

GOVERNMENT OF ANDHRA PRADESH  
ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (Section-II) DEPARTMENT

Letter No.EFS01-12021/109/Section-II/2018

Dated: 10-01-2019.

From  
The Principal Secretary to Government,  
EFS&T Department,  
A.P. Secretariat, Velagapudi,  
Amaravati-522503.

To  
The Additional Principal Chief Conservator of Forests (Central)  
Government of India,  
Ministry of Environment, Forests & Climate Change.  
Regional Office, 1<sup>st</sup> and 2<sup>nd</sup> Floors,  
Handloom Export promotion Council Building  
34, Cathedral Garden Road,  
Nungambakkam, Chennai - 600034 (w.e)

Sir,

Sub: Diversion of 101.24 Ha. of forest land is located in Compt.No.571, 572, 573, 575 of Ganganapalli RF of Kadapa Division for excavation of GNSS Phase-II Main Canal from KM 87.40 to KM 94.80 under Package No.02/06 in favour of Executive Engineer, GNSS Division No.7, Pulivendula, Y.S.R. District - Proposal U/s 2 of Forest (Conservation) Act, 1980- Additional information furnished - Reg.

Ref: 1.From PCCF (HoFF), A.P., Lr. No.EFS02-15021/3/2018/FCA SEC/PCCF/FCA-1, dt.12-9-2018.  
2. State Govt.Lr.No.EFS01-12021/109/Section-II/2018, dated.26-9-2018.  
3.From GoI, MoEF& CC, Lr No.4-APA080/2018-CHN/1868, dt.30-11-2018.  
4.From PCCF (HoFF), AP, Lr.Rc.No.EFS02-15021/3//FCA SEC/PCCF/FCA-1, dt:24-12-2018.

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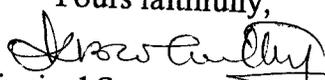
I invite your attention to the reference 2<sup>nd</sup> cited, in which the State Government have forwarded a proposal to Government of India, Ministry of Environment, Forests & Climate Change for according necessary approval under Section 2 Forest (Conservation) Act, 1980, for diversion of 101.24 Ha. of forest land is located in Compt.No.571, 572, 573, 575 of Ganganapalli RF of Kadapa Division for excavation of GNSS Phase-II Main Canal from KM 87.40 to KM 94.80 under Package No.02/06 in favour of Executive Engineer, GNSS Division No.7, Pulivendula, Y.S.R. District.

2. The Government of India, Ministry of Environment, Forests & Climate Change, Chennai in the reference 3<sup>rd</sup> cited have requested the State Government to furnish certain information for further processing of the proposal.

3. The Principal Chief Conservator of Forests (Head of Forest Force), Andhra Pradesh, in the reference 4th cited (copy enclosed) has submitted the additional information furnished by the Executive Engineer, GNSS Sub-Division No.7, Pulivendula, as desired by the Government of India.

4. I request to consider the additional information and obtain and communicate the approval of Government of India, Ministry of Environment, Forests & Climate Change, under Section 2 of Forest (Conservation) Act, 1980, in the matter at an early date.

Yours faithfully,

  
Principal Secretary to Government

**Copy to:**

The Principal Chief Conservator of Forests (Head of Forest Force),  
Andhra Pradesh, Guntur (w.e)  
The Executive Engineer, SKD GNSS Division No.7, Pulivendula,  
YSR Kadapa District.



**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

From: Dr. Mohd. Ilyas Rizvi, IFS.,  
Prl. Chief Conservator of Forests  
(Head of Forest Force)  
Andhra Pradesh,  
"AranyaBhavan", K.M. Munshi  
Road, Guntur - 522 004.

To,  
The Prl. Secretary to  
Government,  
Environment, Forests,  
Science & Technology  
Department,  
Andhra Pradesh Secretariat,  
Velagapudi, Amaravathi.

Sir,

**Rc.No.EFS02-15021/3/2018//FCA SEC/PCCF/FCA-1,**  
**Dt:24/12/2018**

- Sub:FD - Forest (C) Act, 1980 - SKD GNSS (Sri Krishna Deveraya  
- Galeru Nagari Sujala Sravanthi) Division No.7, Pulivendula -  
Phase-II - Package No.02/06 - Diversion of 101.24 Ha. of  
Forest Land in Ganganapalli RF of Kadapa Division for  
excavation of GNSS main canal from KM 87.40 to KM 94.80  
- Additional Information - Submission off - Reg.
- Ref: 1. Gol, Regional Office, Chennai F.No.4-APA080/2018-  
CHN/1868, Dt:30.11.2018.  
- 2. PCCF's Rc.No.EFS02-15021/3/2018//FCA SEC/PCCF/  
FCA-1, Dt: 05.12.2018.  
3. DFO, Kadapa Rc.No.1851/2009/A8, Dt:15.12.2018.

••<30>••

It is submitted that, vide reference 1<sup>st</sup> cited, the Gol, RO  
Chennai has sought for additional information regarding  
diversion of 101.24 Ha. of Forest Land in Ganganapalli RF of  
Kadapa Division for excavation of GNSS main canal from KM  
87.40 to KM 94.80 under GNSS Package-02 for further  
processing of the proposal.

Accordingly, vide reference 3<sup>rd</sup> cited, the Divisional Forest  
Officer, Kadapa has forwarded the additional information  
furnished by the Executive Engineer, GNSS Sub-Division No.7,

Pulivendula.

A copy of the same along with its enclosures is herewith submitted for onward submission to the Government of India, Regional Office, Chennai for further consideration of the proposal.

Early action is solicited.

Yours faithfully,  
**MOHD**

Encl:- As above.  
**ILIYAS RIZVI**

Prl. Chief Conservator of Forests  
(Head of Forest Force)

Copy to the Divisional Forest Officer, Kadapa Division, Kadapa.

Copy to the Chief Conservator of Forests, Kurnool Circe,  
Kurnool for information.

Copy to the Executive Engineer, SKD GNSS Division No.7,  
Pulivendula for information.

**Signature valid**

Digitally signed by Mohd ILyas  
Rizvi  
Date: 2018.12.20 16:46:46 IST  
Reason: I am the author of this document.

**Government of Andhra Pradesh  
Forest Department**

**From**  
Sri M. Siva Prasad, IFS  
Divisional Forest Officer,  
**KADAPA.**

**To**  
The Conservator of Forests (Central),  
Ministry of Environment Forests &  
Climate Change,  
Regional Office (SEZ),  
**Chennai.**

Sir,

**Rc.No.1851/2009/A8, Dated: 5.12.2018.**

- Sub :** APFD – F(C) Act, 1980 – SKD GNSS (Sri Krishnadevaraya Gaaleru, Nagari Sujala Sravanthi) Divisional No.7, Pulivendula – Phase-II - Package No.02/06 - Diversion of 101.24 Ha. of Forest land in Ganganapalli RF of Vempalli Range of Kadapa Forest Division for excavation GNSS main canal from Km.87.400 to Km.92.250 and from Km.93.450 to Km.94.800 in favour of Executive Engineer, SKD GNSS (Sri Krishnadevaraya Gaaleru, Nagari Sujala Sravanthi) Division No.7, Pulivendula – submission of replies to the points a to h – Reg.
- Ref :**
1. Prl. CCF (HoFF), A.P., Guntur Rc.No.5163/2016/FCA-1, Dt:22.11.2018.
  2. This office Rc.No.1851/2009/A8, Dt.29.11.2018
  3. Executive Engineer, GNSS (Sri Krishnadevaraya Gaaleru, Nagari Sujala Sravanthi) Division No.7, Pulivendula Lr.No.EE/GNSS Div.7/PLVD/DB/AEE411M, Dt.10.12.2018.

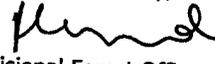
\* \* \*

It is submitted that, the Prl. Chief Conservator of Forests, Andhra Pradesh, Guntur has issued instructions to submit the additional information on six (6) points i.e., a to f as called for excavation GNSS main canal (Package-02/06) from Km.87.400 to Km.92.250 and from Km.93.450 to Km.94.800 vide reference 1<sup>st</sup> cited.

In this connection it is submitted that, the Executive Engineer, GNSS (Sri Krishnadevaraya Gaaleru, Nagari Sujala Sravanthi) Division No.7, Pulivendula was prepared and submitted the information on six (6) i.e., a to f points as sought by the Chief Conservator of Forests (Central), Regional Office (SEZ), Chennai as per the site inspection Dt:13.11.2018 to 16.11.2018 communicated in the reference 1<sup>st</sup> cited pertaining to Package No.02/06 - Diversion of 101.24 Ha. of Forest land in Ganganapalli RF of Vempalli Range of Kadapa Forest Division for excavation GNSS main canal from Km.87.400 to Km.92.250 and from Km.93.450 to Km.94.800. A copy of the same is herewith enclosed for favour of perusal.

**Encl: As above**

Yours faithfully,

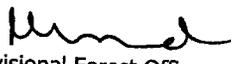
  
Divisional Forest Officer,  
Kadapa.

Copy submitted to the Prl. Chief Conservator of Forests, Andhra Pradesh, Guntur for favour of information

Copy submitted to the Chief Conservator of Forests, Kurnool Circle, Kurnool for favour of information

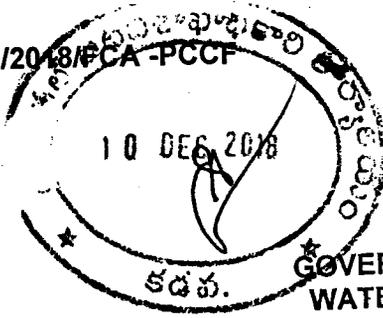
Copy to the Executive Engineer, GNSS (Sri Krishnadevaraya Gaaleru, Nagari Sujala Sravanthi) Division No.7, Pulivendula for information.

Copy to the Forest Range Officer, Vempalli for information.

  
Divisional Forest Officer,  
Kadapa.

BC  
15/12/18

2070297/2018/FCA-PCCF

3224  
11-12-18

GOVERNMENT OF ANDHRA PRADESH  
WATER RESOURCES DEPARTMENT

From  
Sri N. Ravikiran,  
Executive Engineer,  
GNSS Sub Division no. 7,  
Pulivendula

To  
The Divisional Forest Officer,  
Kadapa,  
YSR Kadapa District

Letter No. EE/GNSS Div. 7/PLVD/DB/AEE <sup>M</sup> 411 Dated: 10-12-2018

Sub: - APFD - F (C) Act, 1980 - SKD GNSS Division No. 7, Pulivendula -  
Phase II - Package No. 02/06 - Diversion of 101.24 Ha. Of Forest land in  
Ganaganapalli RF of Vempalli Range of Kadapa Forest Division for  
excavation of GNSS main canal from Km 87.400 to KM 92.250 and from  
KM 93.450 to Km 94.800 - Additional information - Submission - Reg

Ref: - 1. Prl. CCF (HoFF), A.P., Guntur Rc. No. 5163/2016/FCA-1, Dt:22-11-  
2018  
2. DFO, Kadpa Rc. No. 1851/2009/A8, Dt. 29.11.18

Adverting to the reference cited, I herewith submit the point wise  
information as follows:

1. In the KML file, it is uploaded in single file clearly mentioned as Bit-1 and Bit-2 for 2 patches because separately files not accepted/supported by the software
2. As per Approved Hydraulic particulars by the Chief Engineer, Central Designs organization, Hyderabad, typical cross sections approved and soil classification the widths are arrived and proposed at individual cross sections. Only at particular stretch where the depth of cut is maximum the width will be larger. The proposed widths are bare minimum and required.
3. Only single road i.e., C.K Dinne to Polathala is crossing at end point in package  
2. As this road belongs Panchayat Raj Department necessary "No objection certificate" from the Panchayat raj department is obtained and herewith submitted. It is also certified that the existing B.T road will be regarded or re-laid by the Water resources department.
4. The Chief Engineer (Projects), Kadapa requested the Government of India for extension of Environmental clearance upto 30.6.2004 vide letter no. CE (P) & DWRO/WRD/KDP/TS-3/GNSS. ENV/95 Dt: 01-12-2018 ( Copy enclosed ). After receipt of the same it will be communicated.

have Nil  
A

A 8

5. Provision for canal bank plantation is made in the estimate and will be taken up while executing works. There are no reservoirs in package 2 and it is only linear canal. Hence CAT plan does not arise. All along the canal catch drains are provided at both sides to collect rain water and proper disposal .

It is requested to obtain and communicate Stage 1 clearance for this proposal at early date. It is submitted that this package is under prioritized list of the projects in Andhra Pradesh and being reviewed by the Honorable Chief Minister of A.P on every Monday. Tenders are to be called for shortly. Hence urgent action is solicited.

This is submitted for favor of information and necessary further action

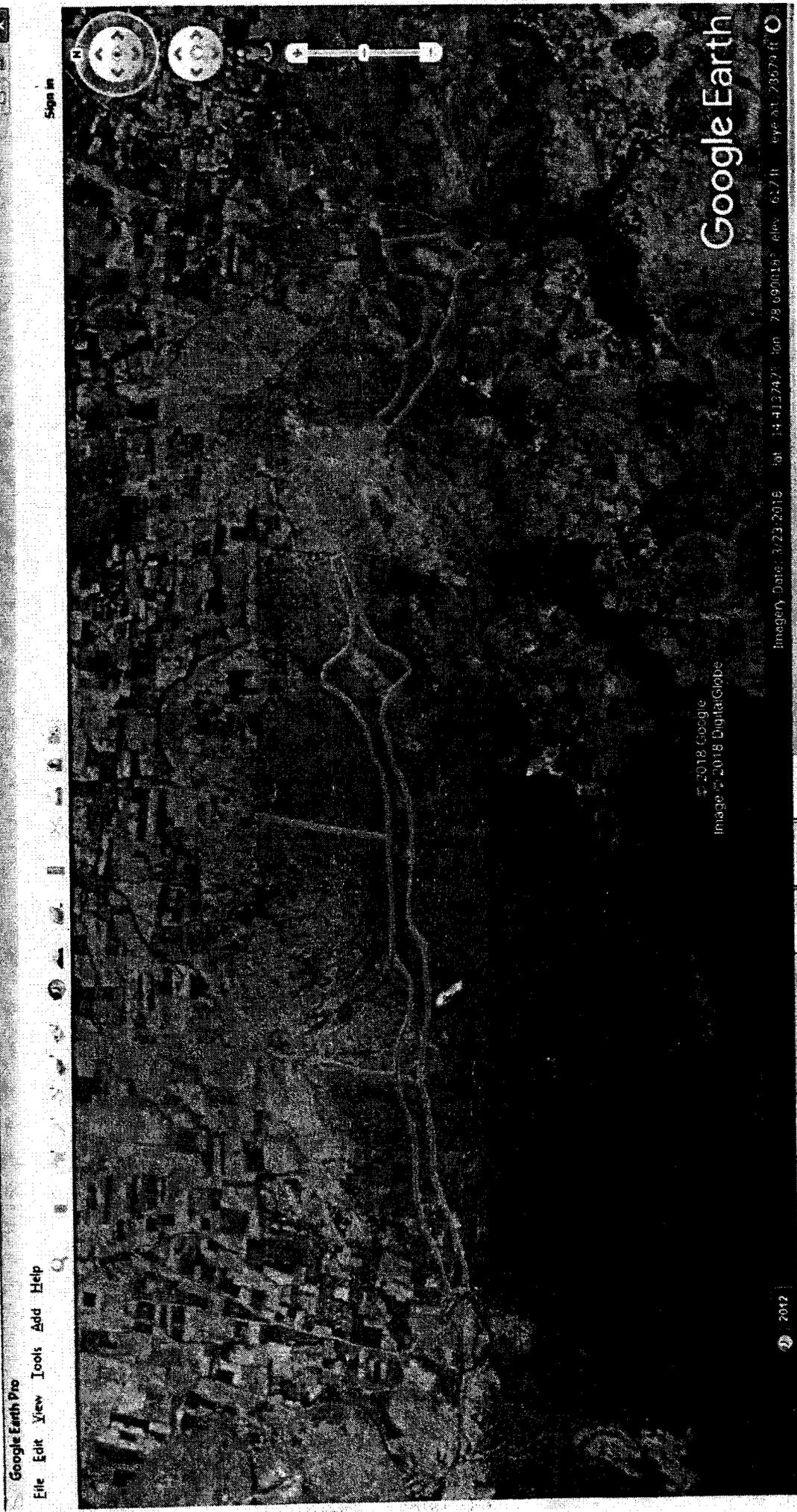
Encls:-

1. KML file alignment
  2. LA width calculation sheet
  3. NOC from Panchayat Raj
  4. Lr from CE/KDP to Secretary to Government  
Water resources department on Extension of Environmental  
Clearance.
  5. Estimate showing the provision on plantation.
- Each in 5 sets

Yours faithfully,

N. Dainuor 10/12/18  
EXECUTIVE ENGINEER  
GNSS DIVISION NO. 7,  
HOBULIVENDULA  
10/12

2070297/2018/FCA -PCCF







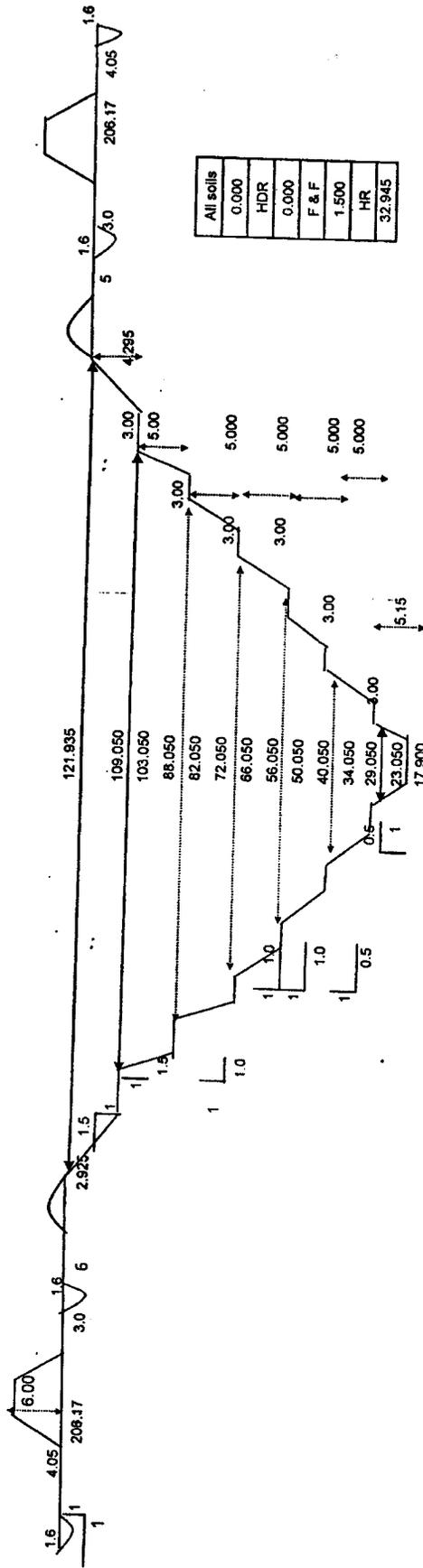
-253-

Cross section @ K.M. 91.450 of G.N.S.S.Main Canal  
Cutting (6 Berms)

Left side Bank :  
T.B.L: 197.860  
A.G.L: 227.155  
Ht.of bank : 0.000

Canal Cutting:  
A.G.L: 227.155  
Bed level: 192.710  
Depth of Cut: 34.445

Left side Bank :  
T.B.L: 197.860  
A.G.L: 227.155  
Ht.of bank : 0.000



Area of Cutting :

In HDR :	(	$\frac{121.935 + 121.935}{2.000}$	) x	0.000	=	0.000 Sq.m
In F&F :	(	$\frac{121.935 + 117.435}{2.000}$	) x	1.500	=	0.000 Sq.m 179.528 Sq.m
In HR :	(	$\frac{117.435 + 109.050}{2.000}$	) x	2.795	=	179.528 Sq.m 316.513 Sq.m
In HR :	(	$\frac{103.050 + 88.050}{2.000}$	) x	5.000	=	477.750 Sq.m
In HR :	(	$\frac{82.050 + 72.050}{2.000}$	) x	5.000	=	385.250 Sq.m

2070297/2018/FCA -PCCF

In HR :	(	66.050 +	56.050 ) x	=	5.000	305.250 Sq.m
		2.000				
In HR :	(	50.050 +	40.050 ) x	=	5.000	225.250 Sq.m
		2.000				
In HR :	(	34.050 +	29.050 ) x	=	5.000	157.750 Sq.m
		2.000				
In HR :	(	23.050 +	17.900 ) x	=	5.150	105.446 Sq.m
		2.000				
						<b>1484.76 Sq.m</b>

Spoil bank :

All Soils :	0.000 x	1.250 =	0.000 Sq.m
HDR :	0.000 x	1.400 =	0.000 Sq.m
F & F :	179.528 x	1.400 =	251.339 Sq.m
H.R :	1484.763 x	1.400 =	2078.668 Sq.m
	<b>Total</b>		<b>2330.006 Sq.m</b>

Area of each Spoil bank	=	2330.006 / 2 :	1165.003 Sq.m	
Hight of bank	=		6.000 mts	
Top width	(	1165.003 -	12.000 ) =	182.167 mts
		6.000		
Bottom of spoil bank:	=		206.167 mts	

LA/LS	286.31 mts	LA R/S	282.38 mts
TOTAL LA Width			568.69 mts

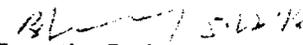
~~19/1/2018~~  
10/12/18

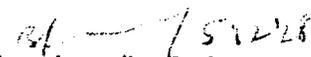
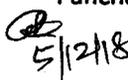
N. Ravindra  
Executive Engineer  
G.N.S.S. Division No. 7  
PULIVENDULA-516 390.

**NO OBJECTION CERTIFICATE**

This is to certify that there is **No Objection** from the P.R. Engineering Department for construction of structures to be taken up by the GNSS Division No.7, Pulivendula crossing the road C.K.Dinne to Polathala road in the forest area cleared for the road based on the certificate that the existing B.T. roads will be regraded or relaid by the Water Resources, Department as issued by Executive Engineer, GNSS Division No.7, Pulivendula.

  
5/12/18  
Dy. Executive Engineer,  
PIU Sub-Division, Kadapa.

  
7/5/2018  
Executive Engineer,  
PIU Division, Kadapa.

  
7/5/2018  
Superintending Engineer,  
Panchayat Raj: Kadapa.  
 5/12/18 

GOVERNMENT OF ANDHRA PRADESH  
WATER RESOURCES DEPARTMENT

From  
Sri S.Magbul Ahmed, B.Tech.,  
Chief Engineer(Projects) &  
District Water Resources Officer,  
Water Resources Department,  
KADAPA.

To  
The Secretary to Government,  
Water Resources Department,  
4<sup>th</sup> Block, 1<sup>st</sup> Floor,  
A.P. Secretariat,  
Velagapudi, Amaravathi  
GUNTUR DISTRICT.

Letter No. CE (P) & DWRO/WRD/KDP/TS3/GNSS.ENV/95      Date: 01-12-2018.

Sir,

Sub:- Galeru Nagari Sujala Sravanthi (GNSS) Project - Andhra Pradesh -  
Extension of Environmental clearance up to 30-6-2024 - Requested -  
Regarding.

Ret:- Govt. of India Ministry of Environmental & Forests, New Delhi  
No.J-12011/18/2006-1/1A-1.

\* \* \*

I submit that the Stage-I Forest clearance for Package No.2 and Package No.3 of GNSS Phase-II were discussed in the 32<sup>nd</sup> meeting of Regional Empowerment Committee, Chennai on 27-11-2018. The inspection report was placed before the Regional Empowerment Committee and the Committee has decided to recommend the proposals i.e., Forest clearance stage-I. The Committee has pointed out that the Environment clearance for the Project has been expired.

In this connection it is to submit that the GNSS works are not completed due to land acquisition problem, non receipt of Forest clearance of GNSS Phase-II works and other administrative reasons etc.,

The Government of India, Ministry of Environment and Forest Department has accorded Environmental clearances in the reference 1<sup>st</sup> cited. As per the above approval the validity period of the clearance is 5 years from the date of issue of the letter for commencement of work, i.e., 21-06-2006. A copy of the same is here with enclosed.

In view of the reasons explained above the extension of Environmental clearance up to 30-06-2024 may please be obtained and communicated early to complete the GNSS Project works.

Encl:- Clarification made by the Committee  
and questionnaires of MOEF  
2 Booklets each 1 No.

Yours faithfully,  
Sd/-S.Magbul Ahmed, 1/12,  
Chief Engineer(Projects) &  
District Water Resources Officer,  
Water Resources Department,  
Kadapa.

(p.t.o.)

Copy communicated to the Superintending Engineer, SKD GNSS Circle, Kadapa for information and requested to submit the proposals of laps of clearances obtained from the various Department etc., in advance in future.

Copy to Executive Engineer, GNSS Division No.7 Pulivendula for information and requested to depute the concerned responsible Officer to A.P. Secretariat and see that the proposals from the A.P. Government to Government of India immediately are submitted and obtain the extension at an early date.

Copy to Executive Engineer GNSS Division, Proddatur for information and extend necessary support to the GNSS Division No.7, Pulivendula.

Sd/-S.Magbul Ahmed,1/12,  
Chief Engineer(Projects) &  
District Water Resources Officer,  
Water Resources Department,  
Kadapa.

//-t-c-f-//

DEPUTY EXECUTIVE ENGINEER

2070297/2018/FCA-PCCF

INDIAN E-IN-CHIEF (HYDROLOGY)

No. J-12011/18/2006-IA.1  
Government of India  
Ministry of Environment & Forest

64595  
2-1-17-06

Office of the Chief Executive Officer  
No. 2535  
Date: 21.07.06

Office of the Chief Executive Officer  
G.O. Complex  
Connaught Road  
New Delhi-110003

Dated 21<sup>st</sup> June, 2006.

Secretary (Irrigation)  
RD Department  
Secretariat  
Mumbai-500022

Subject: Galeru Niyati Sujata Shrivanti (GNSS) Project in District Khammam  
Andhra Pradesh - Environmental Clearance req.

This file reference to your letter No. SE/GNSS Circle/KADAPA/VC/imp  
Mediabud, dated 12.04.2006 on the subject.

The above referred proposal was considered by the Expert Committee for River  
Irrigation & Hydroelectric projects at its meeting held on 18.04.2006 & reconsidered on  
05.05.2006.

It has been noted that the proposed project contemplates drawl of 38.00 TMC of  
plus flood water from Krishna river to provide irrigation to 1.052 lakh ha. (2.60 lakh  
res) in two districts of Kadapa and Chittoor, drinking water to about 10 lakh people by  
ing about 3.00 TMC of water and stabilisation of existing command of Pulvandula  
inch canal to an extent of 24282 ha. The scheme consists of 11 (eleven)  
large storage reservoir with 14 to 29 m high of dams. Total land requirement for the  
10342.75 ha, of which 1104.45 ha is forest land. Forest clearance is yet to be  
ained. Total 8870 families from 42 villages are likely to be affected due to this project.  
Public Hearing was conducted in two districts of Chittoor & Kadapa on 14.03.2006. The  
total cost of the project is 4562.33 crores.

The Ministry of Environment and Forests hereby accords environmental  
clearance as per the provision of Environmental Impact Assessment Notification-1984  
subject to the strict compliance of the terms and conditions mentioned below -

( P-70 )

Total 6040 Families from 42 Villages are likely to be affected by this project. The affected families shall be rehabilitated as per Andhra Pradesh Government's R/R 2005 & its amendment G.O.M.S. No. 78, dated 13<sup>th</sup> April, 2008.

Eleven balancing reservoir are proposed with different heights. Seismic design norms for the dams need to be approved by National Commission on Geologic Parameters (NCSDP), Central Water Commission, New Delhi.

A monitoring committee should be constituted which must include members of project affected persons from SC/ST category and a women member. The committee should also attend the Grievance Redressal of the affected persons.

Commitment made during Public hearing by the project authority for different items should be fulfilled.

Forest Clearance should be obtained for acquiring 1104.45 hectare forest land & permitted.

Water user association / co-operative and involvement of the whole community for disciplined use of available water should be provided.

Command Area Development, as proposed in the EIA / EMP should be implemented. Water logging should be treated through suitable drainage measures and conjunctive use of ground water and surface water, reclamation of saline lands and measures to improve the soil fertility should be ensured.

Occurrence of stagnant pools/slow moving water channels during construction and operation of the project provide breeding source for vector mosquitoes and other parasites. The canal should be properly channelised so that no small pools and puddles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases may increase. If such a situation arises, it will be the responsibility of project authorities to take all corrective steps i.e. residual insecticidal spray in all the project affected areas and surrounding 3 Km. area, keeping the flight range of mosquitoes in consideration.

Any other assistance from any other organization if required should be obtained.

Part -B. General Conditions

i) Provision of supplying kerosene or cooking gas / Pressure Cooker to the labourers should be made instead of supplying fuel wood.

3

Fuel depot may be opened at the site to provide the fuel (kerosene/diesel) facilities as well as recreational facilities should also be provided to the labourers.

All the labourers to be engaged for construction works should be thoroughly checked by health personnel and adequately treated before issuing work permits.

Restoration of construction area, including dumping site of excavated materials at the site & power house site, should be ensured by levelling, filling up of borrow pits, etc. The area should be properly afforested with suitable plantation.

A multidisciplinary environmental monitoring cell inclusive of the experts from Water Management, Pollution Control, Agriculture, Socio-economist etc should be set up immediately before the start of the project and to be continued.

Financial provision should be made in the budget of the project for implementation of the above suggested safeguard measures.

Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Bangalore for review.

Officials from Regional Office MOEF, Bangalore would be monitoring the implementation of environmental safeguards and they should be given full cooperation and documents / data by the project proponents during their inspections.

The responsibility of implementation of environmental safeguards rests fully with Irrigation Department and Government of Andhra Pradesh.

In case of change in the scope of the project, project would require a fresh clearance.

The Ministry reserves the right to add additional safeguard measures frequently, if found necessary, and to take action including revoking the clearance, under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

This clearance letter is valid for a period of five years from the date of issue of the letter for commencement of construction work.

A copy of the clearance letter will be marked to concerned Panchayat, if any, to whom any suggestion/representation has been received while processing the proposal.

10. State Pollution Control Board / Commission should display a copy of this clearance letter at the regional office, district industries centre and collector's office / tahsildar's office for 30 days.

11. The project proponent should advertise within seven days at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locally concerned informing that the project has been recorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and also at Website of the Ministry of Environment and Forests at [http:// www.envfor.nic.in](http://www.envfor.nic.in).

*R. Chandramohan*  
R. Chandramohan)  
Joint Secretary to the Govt of India

Copy to

1. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110001.
2. Dr. Ravi Mallu, Special representative of Govt. of Andhra Pradesh, 1-Anshoka Road, Andhra Bhawan, New Delhi - 110001.
3. Secretary, Department of Environment, Government of Andhra Pradesh, Hyderabad.
4. Secretary, Department of Irrigation, Government of Andhra Pradesh, Hyderabad
5. The Advisor (I & CAD) Planning Commission, Yojana Bhawan, New Delhi - 110001.
6. The Chief Engineer (PAD), Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi - 110062.
7. Member Secretary, Andhra Pradesh Pollution Control Board, Hyderabad
8. CCF, Regional Office, Ministry of Environment & Forests, Bangalore.
9. EI - Division, MOEF, New Delhi - 110001.
10. Guard file.

*R. Chandramohan*  
R. Chandramohan)  
Joint Secretary to the Govt. of India



**ABSTRACT**

Name of Work: Investigation, Design and earth work excavation of GNSS main canal from Km. 66.150 to Km. 96.500 for balance works including construction of CM & CD Works, and distributory system including field channels to feed an ayscut of 12,000 acres under package - 02/06 of GNSS Phase - II in Kadapa District.

**I - Investigation, Design and estimation of GNSS main canal and distributory system**

PART-A :- Working Items (ECV Items)					
Sl.No.	Quantity	Description of Item	Rate	Per	Amount
1	28.411 KM	Conducting detailed survey of G.N.S.S. Main canal from K.M. 66.150 to K.M. 96.500 including chaining, compass Survey and taking LS & C.S. at 25 M intervals and fixing of P.B.Ms. Conducting site surveys for C.M. and C.D works, preparation of designs, H.P. and estimates etc., complete.	As per sheet enclosed	/KM	9345159
2	RM	Provision towards subsurface exploration and GSI charges & testing charges at structures locations	As per sheet enclosed	/RM	1392240
3	12000 AC	Detailed investigation of distributory system from K.M. 66.150 to K.M. 96.500 of GNSS Canal including designs, drawings, preparation of plans and estimates etc., complete.	As per sheet enclosed	/Ac	17313424
4	Ha	Preparation of L.P. schedules and get the approval from the competent authority for land acquisition width required for Distributory canal.	As per sheet enclosed	/Ha	321549

Sub Total - I: 20372372 27558924

**II - Excavation of GNSS main canal from Km.66.150 to Km. 96.500.**

Sl.No.	Quantity	Description of Item	Rate	Per	Amount
1	327954 Cum	Excavation in all kinds of soil including boulders upto 0.3 m diameter for canal, sealing of embankment, filter drains / catch water drains etc., including dressing bed and sides to required level and profile, cost of all materials, machinery, labour, placing the excavated soil neatly in dump area or for the formation of service road / embankment as complete with initial lead upto 1 km and all lifts directed etc..	98.80	/Cum	52161855
2	546803 Cum	Earth work excavation in Hard disintegrated Rock in canal excavation and depositing the same on spoil banks or as directed by the Department with all leads and lifts including shoring, strutting, dewatering if necessary by machine including conveyance of spoil with a lead of 500 mts.	134.30	/Cum	73408783
3	740520 Cum	Earth work excavation in F&F in canal excavation and depositing the same on spoil banks or as directed by the Department with all leads and lifts including shoring, strutting, dewatering if necessary by machine including conveyance of spoil with a lead of 500 mts.	204.10	/Cum	151140132
4	1286752 Cum	Earth work excavation in Hard Rock in canal excavation and depositing the same on spoil banks or as directed by the Department with all leads and lifts including shoring, strutting, dewatering if necessary by machine including conveyance of spoil with a lead of 500 mts..	304.20	/Cum	391429958
5	585980 Cum	Excavation in hard rock of all toughness including boulders above 1.2 m dia. by approved controlled blasting methods for canal, cut-off trench of embankment etc., including controlling fly-rock by muffling arrangements such as placing 50 x 50 mm opening chain link mesh or waste tyres and sand bags, monitoring ground vibrations at specified locations, cost of all materials, machinery, labour, placing excavated rock neatly in approved dump area or other place as directed etc., complete with lead upto 1 km and all lifts. I) The rate under this item shall be adopted for canals designed for carrying capacity of more than 15 cumecs or where the average depth of excavation in hard rock is more than 3 m. II) The rate under this item shall be adopted where the control of fly-rock and ground vibrations is required.	442.40	/Cum	259237552

6/cf	128336 Cum	Providing soil-bankless / perious casing /hearing embankment using soil collected in heaps in embankment area as part of disposal of excavated soil from canal including cost of all materials, machinery, labour, all operations such as sorting-out, spreading in layers of 25 cm before compaction, breaking clods, sectioning, watering, and compacting each layer to density control of not less than 98 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with lead upto 1 km for water.	43.70 /Cum	10109350
b)	485611 Cum	Providing hearing / casing embankment with homogeneous soil from approved borrow areas Govt. lands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as excavation, sorting out, transporting, spreading in layer of specified thickness, breaking clods, sectioning, watering, compacting each layer to density control of not less than 98 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with 6 KM lead and all lifts.	241.00 /Cum	117032251
c)	544489 Cum	Providing hearing / casing embankment with homogeneous soil from approved borrow areas Govt. lands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as excavation, sorting out, transporting, spreading in layer of specified thickness, breaking clods, sectioning, watering, compacting each layer to density control of not less than 98 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with 6 KM leads and lifts.	423.50 369.20 /Cum	230591092 201025339
d)	34846 Cum	Providing hearing / casing embankment with homogeneous soil from approved borrow areas Govt. lands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as excavation, sorting out, transporting, spreading in layer of specified thickness, breaking clods, sectioning, watering, compacting each layer to density control of not less than 98 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with 8 KM lead and all lifts.	267.00 /Cum	9837882
e)	331611 Cum	Providing hearing / casing embankment with homogeneous soil from approved borrow areas Govt. lands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as excavation, sorting out, transporting, spreading in layer of specified thickness, breaking clods, sectioning, watering, compacting each layer to density control of not less than 98 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with 8 KM leads and lifts.	449.50 432.30 /Cum	149059145 143355435
7	61332 Cum	Providing Dowel banks using soil collected in heaps in embankment area as part of disposal of excavated soil from canal including cost of all materials, machinery, labour, all operations such as sorting-out, spreading in layers of 25 cm before compaction, breaking clods, sectioning, watering and compacting each layer to density control of not less than 95 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with lead upto 1 km for water	43.60 /Cum	3900715

8(a)	51140	Cum	Providing inspection track using soil collected in heaps in embankment area as part of disposal of excavated soil from canal including cost of all materials, machinery, labour, all operations such as sorting-out, spreading in layers of 25 cm before compaction, breaking clods, sectioning, watering and compacting each layer to density control of not less than 95 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with lead upto 1 km for water	63.60	/Cum	3252504
8(b)	38355	Cum	Providing inspection track with gravelly soil from approved borrow areas (Govt. lands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as excavation, sorting out, transporting, spreading in layer of specified thickness, breaking clods, sectioning, watering, compacting each layer to density control of not less than 95 percent or as stipulated by Sheep foot roller / Vibratory roller/ 8 to 10 tonne power roller etc., complete with leads and lifts.	234.90	/Cum	9009590
9	22833	Cum	Dewatering for Earth work excavation in Hard Rock in canal excavation	15.20	/Cum	3470555

Sub Total - II: 1429171901 1464441364

III - Construction of CM & CD works on GNSS main canal from Km. 66.150 to Km.96.500

SL.No.	Quantity	Description of Item	Rate	Per	Amount
1		Construction of Cm & CD Works - 56 Nos. (details enclosed)			2053336788

2062801748

Sub Total - III: 2053336788 2062801748

IV - Construction of distributory system: Distributories, Minors, Sub-Minors and Field channels to feed an ayacut of 12,000 acres

SL.No.	Quantity	Description of Item	Rate	Per	Amount	
1	12000	Ac	Construction of distributory system from K.M. 66.150 to K.M. 96.500 of GNSS Canal including minors, sub minors and CM & CD works etc., complete.	10500.00	/Ac	126000000

Sub Total - IV: 126000000

ECV Value Total (I+II+III+IV): 3636881063 3680802036

PART-B ( Reimbursable LS Provisions )

SL.No.	Quantity	Description of Item	Rate	Per	Amount
1	Sheet enclosed	Seigniorage charges	3680802036		90173599
3		GST @ 12%	3636881063		436425728
2		Provision towards cess @1% on ECV value	3636881063		3636881
4		NAC @ 0.1%	3636881063		3636881
5	LS.	Provision towards Price adjustment at 5 % on working items i.e.	3636881063		181844053
6	LS.	Provision towards variation in classification of Hard Rock which fall in category of quartzite Rate 530.71/-	Separate Sheet Enclosed		82019221

90174424  
441696244  
36208020  
3680802  
184040102

Sub Total - V: 830468293 83418913

PART-C ( Department LS Provisions )

V - Miscellaneous provisions

SL.No.	Quantity	Description of Item	Rate	Per	Amount	
1) Miscellaneous works to be done outside the contract						
1	280	Acres	Provision towards land acquisition for main canal	800000	Acres	224000000
2	678	Acres	Provision towards land acquisition for distributory canal	800000	Acres	542400000
3	252	Ac	Provision towards compensatory afforestation.	900000	Acres	226800000
4	28.411	KM	Provision for H.P boards KM & HM stones at Rs. 15000/Km	15000	1 km	426165

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5	28.411 KM	Provision towards plantation	20000	1 km	568220
6	8 Nos	Provision towards shifting of H.T lines	3000000	1 No	24000000
7	500 Nos	Shifting of electrical pole and electrical lines	20000	1 No	10000000
8	LS.	Provision towards approach road considering 2 KMS length of approach road @ every 5kms length of main canal	200000	KM	2400000
Sub Total of Item 1)					1030594385
<b>2. Other Items</b>					
9	LS.	Provision for preparation of estimate booklets, Tender documents, Xerox charges, Tender advertisement charges.			2000000
10	LS.	Provision towards purchase of Scientific instruments			1000000
11	LS.	Provision towards for Photographs & Videography during the execution			556259
Sub Total of Item 2					3594766

Sub Total - VI:

Grand Total: 1034150644

556259 584766  
 3594766  
 1034150644 1034179151  
 5553371493 555,34,09,000

I. Ramesh 31/11/18  
 AEG

P. S. Srinivas 31/11/18  
 JOE

P. Gangadhare 31/11/18  
 AEE

G. M. Reddy 31/11/18  
 AEE

P. J. Reddy 31/08/18  
 AEE

N. Dailay 31/11/18  
 Executive Engineer  
 G.N.S.S. Division No. 7  
 PULIVENDULA - 516 390.  
 31/11/18

M. Reddy  
 SUPERINTENDING ENGINEER  
 S.K.D. GNSS Project Circle  
 KADAPA.

Attested  
Muddu  
 18/12/2018  
 Deputy Executive Engineer  
 G.N.S.S. Sub-Division No. 14  
 KONDAPURAM, Kadapa (Dt).

P. S. Srinivas  
 Chief Engineer (Project)  
 &  
 District Water Resource Officer  
 Water Resource Department  
 Kadapa.