

SAAHI INFRATECH INDIA PVT. LTD.

PROJECT REPORT
(May 2015 - Oct 2015)

**RESTORATION OF GIDDA KUNTA TANK, DAMERA (V),
ATHMAKUR (M), WARANGAL DIST...**



TABLE OF CONTENTS

SALIENT FEATURES OF THE PROJECT	3
PHYSICAL PROGRESS OF THE PROJECT	4
STATUS OF LAND ACQUISITION AND UTILITY SHIFTING.....	6
UNRESOLVED ISSUES.....	6
MOBILISATION STATUS OF SAAHI INFRATECH INDIA PVT. LTD.	7
SAFETY	8
ANNEXURES	9
Annexure A - Project Layout Plan	10
Annexure B - Status of Drawings	15
Annexure C - Project Program	15
Annexure D - Financial Progress of Work.....	16
Annexure E - List of Machinery.....	19
Annexure F - Progress Photographs.....	20

* ----- *

SALIENT FEATURES OF THE PROJECT

Introduction:

Name of the Project	- RESTORATION OF GIDDA KUNTA TANK, DAMERA(V), ATHMAKUR(M), WARANGAL DIST.
Name of Client	- I & CAD, Government of Telangana
Name of Contractor	- SAAHI INFRATECH INDIA PVT. LTD.
Agreement Details	- Awaited
Project Cost	- 16,11,284.00 (As per G.O.MS.No.68, Dated 22-04-2015)
Project Actual Cost as per site work	- 33,07,798.00
Start Date	- 25-May-2015
Completion Date	- 20-Oct-2015

PHYSICAL PROGRESS OF THE PROJECT

A. Abstract Estimate Silt in Tank Bed

Sl.no	Item	Description of item	Units	Estimate Quantity	Actual Quantity	%
1	IRR-PMW-1-16	Cutting & burning or disposing off Apu/Jondu from marshy areas as directed initial lead up to 50m & all lifts	Sqmt	14,400.00	14,400	100
2	IRR-CAW-1-2	Silt excavation in tank bed and loaded in local transport	Cum	7,650.00	7,650	100

B. Abstract Estimate Bund

S.no.	Item	Description of item	Units	Estimate Quantity	Actual Quantity	%
1	IRR-PMW-1-16	Cutting & burning or disposing off Apu/Jondu from marshy areas as directed initial lead up to 50 m & all lifts	Sqmt	3,600.00	4,653	129
2	IRR-PMW-3-22	Providing homogeneous embankment using soil from approved borrow area in layers of 25 to 30 cm before compaction including cost of all materials, machinery, labor, all operations such as excavation, sorting out, transportation, spreading soil in layer of specified thickness, breaking clods, sectioning, etc., materials, machinery, labor, all operations such as watering, compacting to density control of not less than 95 percent or as stipulated using 8T roller etc., complete with initial lead up to 1 Km & all lifts	Cum	2,644.65	6,500	245

C. Abstract Estimate of Weir

S.no.	Item	Description of item	Units	Estimate Quantity	Actual Quantity	%
1	IRR-PMW-3-22/23	Earth work in excavation in all kinds of soils of foundation of structures as per drawing & technical specification, including setting out, construction of shorting & bracing, removal of stumps technical specification, including setting out, construction of shorting & bracing, removal of stumps & other deleterious matter, dressing of sides & bottom & backfilling with approved material. Depth up to 3 m	Cum	83.40	79.5	95

Sl.no	Item	Description of item	Units	Estimate Quantity	Actual Quantity	%
2	IRR-CCDW-2-5	Providing & laying inside vibrated M-10(28 days cube compressive strength not less than 10N/sq. mm) grade cement concrete using 40 mm done size approved, clean, hard, graded aggregates for foundation filling including cost of all materials, machinery, labor formwork, cleaning, batching, mixing, placing in position, leveling, vibrating, finishing, curing etc., complete with initial lead up to 50 m& all lifts. (cement content: 220 kg/cum with use of super plasticizer(0.4% by wt. of cement), CA: 0.90cum, Blending Ratio of CA-- 50:30:20,FA: 0.40cum)	Cum	76.20	-	-
3	IRR-CCDW-2-10	Providing & laying inside vibrated M-15 (28 days cube compressive strength not less than 15 N/sq. mm) grade cement concrete using 20 mm down size approved, clean, hard, graded aggregates for sub-structure / super-structure works including cost of all materials, machinery, labor, formwork, scaffolding, cleaning, batching, mixing, placing, in position, leveling, vibrating, finishing, curing etc., complete with initial lead up to 50 m & all lifts. (Cement content: 280 kg / cum with use of super plasticizer(0.4% by wt. of cement),CA: 0.80cum, Blending Ratio of CA-- 65:35,FA:0.45 cum)	Cum	27.45	79.50	289

D. Extra Works (On Sarpanch instructions)

S.no.	Item	Description of item	Units	Estimate Quantity	Actual Quantity	%
1	-	Pitching work on both sides slopes of the Bund	Sq.ft	-	20891.66	100
2	-	Bathukamma stage construction and statue installation	No's	-	1	100
3	-	Carriage way stone pitching work on the top of bund	Sq.ft	-	5000	100

NOTE:- The above quantities are as per Department Estimates. Actual shall change as per site.

STATUS OF LAND ACQUISITION AND UTILITY SHIFTING

A. Status of Land Acquisition

- Boundaries were marked by MRO and VRO in which the following encroachments were identified,
 - i. Agricultural plot by local villager.
 - ii. Two houses with on Electrical Transformer
 - iii. Veterinary Hospital
 - iv. Aaganwadi

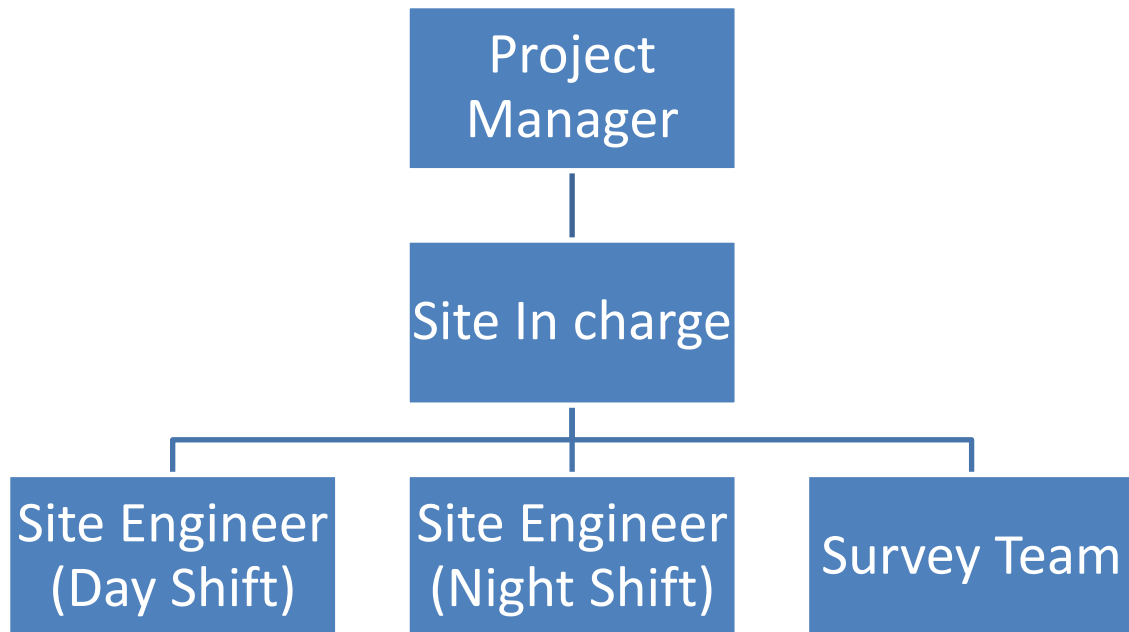
B. Utility Shifting

- Shifting of Electrical Transformer is awaited.

UNRESOLVED ISSUES

Sr. No.	Activity	Present Status	Remarks
1.	Agreement to Saahi Infratech India Pvt. Ltd.	Pending	Saahi Infratech has started the works on assurance from Executive Engineer Mr. Gopal Rao regarding issue of agreement.
2.	Land Acquisition		It was informed to Village Sarpanch that as per the survey report, the encroachments shall be submerged in case of full reservoir scenario.
	a) Encroachment	Pending	
3.	Utility Shifting	Not Started	
	a) Electric Transformer	Pending	-
	b) Water Pipelines	New route need to be identified for laying the existing water pipe line	Village Sarpanch shall take it up accordingly.
4.	Other issues (if any)		

MOBILISATION STATUS OF SAAHI INFRATECH INDIA PVT. LTD.



SAFETY

SAFETY REPORT (19-May-2015 to 20-Oct-2015)
GIDDA KUNTA TANK, DAMERA(V), ATHMAKUR(M), WARANGAL DIST

S.No	Items	Damera Site	
		Saahi	Contract
1	Avg. manpower	2	21
2	Total man-hours worked till date	3,504	48,348
3	No. of lost time incident	-	-
4	Lost work days	8	10
5	No. of first aid injury	5	10
6	No. of medical incident	1	3
7	Modified workdays	-	-
8	No. of motor vehicle accident	-	-
9	No. of near miss	-	-
10	No. of unsafe act	-	-
11	No. of unsafe condition	5	5
12	No. of fatality	0	0
13	Training hrs. on health and safety	44	44
14	Property damage (RTA)	0	0
15	Daily pep talk	10	10
16	Tool box talk	1	1
17	No. of safety induction	5	15
18	Defensive Driving Training (Persons)	-	-
19	No of One Minute Risk Assessment	10	10
20	No of Suggestions Received	-	4
21	No. of H&S meeting held	12	12
22	No. of customer site risk assessment	-	-
23	Avg. Tonnage Moved	-	3,190
24	Total Tonnage	-	15,951
25	No of VFL interactions	4	-
26	No of hours spent on VFL	20	4
27	No of people trained in VFL (currently)	2	1
28	No. of working days in the month (company)	175	175
29	Kilometers driven (company)	10,500	-
30	Kilometers driven (all contractors)	-	25,250
31	Number of SER conducted	-	-
32	No. of audits planned	5	-
33	No. of audits conducted	5	-
34	Employees newly hired by Saahi	-	-
35	Employees returning to work after/more than 7 days absence through illness or injury	-	-
36	Employees transferred to a new job where the potential health risks have changed	-	-
37	Employees exposed to a health risk and required to have a health assessment	-	-
38	Number of health assessments scheduled (normally)	5	5

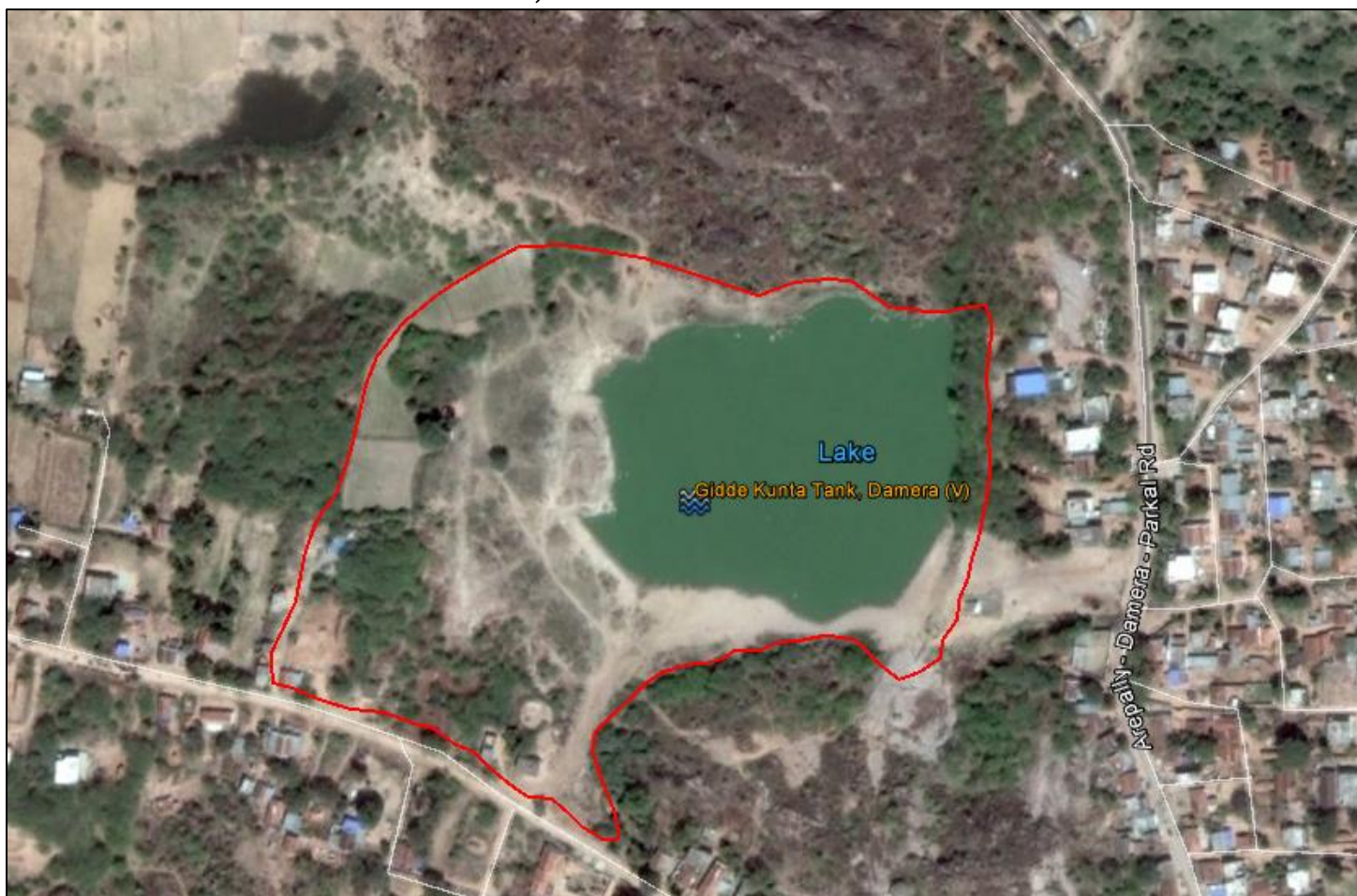
ANNEXURES

- A. Project Layout Plan
- B. Status of Drawings
- C. Project Program
- D. Financial Progress of Work
- E. List of Machinery
- F. Photograph

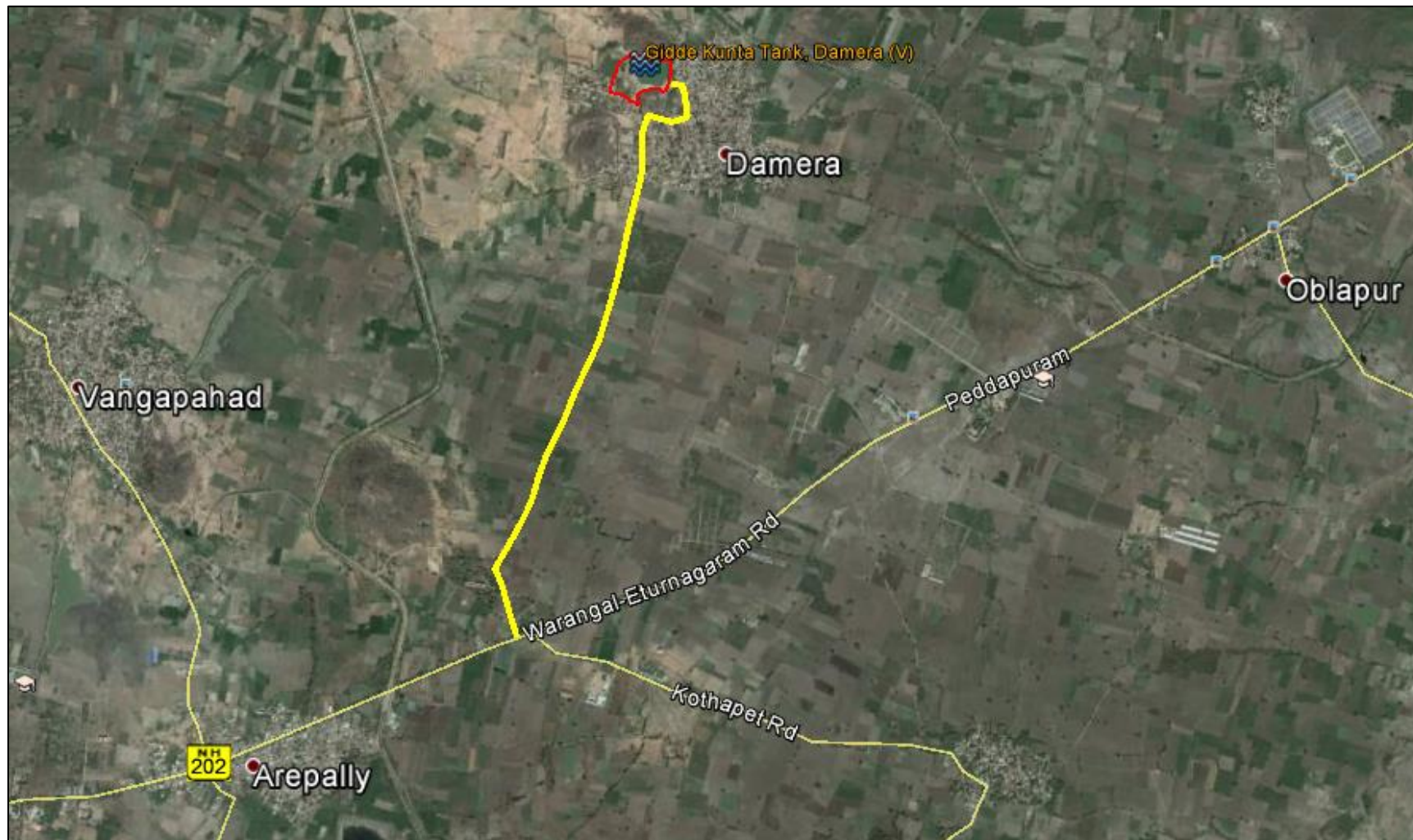
Annexure A - Project Layout Plan

Project:

Location Coordinates: 18.058294, 79.636550



Route Map:

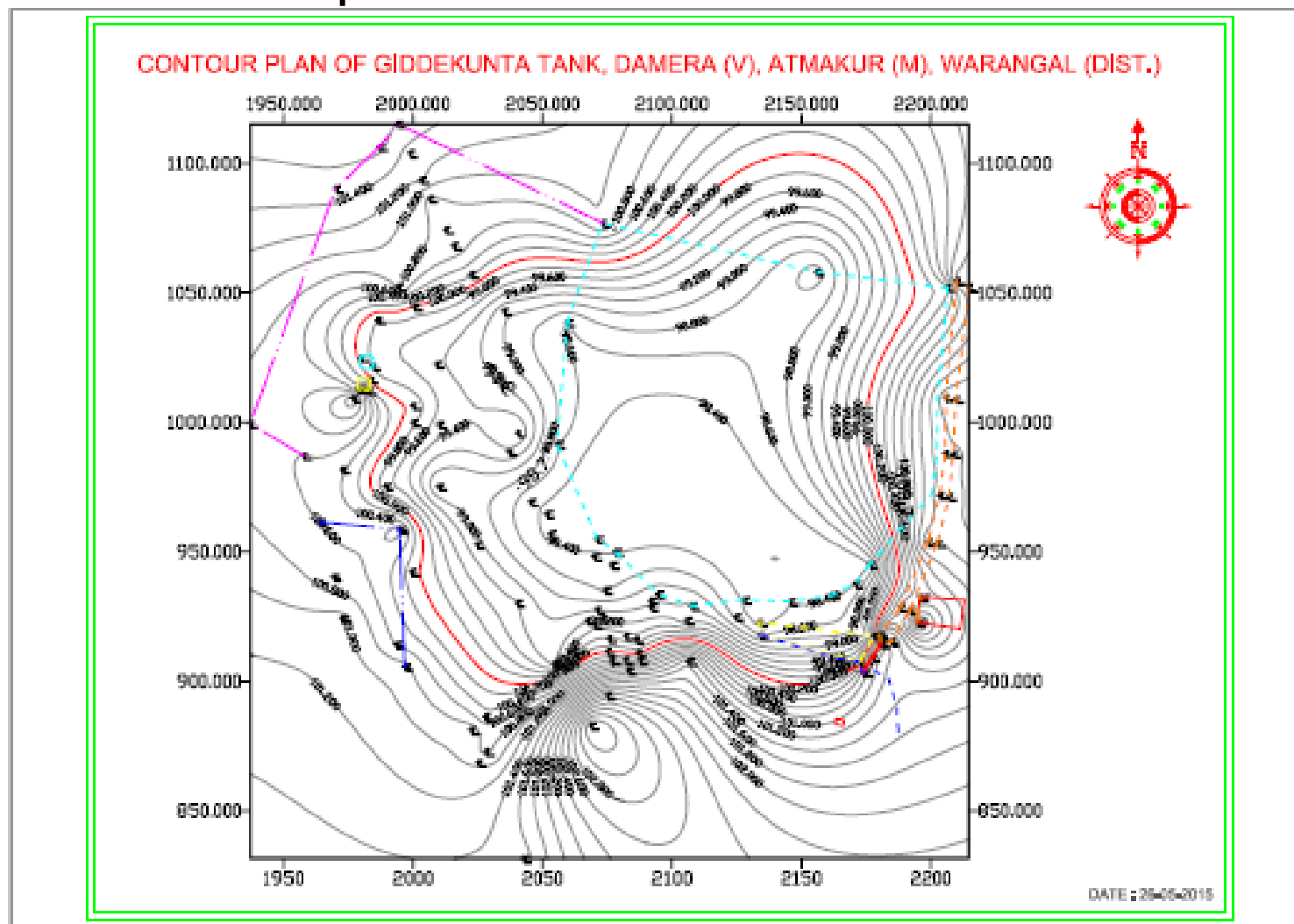


Contour Map:

1. Google Map with Contours Levels

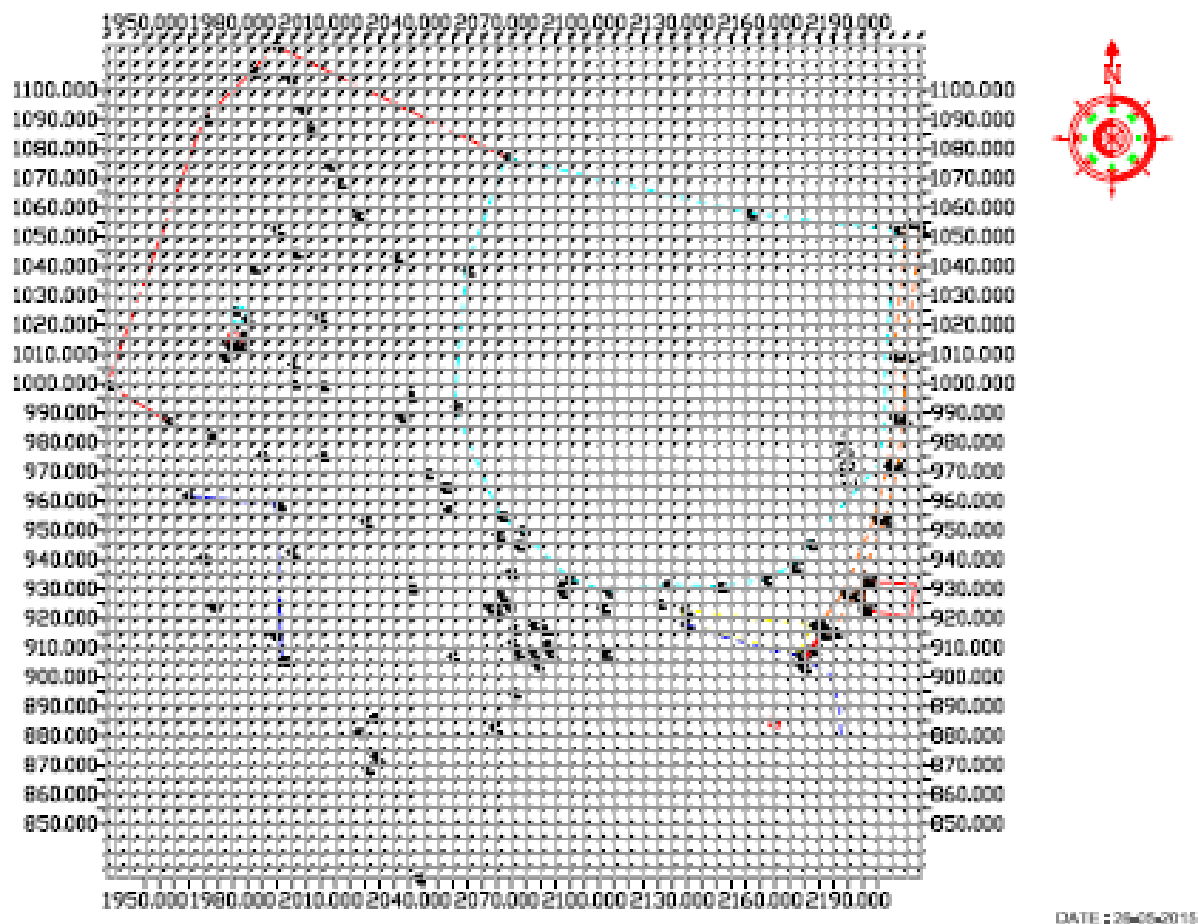


2. Contour Map



3. Contour Grid Map

GRID PLAN OF GIDDEKUNTA TANK, DAMERA (V), ATMAKUR (M), WARANGAL (DIST.)



Annexure B - Status of Drawings

Received reference tender drawings pertaining to Weir and Bund from department.

Annexure C - Project Program

Work Program for Restoration of Gidde Kunta Tank, Damera (v), Athmakur (m), Warangal.			Week	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24
			End	24-May-15	31-May-15	07-Jun-15	14-Jun-15	21-Jun-15	28-Jun-15	05-Jul-15	12-Jul-15	19-Jul-15	26-Jul-15	02-Aug-15	09-Aug-15	16-Aug-15	23-Aug-15	30-Aug-15	06-Sep-15	13-Sep-15	20-Sep-15	27-Sep-15	04-Oct-15	11-Oct-15	18-Oct-15	25-Oct-15	01-Nov-15
	Completion Date	20-Oct-15	Start	18-May-15	25-May-15	01-Jun-15	08-Jun-15	15-Jun-15	22-Jun-15	29-Jun-15	06-Jul-15	13-Jul-15	20-Jul-15	27-Jul-15	03-Aug-15	10-Aug-15	17-Aug-15	24-Aug-15	31-Aug-15	07-Sep-15	14-Sep-15	21-Sep-15	28-Sep-15	05-Oct-15	12-Oct-15	19-Oct-15	26-Oct-15
Sl.no	Activities	Start	Finish																								
1	Agreement																										
2	Mobilization	19-May-15	22-May-15																								
3	Site Cleaning (Lake and Bund)	23-May-15	24-May-15																								
4	Silt Excavation	25-May-15	04-Jun-15																								
5	Repair to Bund	05-Jun-15	27-Jun-15																								
6	Repair to Weir	08-Jun-15	13-Jul-15																								
7	Bund Slope Pitching work	14-Jul-15	07-Oct-15																								
8	Bathukamma statue and stage	01-Oct-15	20-Oct-15																								
9	Bund carriage way stone pitching	08-Oct-15	17-Oct-15																								
10	Cut-off wall stone pitching	18-Oct-15	20-Oct-15																								

Annexure D - Financial Progress of Work

Sl.no	Item	Description of item	Quantity		Units	Amount based on Department Rates		
			Estimated	Actual		Rate	Estimated	Actual
A. Abstract Estimate Silt in Tank Bed								
1	IRR-PMW-1-16	Cutting & burning or disposing off Apu/ Jondu from marshy areas as directed initial lead up to 50m & all lifts	14,400.00	14,400.00	sq. M	1.90	27,360.00	27,360.00
2	IRR-CAW-1-2	Silt excavation in tank bed and loaded in local transport					-	-
3		Excavation& removal of Un useful top soil from tank bed	-	7,904.00	Cu.M	71.50	-	5,65,136.00
5		Net Qty	5,005.35	-	Cu.M	40.10	2,00,714.54	-
6		2.00 K.M Lead Charges As per SSR	5,005.35	-	Cu.M	43.97	2,20,085.24	-
		Sub Total for Silt Removal					4,48,159.77	5,92,496.00
B. Abstract Estimate Bund								
1	IRR-PMW-1-16	Cutting & burning or disposing off Apu/ Jondu from marshy areas as directed initial lead up to 50 m & all lifts	3,600.00	4,653.00	Sq. M	4.40	15,840.00	20,473.20
2	IRR-PMW-3-22	Providing homogeneous embankment using soil from approved borrow area in layers of 25 to 30 cm before compaction including cost of all materials, machinery, labor, all operations such as excavation, sorting out, transportation, spreading soil in layer of specified thickness, breaking clods, sectioning, etc., materials, machinery, labor, all operations such as watering, compacting to density control of not less than 95 percent or as stipulated using 8T roller etc., complete with initial lead up to 1 Km & all lifts	2,644.65	6,500.00	Cu.M	163.00	4,31,077.95	10,59,500.00
		Sub Total for Bund					4,46,917.95	10,79,973.20

Sl.no	Item	Description of item	Quantity		Units	Amount based on Department Rates		
			Estimated	Actual		Rate	Estimated	Actual
C. Abstract Estimate of Weir								
1	IRR-PMW-3-22/23	Earth work in excavation in all kinds of soils of foundation of structures as per drawing & technical specification, including setting out, construction of shorting & bracing, removal of stumps technical specification, including setting out, construction of shorting & bracing, removal of stumps & other deleterious matter, dressing of sides & bottom & backfilling with approved material. Depth up to 3 m	83.40	33	Cu.M	93.00	7,756.20	3,069.00
2	IRR-CCDW-2-5	Providing & laying inside vibrated M-10(28 days cube compressive strength not less than 10N/sq. mm) grade cement concrete using 40 mm done size approved, clean, hard, graded aggregates for foundation filling including cost of all materials, machinery, labor formwork, cleaning, batching, mixing, placing in position, leveling, vibrating, finishing, curing etc., complete with initial lead up to 50 m& all lifts. (cement content: 220 kg/cum with use of super plasticizer(0.4% by wt. of cement), CA: 0.90cum, Blending Ratio of CA--50:30:20,FA: 0.40cum)	76.20	-	Cu.M	5,149.27	3,92,374.37	-

Sl.no	Item	Description of item	Quantity		Units	Amount based on Department Rates		
			Estimated	Actual		Rate	Estimated	Actual
3	IRR-CCDW-2-10	Providing & laying inside vibrated M-15 (28 days cube compressive strength not less than 15 N/sq. mm) grade cement concrete using 20 mm down size approved, clean, hard, graded aggregates for sub-structure / super-structure works including cost of all materials, machinery, labor, formwork, scaffolding, cleaning, batching, mixing, placing, in position, leveling, vibrating, finishing, curing etc., complete with initial lead up to 50 m & all lifts. (Cement content: 280 kg / cum with use of super plasticizer(0.4% by wt. of cement), CA: 0.80cum, Blending Ratio of CA--65:35,FA:0.45 cum)	27.45	79.50	Cu.M	6,058.46	1,66,304.73	4,81,647.57
		Sub Total for Weir					5,66,435.30	4,84,716.57
D. Extra Works								
1	-	Pitching work on both sides slopes of the Bund	-	20891.26	Sq.ft	31	-	9,09,151.58
2	-	Bathukamma stage construction and statue installation					-	1,14,707.92
3	-	Carriage way on the top of bund by installing soft surface stones	5000	5000	Sq.ft	31	-	1,26,753.20
		Sub Total for Extra Works						11,50,612.70
Grand Total for all works (A+B+C+D) (Excluding Taxes)							1,461,513.00	33,07,798.00

Annexure E - List of Machinery

Sl. no	Machinery	Nos	Mobilization Period							
			22-May-2015 to 10-Jun-2015	11-Jun-2015 to 30-Jun-2015	01-July-2015 to 20-July-2015	21-July-2015 to 10-Aug-2015	11-Aug-2015 to 31-Aug-2015	1-Sep-2015 to 20-Sep-2015	21-Sep-2015 to 30-Sep-2015	01-Oct-2015 to 20-Oct-2015
1	JCB	2	Y	Y	Y	N	N	N	N	Y
2	Excavator - TATA HITACHI 200	1	Y	N	N	N	N	N	N	N
3	Tractor Dozer	1	Y	Y	Y	Y	Y	Y	Y	Y
4	Tippers - 6 Tires	2	Y	N	N	N	N	N	N	Y
5	Tractors	5	Y	Y	N	N	Y	Y	Y	Y
6	Earth Compactor - 10 T	1	N	Y	Y	N	Y	N	N	N
7	Baby Compactor	1	N	Y	N	N	N	N	N	N
8	Needle Vibrator	3	N	Y	Y	Y	N	N	N	N
9	Transit Mixtures	4	N	Y	Y	Y	N	N	N	N
10	Concrete Pump	1	N	Y	Y	Y	N	N	N	N

Legends: Y - Yes; N - No

Annexure F - Progress Photographs

1. Bund Prior to start of Execution



2. Bund during Execution



3. Silt Excavation under progress (Excavator with Tipper)



4. Silt Removal under progress (JCB with Tractor)



5. Stone Boulder Removal under progress



6. Construction of mini bund on the Tank Boundary West side



7. Survey in progress with Total Station



8. Bund construction under progress



9. Shuttering work at downstream side cut off wall



10. Shuttering for Cut off wall under progress



11. Cut of wall checking with leveling pipe



12. Anchoring in progress at Weir downstream side



13. Concreting (M15 grade) in progress (Clockwise: Apron concreting , Cut of wall concreting and Weir top concrete finishing)



14. Soil Removal on Weir Upstream for concreting



15. Weir ring shuttering work under progress



16. Weir top width final finishing



17. Weir Apron 2 concreting and Weir ring concreting under progress



18. Curing under progress



19. Bund final rolling under progress



20. Bund downstream side pitching work under progress



21. Pitching work and boulders supply under progress



22. Bund side drains works under progress



23. Pitching work completed view on downstream side



24. Bathukamma Stage foundation work under progress



25. Bathukamma foundation work under progress



26. Bathukamma stage finishing work



27. Bund side drains under progress



28. Carriage way laying work under progress



29. Cut of wall pitching work under progress at weir D/S side



30. Finished view of Tank upstream side.



31. Finished view of Tank downstream side and Bathukamma statue



32. Finished view of Tank downstream side another view



33. Bathukamma Statue with stage

