# 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),

<u>Chennai.</u>

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

Sir,

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.

**C8** # 80

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,

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



3224

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 4-11

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 relaid 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.

Your YIO

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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 urjent action is solicited.

This is submitted for favor of information and necessary further action

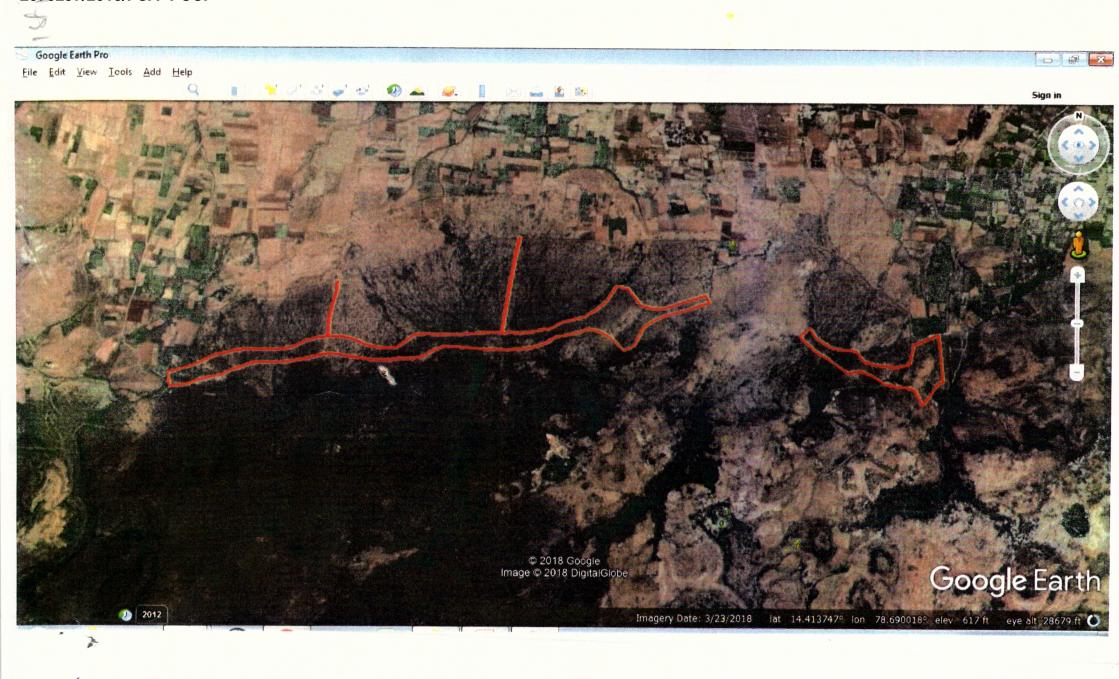
#### Encls:-

- 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 planatation. Each in 5 sets

Yours faithfully,

EXECUTIVE ENGINEER 10/12/18
GNSS DIVISION NO. 7,
DOBULIVENDULA

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### Cutting (5 Berms)

### Cross section @ K.M.

94.561 of G.N.S.S.Main Canal

Left side Bank :

197.511

A.G.L: 221.628

Left side Bank :

T.B.L:

221.628

Canal Cutting:

T.B.L: 197.511

A.G.L: Ht.of bank:

Bed level: 192.361

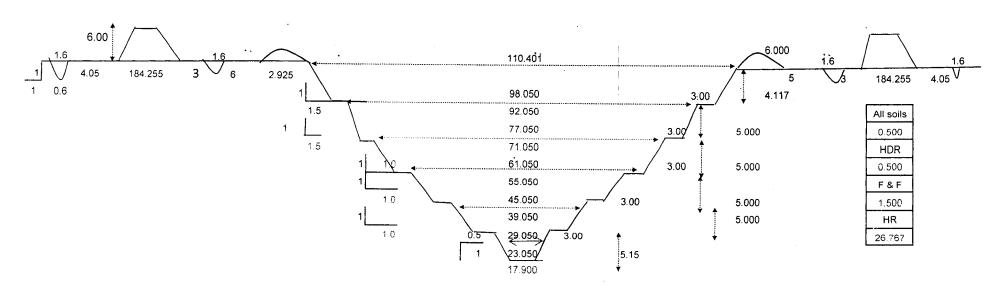
A.G.L: 221.628

0.000

Depth of Cut: 29.267

Ht.of bank :

0.000



### Area of Cutting:

=

**157.727** Sq.m 162.469 Sq.m

422.750 Sq.m

342.750 Sq.m

287.750 Sq.m

232.750 Sq.m ``

182.696 Sq.m

**1215.719** Sq.m

LA L/\$

2.000

In HR:	(	102.901	+	98.05	50)x	1.617	=
			2.000	)	_		
In HR:	(	92.050	+	77.05	50)x	5.000	: =
			2.000	)	<del></del> '		
In HR :	(	71.050	+	66.05	60)x	5.000	. =
			2.000		<del></del> '		
In HR :	. (	60.050	+	55.05	60 ) x	5.000	=
			2.000	•	<del></del> '		
In HR :	(	49.050	+	44.05	0)x	`: 5.000	=
			2.000		<u> </u>		1
In HR :	(	38.050	+	32.90	0 ) x	5.150	=
			2.000		<u></u>		
Spoil bank :							
All Soils :		54.826	x	1.25	0 =	68.532 Sq.m	
HDR:		54.076	x	1.40	0 =	75.706 Sq.m	
F&F:		157.727	х	1.40	0 =	220.817 Sq.m	
H.R:		1215.719	Х	1.40	0 =	1702.006 Sq.m	
				Total		2067.061 Sq.m	
Area of e	ach Spoi	l bank	=	2067.063	1 /2 =	1033.531 Sq.m	
Hight of b	pank		=			6.000 mts	
Top widt	h (	1033.531	_	12.000	) =	160.255 mts	
•	` -	6.000		12.000	, –	100.255 Mils	
Bottom o	of spail ha				_	104.255	!
Dottom o	n spon be	111K.			=	184.255 mts	
264.631 mts				1 A D/C			
				LA R/S		254.706 mts	
TOTAL LA Wi	dth			519.336	mt.		

#### Cross section @ K.M. 91.450 of G.N.S.S.Main Canal

Canal Cutting:

Left side Bank:

Left side Bank : T.B.L:

197.860 227.155

A.G.L: 227.155 Bed level: 192 710

T.B.L: 197.860 A.G.L: 227.155

A.G.L:

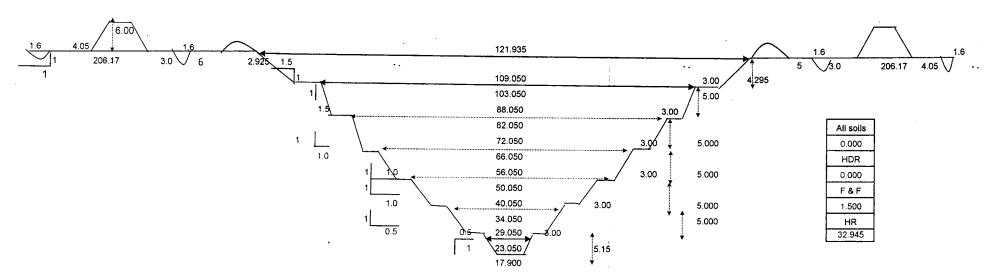
0.000

Depth of Cut: 34.445

Ht.of bank :



0.000



#### Area of Cutting:

In HDR :	(	121.935 +	121.935 ) x	. 0.000	=	0.000 Sq.m
in F&F	( .	2.000	117.435 ) x	1.500	=	<b>0.000</b> Sq.m 179.528 Sq.m
In HR :	(	2.000	109.050 } x	2.795		179.528 Sq.m
	` -	2.000		2.733	=	316.513 Sq.m
In HR:	( _	103.050 +	88.050 ) x	5.000	=	477.750 Sq.m
In HR :	( -	82.050 + 2.000	72.050 ) x	5.000	=	385.250 Sq.m

2070297/20 <sup>-</sup>	18/FCA	-PCCF
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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	- <b>=</b> i	105.446 Sq.m
		2.000			2	·
						<b>1484.76</b> Sq.m

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 Total 2330.006 Sq.m 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 L/S 286.31 mts

LA R/S 282.38 mts

TOTAL LA Width

568.69 mts



Executive Engineer G.N.S.S. Division No. 7

PULIVENDULA-546 390.

### 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.

Dy.Executive Engineer,
PIU Sub-Division, Kadapa.

neer, Executive Engineer, adapa. PIU Division, Kadapa.

Superintending Engineer,
Panchayat Raj: Kadapa.

El12/18

### 2070297/2018/FCA -PCCF

### 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, 4th Block, 1st 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  $32^{nd}$  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 cleanance in the reference 1st 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 extention 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.

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DEPUTY EXECUTIVE ENGINEER

2070297/2018/FCA -PCCF

110. J-12011/18/2006-IA.I

Water De

Government of India
Ministry of Environment & Forest

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Dated 21" June, 200.

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Secteturial
Jerobad-500022

Subject.

Galero Nagari Sujala Shravanti (GNSS) Project in District Krimned Andhra Pradesh - Environmental Clearance reg.

This his reference to your letter No. SEIGNSS Circle/KADAPACump.

The above referred proposal was considered by the Expert Committee for River alley & Hydroelectric projects at its meeting held on 18,04,2006 & reconsidered on 105,2006.

If has been noted that the proposed project contemplates drawl of 38:00 TMC of rolls flood water from Krishna river to provide trigation to 1.052 takh ha. (2.60 takh ras) in two districts of Kadapa and Chittoor, drinking water to about 10 takh people by ing about 3.00 TMC of water and stabilisation of existing command of Pulvandula sach canal to an extent of 2d282 ha. The scheme consists of 11(eleven) lancing/storage reservoir with 14 to 29 m high of dams. Total land requirement for the lancing total days of which 1104.45 ha is forest land. Forest clearance in yet in the other Hearing was conducted in two districts of Chillor & Kadapa on 14.03 2006. Investoration to the project is 4552.33 crores.

The Ministry of Environment and Forests hereby accords configurated arrange as per the provision of Environmental Impact Assosament Notification 1994.

807.9

BERRY WALKSHOW WALKER

## k Specilic conditions

4127700114

Total 6890 Families from 42 Villages are likely to be affected by this project. This calleding families shall be remissitiated as per Andhra Fredosh Government's R.R. y-2005 & its amondment G.O.M.S. No. 78, dated 13th April, 2006.

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

munitoring committee should be constituted which solutives of project affected persons from SC/ST category and a women by The committee would also attend the Grievance Redressal of the affected

Commitment made during Public hearing by the project sutnerty by villerant in chould be fulfilled.

Forest Cleurance should be obtained for acquiring 1104,45 hectare forest famil &

Water user association / co-operative and involvement of the whole numinumly oldisciplined use of evailable water should be provided.

Command Area Development, as proposed in the EIA / EMP include the 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 soll fertility should be ensured.

Occurrence of stagnant pools/slow moving water chainnels during construction nd operation of the project provide breeding source for vector mosquitoes and other perceites. The canal should be properly channellsed so that no small pools and poodles are allowed to be formed. Even after taking precaulien, due to unforescen situations, breeding of mosquito and resultant malada or mosquito borna diseases may increase II such a situation arises. It will be the responsibility of project authorities to take on connective stops i.e. residual insecticidal apray in all the project affected areas and surrounding 3 Km, urea, keeping the flight range of mosquitoes in consideration.

Any other classance light any other organization if required chould be obtained

## Part -B. General Conditions

Provision of supplying kerosene or ceaking gas / Prosaura Coulor to the introurers should be made instead of supplying fuel wood.

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2811

Fuel depot may be opened at the sile to provide the fuel (keresementation in 1975).

All the labourers to be angaged for construction works should be thoroughly milited by health personnel and adaquately treated before issuing work permits.

Restoration of construction area, including dumping site of excavated inequials for all a power house site, chould be ensured by leveling, filling up of borrow pite. Busing etc. The area should be properly effected with suitable plantation.

A multidisciplinary environmental monitoring cell inclusive of the experts from the Weter Management, Hydrogaplogus, Agriculture, Socia-aconomist atc should be selected immediately before the field activities of the project are undertaken.

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

Six monthly menitoring reports should be submitted to the Ministry and he

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

The responsibility of implementation of environmental safeguards rests fully with implement and Government of Andria Pradesh.

In case of change in the scope of the project, project would require a frach

The Ministry reserves the right to add additional saleguard measures assignmently, if found necessary, and to take action including revoking the observace, also the provisions of the Environmental (Protection) Act, 1986, to ensure effective shows of the suggested saleguard measures in a time-bound and satisfactory

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

A copy of the clustance letter will be murked to concerned Punchayet, if may, mutually suggestion/representation has been received while processing the

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461 (42) 543

11. The project proponent should advertise within seven days at least in two local havepapura widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and elso at Wobsito of the Ministry of Environment and Forests at http://www.envior.nlc.in.

> R. Chaudramohan) Joint Secretary to the Govt/of India

- 1. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rati Marg. New Delhi - 110001.
- 2. Dr. Ravi Mallu, Special representative of Govt. of Andhra Pradesh, 1-Astroka Road, Andhra Bhawan, New Delhi - 110001.
- Secretary, Department of Environment, Government of Applica Products Hyderabad.
- 4. Sacretary, Department of Irrigation, Government of Andhra Pradesh, Hyderabad
- 5. The Advisor (I & CAD) Planning Commission, Yolana Bhawan, New Delhi -110
- 6. The Chief Engineer (PAD), Central Water Commission, Sewa Bhawari, R.K. Puram, New Delhi - 100062,
- Member Secretary, Andhra Pradesh Pollution Control Board, Hyderabad
- CCF, Regional Office, Ministry of Environment & Forests, Bangalore.
- El Division, MOEF, New Delhi 110001.

10. Guard file.

B. Chandiaumhanj Joint Socretary to the Cinvi, of tender 2070 7/2018/FCA -PCCF

**ABSTRACT** 

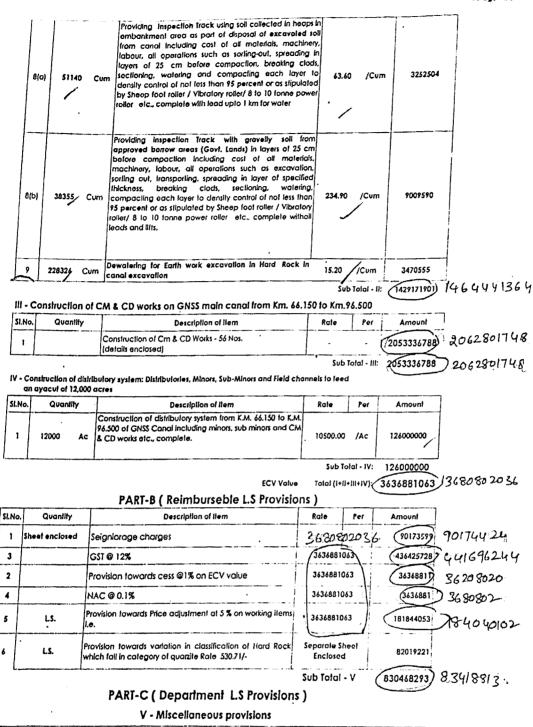
Name of Work: Investigation, Design and earth work excavation of GNSS main canal from Km. 66.150 to Km. 96.500 for balance works including construction of CM & CD Works, and distributory system including field channels to feed an ayacut of 12,000 acres under package - 02/06 of GNSS Phase - II in Kadapa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

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

Si.No.			PART-A :- Working Items (ECV Items	} 		y
II.NO.	Quar	ility	Description of Item	Rale	Per	Amount
1	28.411	K.M	Conducting detailed survey of G.N.S.S. Main canal from K.M. 66.150 to K.M. 96.500 Including chalning, composs Survey and taking L.S. & C.S. at 25 M intervals and fixing P.B.Ms, Conducting sile surveys for C.M. and C.D. works, preparation of designs, H.P. and ostimates etc., complete.	As per	/K.M	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 fram K.M. 66.150 to K.M. 96.500 of GNSS Canal including designs, drawings, preparation of plans and estimates etc., complete.	As per	/Ac	17313426 164 9997
		На	Preparation of L.P. schedules and get the approval from the competent authority for land acquisition width required for Distributory canal.		/Ha	321549
				\$ub	Total - I:	(2837237) 275589:

Si.No.	Quantity	Description of Item	Rate	Per	Amount
1	'527954 Cui	Excavation in all kinds of soil including boulders upto 0.3 m diameter for conal, seating of embankment, filter drains / catch water drains etc., including drossing 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.,	<b>98</b> .80	/Cum	52161855
2	546603 Curr	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 litts including shoring, strutting, dewatering if necessary by machine including conveyance of spoil with a lead of 500 mts.	204.10	/Cum	151140132
	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 litts including shoring, strutting, dewatering if necessary by machine including conveyance of spoil with a lead of 500 mls	304.20	/Cum	391429958
58	85980 £um   de	scavalion in hard rock of all foughness including boulders incove 1.2 m dia. by approved controlled blastling methods for canals, cut-off trench of embankment of the including ontrolling fly-rock by multiing arrangements such as lacing 50 x 50 mm opening chain link mesh or waste lyres and sand bags, monitoring ground vibrations at specified cations, cost of all materials, machinery, labour, placing scavated rock neatly in approved dump area or other ace as directed etc., complete with lead upto 1 km and 1 litis.  The rate under this item shall be adopted for canals signed for carrying capacity of more than 15 cumecs or sere the average depth of excavation in hard rock is the total state.  The rate under this item shall be adopted where the interest under this item shall be adopted where the interest under this item shall be adopted where the interest under this item shall be adopted where the interest under this item shall be adopted where the interest under this item shall be adopted where the interest under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under this item shall be adopted where the interest in the state under the s	442.40	/Cum	259237552

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<b>42</b>	155334 Com	finishing semi-persition / persition cooling / healthy emboulument using and collected in heaps in emboustment area on not of dischool of escended soil from consistency on the day on a materials machiner. Justice, of incidency machiners and as sorthy-out, spreading in bases of 35 cm before composition, brooking obtains rectificity, watering and compositing each have to density control of not less of compositing each have to density control of not less of compositing each have to density control of not for those secret or or as stipulated by Sheep bott have from a stipulated by Sheep bott have from the first only filter to 10 to to 10	## \Crim	10101350
5)	essii con	Providing hearing / costing embankment with homogeneous soil from approved borrow areas Govt tands) in layers of 25 cm before compaction including cost of all materials, modifierly, labour, oil operations such as exception, surfang out, increasing, surreading in layer of excepted thickness, breading clock, sectioning, watering, compacting each layer to density control of not less than 18 percent or as sipulated by Sheep tool rater / Variatory toler/ 3 to 10 forme power roller etc., complete with 6 KM lead and all litts.	241.00 /Cum	117032251
C C	544487, Cum	Providing hearting / casing embankment with homogeneous soil from approved borrow areas (Pathosaceticsele) in layers of 25 cm before compaction including cost of all materials, macrimery, labour, all operations such as econotion, sorting out, transporting, prevading in layer of specified thickness, breaking clock, 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 litts.	132 50	230591092
4	36846 Curm	Providing hearling / casing embankment with normageneous soil from approved borrow areas Govt. ands) in layers of 25 cm before compaction including cost of all materials, machinery, labour, all operations such as accordion, sorting out, transporting, spreading in layer of pecified thickness, breaking clock, sectioning, watering, compacting each layer to density control of not less than 8 percent or as stipulated by Sheep loot roller / Vibratory Ster/8 to 10 tonne power roller etc., complete with 8 KM and and all litts.	267.00 /Cum /	9837882
	331611 Cum see	oviding hearling / casing embankment with progeneous soil from approved borrow areas attal. [amiliards] in layers of 25 cm before compaction cluding cost of all materials, machinery, labour, of perations such as excavation, sorting out, transporting, reading in layer of specified thickness, breating clods, clioning, watering, compacting each layer to density introl of not less than 98 percent or as stipulated by eap foot roller / Wibratory toller/ 8 to 10 tonne power ler etc., complete with 8 KAI leads and litts.	449.50 (3230) /Cum	149059145
	in tor lab layer to the layer t	widing Dowel Banks using soil collected in heops in bankment area as part of disposal of excavaled soil m canal including cost of all materials, machinery, our, all operations such as sorting-out, spreading in ers of 25 cm before compaction, breaking clods, tioning, watering and compacting each layer to sity control of not less than 95 percent or as stipulated. Sheep foot roller / Vibratory roller/8 to 10 tonne power at etc., complete with lead upto 1 km for water	63.60 /Cum	. 3900715



Si.No.	Qu	antity	Description of item	Rale	Per	Amount
		1) Mi	cellaneous works to be done out side the contract			
1	280	Acres	Provision towards land acquisition for main canal	800000	Acre	224000000
2	678	Acres	Provision towards land acquisition for distributory canal	800000	Acre	542400000
3	252	Ac	Provision towards compensatory afforestation.	900000	Acre	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	L.S	•	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
	2. Other I	tems				
9	L.S	•	Provision for preparation of estimate booklets, Tender documents, Xerox charges . Tender advertisement charges .	÷		2000000
10	LS		Provision towards purchase of Scientific instruments	Andrew Control		1000000
11	LS	•	Provision towards for Photographs & Videography during the execution			556259
	J	<u></u>	Sub Total of Item 2	1		3556259 (1034150644
				Sub Tol	ai - Ai:	1034130049

Grand Total: 5501500000

N. Davies 319118 Executive Engineer G.N.S.S. Division No. 7 PULIVENDULA - 516 390.

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

Allested

Depthy Executive Engineer G.N.S. Sub-Division No. 14 KONDAPURAM, Kadapa (Dt).

Chief Engineer (Project)

District Water Resource Officer Water Resource Department หาสุดกล.

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