BRIEF NOTES

The RFCL Ramagundam revival project considers new Gas based mega capacityAmmonia-Urea fertilizer complex mainly comprise up of Ammonia Unit (based on naturalgas feed), Downstream Urea unit & Associated Utilities and Offsite facilities. Presently aJoint Venture company involving the major three stakeholders, National FertilizersLimited (NFL), Engineers India Limited (EIL) and Fertilizer Corporation of India Limited(FCIL) has been formed.

Objectives & Scope

• Objective of the RFCL Ramagundam revival project is to produce 1.27 million MetricTonne Per Annum of Neem Coated Urea.

• It flows from the objective of the financial rehabilitation proposal of FCIL approved byCCEA on 04.08.2011 as under:

1) Enhancing domestic Urea production by establishing Urea capacity of atleast 1.15 million MT at each unit of FCIL.

2) Enable The Fertilizer Corporation of India Ltd(FCI) to settle all its existing dues and make its Net Worth positive.

Need of the Project

• India had started import of Urea as Fertilizer from 2003-2004. Over the years Urea Imports gradually increased, looking into the demand supply gap GoI decided to Revivethe closed Fertilizer Plants

• As per directive of GoI, the closed Fertilizer Complexes needs to be revived in Order tomeet the domestic requirement of Urea Fertilizer to achieve food Security.

The work has been administratively sanctioned for Rs.85 Crores vide GORT no: 59, Dt.15-09-2017 of Panchayat raj and rural development (RWS-IV) department.

Scope of work:

The government has instructed to provide raw water supply to RFCL. **0.55 TMC** of water has been allocated from the Yellampalli project to the RFCL. The project is 30.00 Km away from the factory. The RFCL officials have requested to give water to the existing storage tank in RFCL. The RFCL is located near Ramagundam corporation and is a major industrial unit for producing fertilizers based on natural gas. The old project is being upgraded to suit the new requirements. The Industry

requires large volume of water both for industrial and domestic purpose for the employees. The industry will give employment to large no of people for local and technical people all around the state.

Water source of the Project:

The Source of the project is Yellampalli reservoir on Godavari river in Ramagundammandal. It is an irrigation reservoir. The total capacity of the Yellampalli project is 20.18 TMC. The dead storage capacity of the project is 0.69 TMC. The TDWSP, HMWSSB and NTPC Ramagundam utilize the project water. The requirement of this project is **0.55 TMC** from the source.

The other technical details which are proposed are as follows:

Full reservoir level	:	148.000	m
Dead storage level	:	138.300	m
Present water drawal level	:	132.855	m
Dead storage capacity	:	0.69	TMC
Full capacity	:	20.18	TMC

Plan of the project:

The water is planned to be collected from the foreshore of the Yellampalli reservoir by constructing a pump house near reservoir and erecting of suitable pumps. The water will be pumped to the reservoir at RFCL plant located near Ramagundamcorporation.

Executive Engineer
MB Grid Division,
Peddapalli.

Superintending Engineer,
RWS&S Circle, Karimnagar.

"Counter Signed"

Chief Engineer- III
TDWSP, Hyderabad

SPECIFICATION REPORT ACCOMPANYING THE DETAILED PROJECT REPORT FOR THE WORK PROVIDING WATER SUPPLY TO THE RAMAGUNDAM FERTILIZERS & CHEMICALS LIMITED (RFCL), RAMAGUNDAM FROM YELLAMPALLI RESERVOIR AT RAMAGUNDAM, PEDDAPALLI DISTRICT.

Estimate cost: ₹.85.00 crores

Sanction particulars:

The work has been administratively sanctioned for Rs.85.00 Crore vide GORT no: 595, Dt.15-09-2017 of Panchayat Raj and rural development (RWS.IV) Department.

Scope of work:

The Government has instructed to provide raw water supply to RFCL. 0.55 TMC of water has been allocated from the Yellampally Project to the RFCL. The project is 30.00 kilometers away from the factory. The RFCL officials have requested to give water to the existing Storage tank in RFCL. The RFCL is located near Ramagundam corporation and is a major industrial unit for producing fertilizers based on natural gas. The old project is being upgraded to suit the new requirements. The Industry requires large volume of water both for industrial and domestic purpose for the employees. The industry will give employment to large no of people for local and technical people all around the state.

Water source of the Project:

The source of the project is Yellampalli reservoir on Godavari river in Ramagundam mandal. It is an irrigation reservoir. The total capacity of the Yellampalli project is 20.18 TMC. The dead storage capacity of the project is 0.69 TMC. The TDWSP, HMWSSB and NTPC Ramagundam utilize the project water. The requirement of this project is 0.55 TMC from the source.

The other technical details which are proposed are as follows:

1.	Full reservoir level	:	148.000	m
2.	Dead storage level	:	138.300	m
3.	Present water drawal level	:	132.855	m
4.	Dead storage capacity	:	0.69	TMC
5.	Full capacity	:	20.18	TMC

Plan of the Project:

The water is planned to be collected from the foreshore of the Yellampalli reservoir by constructing a pump house near reservoir and erection of suitable pumps. The water will be pumped to sump at RFCL plant located near Ramagundam corporation.

The following items are provided in the estimate in order to supply 0.55 TMC of raw water per annum to RFCL, Ramagundam.

1. Construction of 750 mm dia DI K9 pipeline for a length of 30 km from Yellampalli reservoir to the RFCL, Ramagundam.

2. Submersible pump sets of 650 HP - 2nos (with 2 working + 1 standby)and a Panel room of size 9.00 x 6.00m for installation of electrical console will be constructed near Yellampalli reservoir.

3. Transformer yard and Power supply at Source point.

4. LS Provision for the Forest permissions

5. LS provisions GST and taxes and duties

6. LS for Unforeseen items

The estimate is prepared with 2017-18 SSR estimate is worked out to Rs 85 crores with all the provisions as above and submitted for technical sanction.

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TDWSP Sub-Division Peddapalli

Dy.Executive Engineer
TDWSP Sub-Division Peddapalli

Executive Engineer
TDWSP Division Peddapalli

Superintending Engineer
TDWSP Circle karimnagar

NAME OF THE WORK: PROVIDING WATER SUPPLY TO THE RAMAGUNDAM FERTILIZES AND CHEMICALS LIMITED (RFCL), RAMAGUNDAM FROM YELLAMPALLI RESERVOIR AT RAMAGUNDAM, PEDDAPALLI DISTRICT.

Rs in Crores. 85.00

Sno	Description	Qty	Units	Rate	Amount
1	Laying of 750 mm dia DI pipe line from Yellampally reservoir to FCI Inlet	1	No	68,00,00,000 / 670,919,633	68,00,00,000 / 670,919,633
2	Pannel room at Yellampally resrvoir for pump sets	1	no	20,00,000 / 1,400,000	20,00,000 / 1,400,000
3	Supply & Delivery of the pump sets	1	No	29,000,000	29,000,000
4	Cost towards power connection charges including transformer yard etc			1,92,00,000 / LS - 35000000	35,000,000
	Sub Total				736,319,633
5	LS for forest area permissions				1,00,00,000
	2 Hectares			LS -	6,000,000
6	Add for GST			3,18,40,000	73,631,963
7	Provision for Labour cess @1%				7,365,196
8	Provision for QC @0.5%			34,10,000	3,681,598
9	Provision towards corpus fund for NAC @ 0.1%			6,82,000	736,320
10	Add for price variations and other un fore seen items	LS		1,56,18,000 / 1,78,68,000	22,267,290
					850,000,000
	In Rs Crores.				85.00

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Administrative Sanction : The work "Providing water Supply to the Ramagundam Fertilizers and chemicals Limited (RFCL) is administratively sanctioned vide GO.RT.No. 595 of PR & RD (RWS-IV) Dept. Dt: 15.09.2017 for Rs. 85.00 Cr (Rupees Eighty Five Crores only)

Technical Sanction : is hereby accorded for Rs 85.00 Cr (Rupees Eighty Five Crores only) vide TS. No. 1/2018-19 Dt:

JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA

The RFCL Ramagundam revival project is to produce 1.27million Metric tonne Per annum of Neem Coated Urea.Enhancing domestic urea production by establishing urea capacity of atleast 1.15 million MT at each unit of FCIL.

Enablingthe Fertilizer Corporation of India Ltd (FCI) to settle all its existing dues and make its Net Worth positive.As per directive of GoI, the closed Fertilizer Complexes needs to be revived in Order to meet the domestic requirement of Urea Fertilizer to achieve food Security.

For revival of Fertilizer Corporation of India limited 0.55 Tmc of water is required per annum. Irrigation department has allotted to draw the 0.55 Tmc of water from Yellampalli. From Yellampalli reservoir Pumping main is to be laid to Providing water supply to the Ramagundam Fertilizers and Chemicals Limited., Ramagundam.

The proposed "**Laying of Pipe Lines for Providing Water Supply to the Ramagundam Fertilizers and Chemicals Limited,Ramagundam from Yellampali project in Peddapalli District**"have no other alternative routes to supply water to RFCL as per the Hydraulic Designs and Topography of the Area.

The proposed locations are very much essential and there is no other alternative alignment. As the proposed alignment is along the existing roads and Irrigation Canals, the disturbance to the surrounding Flora and Fauna will be minimum.

Cost of the Project: Administratively sanctioned for Rs: 85.00 Crores

Executive Engineer
MB Grid Division,
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Chief Engineer-III
TDWSP, Hyderabad