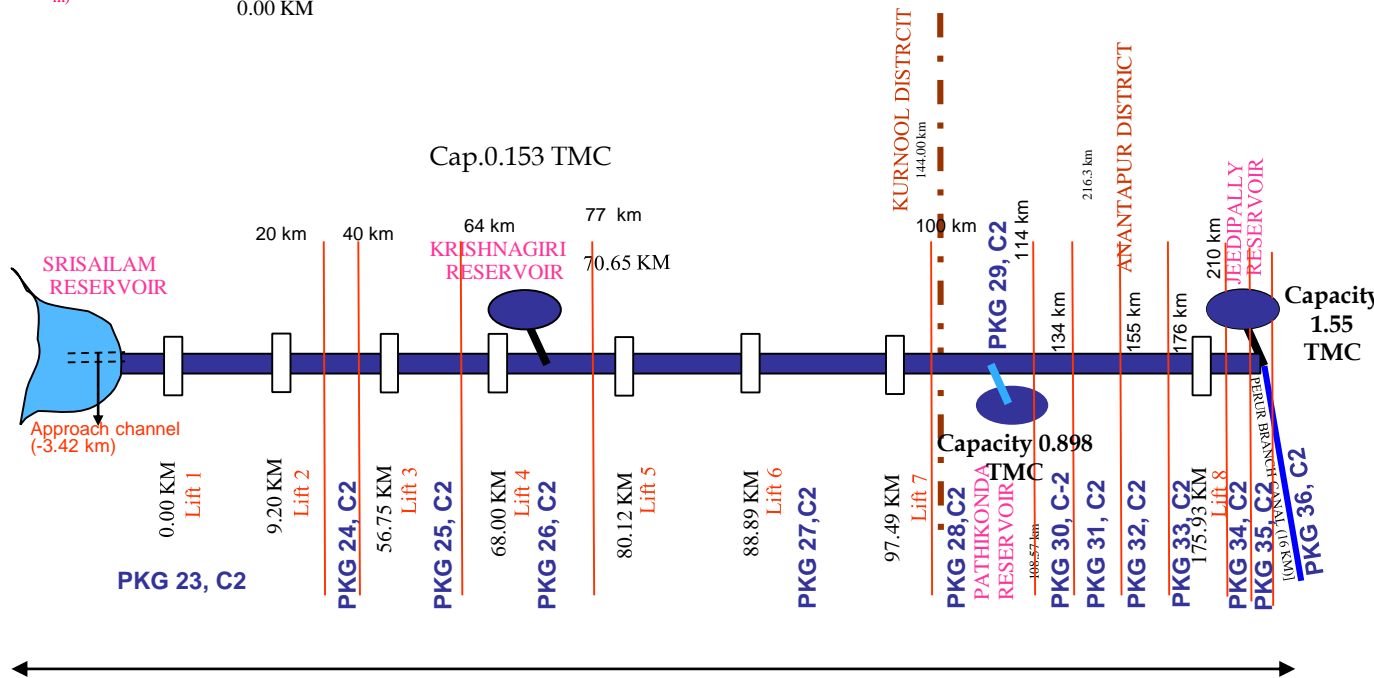
ULTIMATE STAGE

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.)



Capacity 1.55 TMC

Capacity 0.898 TMC

Capacity 1.55 TMC

Capacity 0.898 TMC

Capacity 1.55 TMC

Capacity 0.898 TMC

Legend:

- White box: TENDERS TO BE CALLED
- Blue box: 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

	Paid	Recovered
2004-05	Rs.41.23 Crs.	---
2005-06	Rs. 20.96 Crs. Crs.	Rs. 12.06
Total	Rs. 62.19 Crs. Crs.	Rs. 12.06

12 Target Date

: 3/2007

HANDRI NIVA SUJALA SRAVANTHI PROJECT

PKG No.	Description	Agt. Value & Date Agt. Period	Name of the contractor
23	Investigation Preparation of H.Ps Designs, Drawings and excavation of HNSS main canal from Km (-) 3.420 to 20.00 including CM&CD Works and distributory system to feed an ayacut of 4200 Acres Khariff I.D.	Rs, 47.00 Cr. 25-02-05 24 months	M/s Back bone Projects, Ahmedabad.
24	- do – Km 20.00 to 42.00 – 2300 Acres	Rs, 57.78 Cr. 25-02-05 24 months	M/sSushee Hitech Construction, Hyderabad
25	- do – Km 42.00 to 64.00 – 1900 Acres	Rs, 56.50 Cr. 26-02-05 24 months	M/s Avantika Sai Venkata (J.V.), Nellore
26	Investigation Preparation of H.Ps Designs, Drawings and excavation of HNSS main canal from Km (-) 64.000 to 77.00 including CM&CD Works and distributory system to feed an ayacut of 5100 Acres Khariff I.D.	Rs. 55.87 Crs. 07-03-05 24 months	M/s ALS-KVR, Dowlaiswaram
27	- do – Km 77.00 to 100.00 – 5100 Acres	Rs. 55.35 Crs. 25-02-05 24 months	M/s Sushee Hitech Constructin, Hyderabad.
28	- do – Km 100.00 to 114.00 – 29200 Acres	Rs. 82.89 Crs. 28-02-05 24 months	M/s G. Venkata Reddy & Co, Hyderabad.
29	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.	Rs. 68.69 Croes 10-03-05 24 months	M/s RM Mohit & Bhoorathanam, Sec'bad
30	- do – Km 114.00 to 134.00	Rs. 39.08 Croes 23-02-05	M/s Engg Projects (I) Ltd, Hyd.

HANDRI NIVA SUJALA SRAVANTHI PROJECT

PKG No.	Description	Agt. Value & Date Agt. Period	Name of the contractor
31	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	Rs. 65.62Croes 27-02-05 24 months	M/s RMN – GVR, Hyd
32	- do – Km 155.00 to 176.00	Rs. 77.04 Crs. 23-02-05 24 months	M/s Back bone Projects, Hyd
33	- do – Km 176.00 to 192.00 – 20900 Acres	Rs. 58.32 Crs. 23-02-05 24 months	M/s Engg Projects (I) Ltd
34	- do – Km 192.00 to 210.00 – 17300 Acres	Rs. 62.825 Crs. 10-03-05 24 months	M/s Reddy Veeranna, Bangalore
35	Investigation Preparation of H.Ps Designs, Drawings and formation of Jidipalli Reservoir & main canal from Km 210.00 to 216.00 including CM&CD Works.	Rs. 97.89 Crs.. 16-03-05 24 months	M/s RMN – GVR, Hyd
36	- do – Peruru Branch canal Km 0.00 to Km 6.00 – 80600 Acres	Rs. 93.296 Crs. 10-05-05 24 months	M/s Om – Ray (J.V), New Delhi
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. Distributory 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.2

➤ 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 (Proclaim 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

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

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

Agreement Amount : Rs. 55.35 Crs.

Agreement Date : 25-2-2005

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

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

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

- 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.

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.

Name of the Contractor	: M/s R.M. Mohite & Co., Bhooratnam Construction Co., Pvt. Ltd (JV)
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.
- **Land Acquisition** : Required - 629 Ha. Requisitioned -629 Ha. Acquired -

HANDRI NEEVA SUJALA SRAVANTHI PROJECT

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.)
- **Land Acquisition** : Required 205.53 Ha. Requisitioned 205.53Ha. Acquired –

HANDRI NEEVA SUJALA SRAVANTHI PROJECT

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 (JV) : M/s RMN - GVR

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.)
- **Land Acquisition** : Required - 264.42 Ha. Requisition 264.42 Ha. Acquired - Nil;

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)

➤ **Land Acquisition** : Required - 255 Ha. Requisitioned 124 Ha. Acquired - 123.6 ac

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. Distributory 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.

HANDRI NEEVA SUJALA SRAVANTHI PROJECT

Package No.35 / Cat - II

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

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

Agreement Amount : Rs. 97.89 Crs.

Agreement Date : 16-3-2005

ii. Formation of Jeedipalli Reservoir at Km.216.300.

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 (Proclaim 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