

# *Albany Andhra Association*

## *Project Charter and Plan*

*Water Plant, Kongapadu Vilage,  
Prakasam district.*

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*Date: 01/28/2017*

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**Contents**

- 1. Project Description..... 3
- 2. Project Purpose..... 3
- 3. Business Case ..... 3
- 4. Business Requirements..... 3
- 5. Assumptions..... 3
- 6. Constraints ..... 4
- 7. Risks ..... 4
- 8. Project Deliverables ..... 4
- 9. Project Milestones ..... 4
- 10. Project Manager ..... 6
- 11. Project Roles and Responsibilities..... 6
- 12. Project Life Cycle Methodology and Tools..... 7
- 13. Authorization..... 7

*Note: Select all (ctrl + A) and hit the "F9" key to update all document references and the table of contents*

## 1. Project Description:

To provide water purification plant for the fluoride ridden village Kongapadu in Prakasam District.

## 2. Project Purpose

Kongapadu village is located in Addanki Mandal, Prakasam district. In a total there are approximately 700 people living in the village. Though village has an existing water supply sourced from a well digged in Gundlakamma River. The River is about a Kilometer distance from the village. Supply of water is not consistent due to lack of rain, repairs to long pipeline which carries water from river to village. Since the water is from the well which is in the region of high fluoride content in the ground water, the untreated water is causing lot of health issues to the villagers. The Village panchayat was not able to install water purifying plant due to lack of funds. The proposal is to dig a new bore well and build a water plant that continuously feed purified drinking water to the plant. Panchayat is committed to take care of the new bore well and ongoing maintenance once the plant once it is established.

## 3. Business Case

By executing this project, will meet AAA objective of “To serve backward regions of Andhra Pradesh through sustainable community based projects in public health, medical, education, sanitation and cultural propagation”.

## 4. Social Requirements

1. Water Analysis
2. Equipment needed to purify drinking water
3. Installation of plant
4. Kongapadu village Panchayat will cover the operating costs such as bore well, electricity bills and replacement filters.

## 5. Assumptions

- a) The major funding source for this project is to be provided by a group of people from Kongapadu Village. **Surendra Babu Kari**, Gaddamadugu Suresh Babu, Cheedara Sudhakararao, Jagarlamudi Prasannajaneyulu, Narra Ramanjaneyulu
- b) AAA would be augmenting the funds required by the project, there will be local participation from the village.
- c) Water Source, Shed construction for plant, Electricity source and Raw Water tank to be supplied by village.

- d) AAA will provide initial maintenance, guidance and procedures for future maintenance. Will develop road-map for future sustenance.

## 6. Constraints

- a) Plan must be operational by 3/1/2017  
 b) Finding appropriate resources at the Village level to contribute towards the project.  
 c) Planning for sustainable plant maintenance program

## 7. Risks

None

## 8. Project Deliverables

The final product of this project is assembled unit or 1000 LPH water plan installed and operational. The assembled unit consists of the below parts

### Capacity : 1000LPH RO WATER PLANT

S no	Particular	Qty	Specification	Make
1	Raw Water Pump CI	1no	1Hp Single phase	LEO or Kirlosker
2	Multi grade Filter	1no	Poly glass , Size - 1465	Pentair
3	Carbon Filter	1no	Poly glass, Size - 1465	Pentair
4	Filtering media	1 Lot	River	Good Quality
5	Activated carbon NORIT USA	1 bags	River media, Activated carbon	Good Quality
6	Multiport Valves	2no's	25 NB	Initiative
7	Pressure gazes	4no's	SS - 21/2 inch	Waree or Forbes Marshall
8	Anti scale Dosing System	1no	6 Lph	E-Dose or Milton roy
9	Anti scale tank	1no	40ltrs	HDPE - White
10	Silica Anti scale chemical can	5 kg	FDA APPROVED	Dow Accumer
11	RO Block Skid	1no	SS 304 - 40mm	Good Engineering
12	Flow meters	2no's	1200,3000	Aster
14	Control Panel Board	1no	Digital	Aster
15	Cartridge housings	2no's	<u>Poly propylene</u> 20inch Jumbo	Gopani
16	Wound Filters	2no's	110 mm dia 20 inch long	Gopani
17	High pressure pump	1no	Single phase	CNP or Leo
18	Membrane Housing	1no	FRP / size 80/40	UKL

19	Membranes	1no's	8inch	Dow
20	Permeate water storage tank	1no	2000ltrs / SS	NOVA
21	UV Treatment system	1no	SS304	ALPHA
22	Floats	2no's	Concealed sensor	Sinicon
23	Pipes and fittings(Raw water pump Outlet to permeate distribution)	1lot	UPVC	Astral
24	Related Materials	1lot	Nut and Bolts and others	SS 304
25	Low and High Pressure switches	2 No.	NO, NC Type	Aster
26	Raw water storage tank	1 No	HDPE ,2000 LTRS	SINTEX reno

## 9. Project Milestones

Identify the project milestones.

Milestone Date	Milestone Name	Milestone Description
15-Nov-2016	Submission of Project Request	Complete
12/01/2016	Approval of Project Request by AAA Board	Complete
12/05/2016	Begin Procurement Process	In-Progress
12/31/2016	Get Quotes	Complete
01/15/2017	Evaluate Quotes	Complete
01/06/2017	Necessary Documentation completed by Village Panchayat	Complete
01/25/2017	Construction on Sched for water plant by village	Complete
01/31/2017	Award the Contract	In-progress
02/12/2017	Receive Goods	
02/24/2017	Install Equipment	
03/01/2017	Conduct Inauguration event	
03/15/2017	Setup maintenance team	
09/30/2017	Continuous Monitoring or operation	
10/30/2017	Lessons learned	
11/15/2017	Project Closure report	

## 10. Project Manager

Shiva Ganapatiraju along with Raman Kota will be Managing this project from the initiation to the closure. The below are the duties.

- 1) Prepare the Project Schedule
- 2) Assign Resources for the project activities
- 3) Begin Procurement Process
- 4) Define Procurement Methodologies
- 5) Present the Quotes to the Board
- 6) Get approval from the Board
- 7) Release PO's
- 8) Award contracts
- 9) Maintain Documentation
- 10) Submit status reports to the Board.

## 11. Project Roles and Responsibilities

Define the other key roles and responsibilities within the project team. For example, if the project team has functional team leads, then document them here. The table below provides a quick way to identify specific people within a role:

Name	Role	Responsibilities
Shiva Ganapatiraju	Project Manger	As listed above
Raman Kota	Project Lead	Find Local Partnership Help finding the Work force for the Project Provide Assistance in preparing status Report Ensure work is completed as per stated in the documents Ensure Project goals are attained Ensure Project Status Reports are Submitted
Chandra Narisetty	Project Purchase Officer	Ensure proper Process is followed in Selection of Vendors and cost Help project manage in getting Quotes
Mahesh Nallamothe	Secretary	Validate all the quotes for the project Ensure funding stream for the Project Documentation as per requirements
Vankata Srinivas Nidamanuri	President	Due diligence or the activities
Chandra Sekhar	Treasurer	Due diligence or the activities

## 12. Project Life Cycle Methodology and Tools

The Project shall follow Agile Scrum Process for Development of the application and shall take up the Sprints and Assign appropriate resources for the same.

All documentation will be maintained in AAA Website.

## 13. Authorization

Provide the names of those business sponsors that must sign the Project Charter. Once the project Charter is signed by the project sponsors, the project is authorized to start.

### AAA Board Approval

\_\_\_\_\_ Date: \_\_\_\_\_

Approved by the Project Sponsor: [Venkata Srinivas Nidamanuri – **President**]

\_\_\_\_\_ Date: \_\_\_\_\_

Approved by Project Major Donor: [Surendra Kari]

\_\_\_\_\_ Date: \_\_\_\_\_

[Raman Kota – Project Lead]

\_\_\_\_\_ Date: \_\_\_\_\_

[Chandra Sekhar Narisetty – Purchasing officer]

\_\_\_\_\_ Date: \_\_\_\_\_

[Mahesh Nallamothu - **Secretary**]

\_\_\_\_\_ Date: \_\_\_\_\_

[Chandra Sekar- **Treasurer**]

\_\_\_\_\_ Date: \_\_\_\_\_

[Chandra Sekhar - BOA]

\_\_\_\_\_

Date: \_\_\_\_\_

[Chandini Kilaru - BOA]