

CHECK LIST

**For the proposal for Diversion of Forest Lands for non-Forestry purpose under the Forest Conservation Act, 1980 for
Linear Projects: Railway/UG Gas Pipeline/Water Pipeline/Optical Fibre/Electricity Lines etc.**

State S. No. of Project:				
Date of receipt in NO-PCCF's office:				
Name of the Project:		Providing Drinking water to habitations in Godavari and pusuru segments covering Bhadrachalam, Pinapaka, Aswaraopeta, Sathupalli(part), Kothagudem, Yellandu, and Wyr (part) constituencies in Khammam District – Segment 25/1 (Ratham gutta)		
Area proposed for diversion, in Ha:		4.675		
Name of the Forest Division:		Khammam		
Whether area proposed falling in WLS / NP / ESZ / Biosphere Reserve or WL Corridor?		No		
Whether situated in Scheduled Area		YES		
S. No.	Name of Document/Information	Provided or Not (Yes/No)	Page No.	Remarks
A	PART-I			
1	Main application Form from Part-I to V with all its columns duly filled up and signed by the competent authority with date, place and their official seal.	Yes	1 - 3	
2	Detailed note on the project.	Yes		
3	Full Justification for locating the project in forest area (un-avoidance of the forest area for the purpose)	Yes	10 - 13	
4	Certificate for minimum use of forest land giving details of the alternatives examined and reasons for their rejection.	Yes	16	
5	Map of the project site forest area demanded on original Survey of India topographic sheet in 1:50000 or any other suitable scale; clearly showing forest boundaries and adjoining areas with their land use in distinct colors.	Yes	31 - 32	
6	Index Map, if the area is very small, showing forest boundaries and a location map on a larger scale with land use of the area required.	Yes		
7	Geo-referenced digital data (e00 format, Geographic co-ordinate system WGS 84 datum, readings up to 8 decimal places in degrees) of the boundary/ies of the proposed FL for diversion in Shape file (Soft copy in a DVD along with RAW & post-processed data) and digital map in hard copy duly authenticated by competent authority. *The survey shall be performed using DGPS in real-time or post-processed mode. However the survey may be performed using TS in GPS shadow areas, and data shall be duly geo-referenced using GCPs collected by dual frequency DGPS receivers.	Yes		
8	Make & Model of the DGPS equipment used, Names of the Agency/persons involved in the DGPS survey, period of survey, name of the authenticating agency for the accuracy of the survey.	Yes	24	
9	Linear map or a diagrammatic map of the project site.	Yes	29	
10	Statement showing the details of forest area involved i.e. Division, Range, Beat, Forest Block & Compartment No. wise.	Yes	28	
11	Item wise breakup of the forest area proposed for diversion, if any.	Yes	23	
12	Cost Benefit (CB) analysis in prescribed format, wherever required. (For projects involving area of >20 Ha in plains & >5 Ha in hills)	Yes	25	

13	Status of clearance under Environment (Protection) Act, 1986 & Rules 2006 , wherever required.	No		
14	Detailed scheme for rehabilitation of project affected persons , wherever required.	No		
15	Minimum distance of the proposed site from Wildlife Sanctuary and/or National Park, if any .	No		
16	To show the existing Water body / Water channel or road, which should be identifiable.	No		
17	To show the newly proposed bridge /culvert / under- ground pass / tunnel etc. to be identify clearly.	No		
18	To enclose the cross section Plan / Map indicating dimension of (Length / Width / Height /depth etc) clearly.	Yes	30	
19	Undertaking to pay the Net Present Value (NPV) , Addl. NPV of the forest land involved.	Yes	17	
20	Undertaking to pay the Extraction Charges of the trees to be removed from the forest land involved.	Yes	14	
21	Details of equivalent non-forest land identified for Compensatory Afforestation viz. Survey No., Village, Tahsil /Mandal, District etc. along with map in SOI Topo-sheet in 1:50000 or appropriate scale along with the boundaries of adjoining forest area.	NA		
22	Geo-referenced digital data of CA land (e00 format, Geographic co-ordinate system WGS 84 datum, read- ings up to 8 decimal places in degrees) of the boundary/ ies of the proposed FL for diversion in Shape file (Soft copy in a DVD along with RAW & post-processed data) and digital map in hard copy duly authenticated by competent authority . * The survey shall be performed using DGPS in real-time or post-processed mode. However the survey may be performed using TS in GPS shadow areas, and data shall be duly geo-referenced using GCPs collected by dual frequency DGPS receivers.	NA		
23	Make & Model of the DGPS equipment used, Name/s of the Agency/persons involved in the DGPS survey, period of survey, name of the authenticating agency for the accuracy of the survey.	NA	24	
24	Certificates a, c, d, g & h under RoFR Act; where Primi- tive Tribal Groups (PTG) & Pre-Agricultural Commu- nities (PAC) are involved in the proposed FL.	Will be submitted to the DFO		
B	Part II			
1	Enumeration list of trees (species and girth class wise) along with Abstract .			
2	Site inspection report , along with photographs, of the forest area involved in the project in prescribed format.			
3	Impact of proposed project on the flora & fauna in the adjoining forests.			
4	Impact of proposed project on the ecology, specially soil erosion in and around the proposed area for mining.			
5	Mitigative measures to prevent loss to flora, fauna & soil erosion in & around the proposed area for the project.			
6	Detailed scheme for Compensatory Afforestation on identified non-forest area/degraded forest area at present wage rates duly signed by DFO and counter signed by the CF concerned.			
7	Certificate from the DFO that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.			
8	Soil Suitability Certificate from Divisional Forest Officer that the area identified for compensatory Afforestation is suitable for raising plantation.			

DETAILS OF SURVEY INSTRUMENTS USED

Sl.no	Name of the Agency	Instruments used	Persons involved	Period of survey
1	M/S Laxman Enerprises, HYD	DGPS make, Trimble R14, Dual freq.	Sangameshwar rao	November and December 2015



Superintending Engineer
RWS&S TDWSP, Khammam.

"Counter Signed"



Chief Engineer
RWS&S TDWSP, Hyderabad


BEAT RANGE FORMAT

GODAVARI SEGMENT 25/1

S.No	DISTRICT	SEGMENT NAME	DIVISION	BLOCKNAME	RANGE	SECTION	BEAT	COMP_NO	AREA_Ha
1	2	3	4	5	6	7	8	9	10
1	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	3	0.456
2	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	3	0.225
3	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	2	0.147
4	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	5	0.676
5	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	9	0.490
6	KHAMMAM	GODAVARI	PALONCHA	RATHNAGUTTA	ASWAPURAM	MANGURU	MANUGURU SOUTH	9	0.366

"Counter signed"


 Superintending Engineer
 RWS&S ,TDWSP
 Khammam


 Chief Engineer
 RWS&S, TDWSP Hyderabad

FLOW DIAGRAM

LAYING OF WATER SUPPLY PIPE LINE

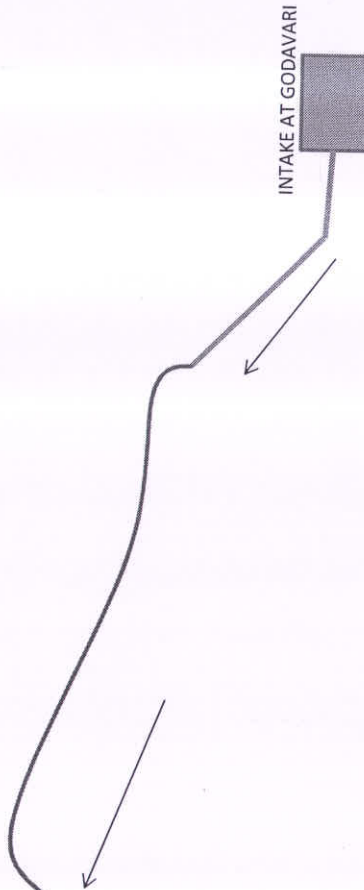
FROM INTAKE WELL AT GODAVARI RIVER TO WTP AT RATHAM GUTTA, KHAMMAM DIST. SEGMENT

25/1 (RATHAM GUTTA)

PALVANCHA FOREST DIVISION



WTP AT
RATHAM
GUTTA



INTAKE AT GODAVARI

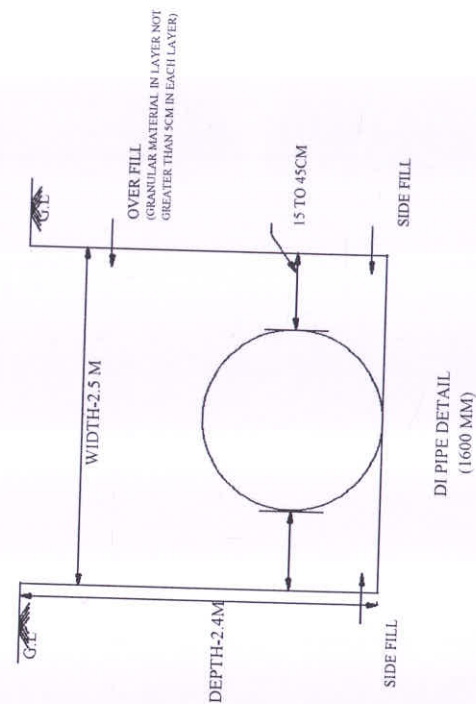
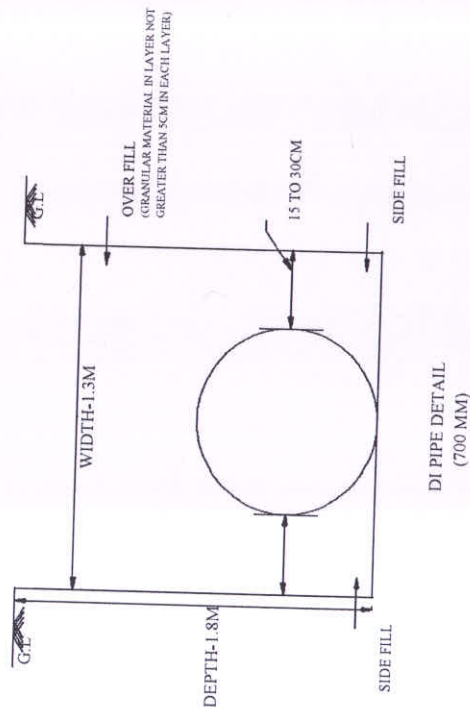
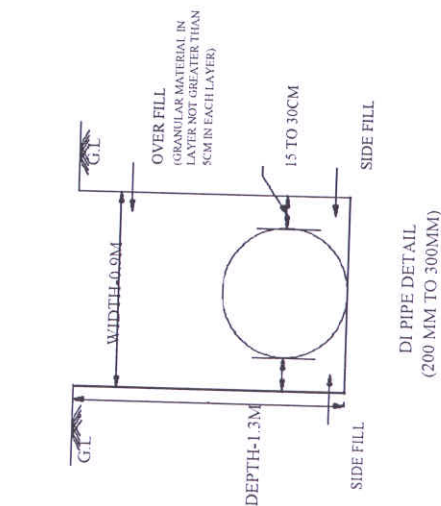
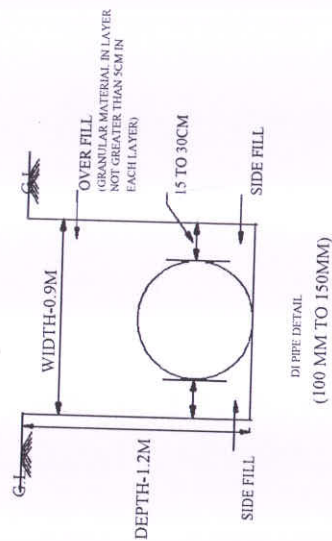
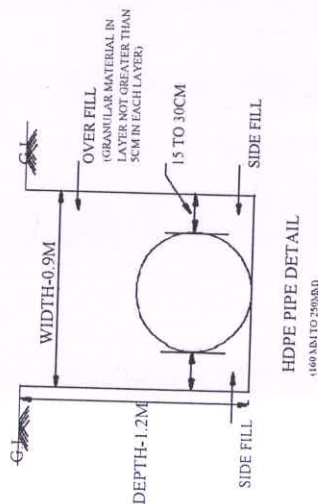
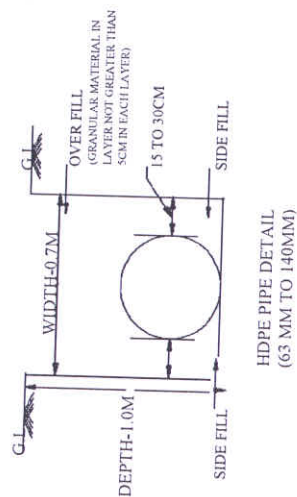
Superintending Engineer
TDWSP, Khammam

//Counter signed//

Chief Engineer
TDWSP, Hyderabad

LEGEND	
ITEM	PROPOSED
PIPE LINES	
FOREST AREA	

TELANGANA DRINKING WATER SUPPLY PROJECT SEGMENT-25 GODAVARI
MAP SHOWING PIPELINE CROSS-SECTION IN FOREST AREA OF PALVANCHA



Counter Sined

SE/TDWS/pkmm

Chief Engineer
TDWSP (RWS&S), Hyderabad.