

**Government of Telangana
Mission Bhagiratha Department**

ANNEXURE

(See Rule 6)

Form -A

Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities.

PART-1


(To be filed up by User Agency)

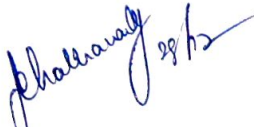
1	Project Details	:	“Construction of Intake Structure, WTP and Pipelines for Four HMWS Segments (Jangaon, Gajwel, Aliar-Bhongir and Medchal), Sri Komaravelli Mallanna Sagar as a source” Laying of Pipe Line and Construction of Other Structures for safe Drinking Water in Medchal forest Division, Medchal District, Telangana State.”
(i)	Short narrative of the proposal and project/scheme for which the forest land is required	:	Government of Telangana has taken up Telangana Drinking Water Supply Project “Mission Bhagiratha” which is one of the flagship programmes of the State with a commitment to provide safe, adequate, sustainable and treated drinking water for the entire rural and urban areas of the State except Hyderabad urban agglomeration inside outer Ring Road. As part of Mission Bhagiratha four (4) segments 1) Gajwel 2) Janagaon 3) Alair- Bhongir and 4) Medchal are being covered duly taking treated water from HMWS&SB at 1) Kondapak 2) Pregnapur and 3) Ghanpur 4) Medchal . In view of the present crisis from HMWS&SB and as instructed, it is planned independent system for Mission Bhagiratha for four (4) HMWS Segments by drawing raw water (9.46TMC) from Sri Komuravelly Mallanna Sagar, treat the same in the nearby proposed WTP(540MLD) and pipeline works for the ultimate water demand of the HMWS&SB dependent (4) segments, accordingly the Government has accorded administrative sanction vide G.O. Rt. No.32 dated 22.01.2020 of PR&RD, Govt. of Telangana for an amount of Rs.674.00Crores
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1,50,000 scale map	:	The DGPS survey data overlaid on Topo Sheets & Enclosed.
(iii)	Cost of the project	:	Rs. 674.00Crores.
(iv)	Justification for locating the project in forest area	:	Annexure enclosed
(v)	Cost-benefit analysis	:	Since no alternative route is available to lay Pipe line,
(vi)	Employment likely to be generated	:	Average 50, 00,000 Man days.

2	Purpose-wise break-up of the total land required	:	An extent of 0.4848 Ha			
			ID	Division	RF Name	Length M
						Width M
						Area Ha
			11	Medchal	LalgatiM alakpet	2666.70
3	Details of displacement of people due to the Project, if any	:	12	Medchal	LalgatiM alakpet	363.12
			Total Area			3029.82
						0.4848
(i)	Number of families	:	Nil			
(ii)	Number of scheduled casts/ Scheduled Tribe Families	:	Nil			
4	Whether clearance under Environment (Protection) Act.1986 required (Yes/No)	:	No			
5	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of safety zone, etc., as per the scheme prepared by the State Government	:	Enclosed			
6	Details of Certificates / Documents enclosed as required under the instructions	:	Documents Enclosed			

"Counter Signed"


Executive Engineer
MB-Grid, Div-Gajwel


Superintending Engineer
MB-Circle, Siddipet


Chief Engineer-III
MB, Hyderabad

Mission Bhagiratha Department Telangana Drinking Water Supply Project

Objectives and Scope

Telangana drinking water supply project (Mission Bhagiratha) is the flagship programme of the state of Telangana. The State Government has embarked on a vision to provide safe, adequate, permanent and sustainable water supply to rural, urban and industrial areas by 2020. Apart from water for domestic use, the project is planned to meet the water needs of commercial entities, industrial units, Special Economic Zones, etc.

The project will be integrated with the existing and ongoing water supply schemes which are sustainable. Balance surface water requirements will be planned from the proposed Telangana Drinking Water Supply Project. The requirement of water for drinking, cooking, domestic need will be taken into account at 100 liters per capita per day (LPCD) for rural areas, 135 LPCD for municipalities/Nagar Panchayaths and 150 LPCD for municipal corporations.

Need of the Project

- As part of Mission Bhagiratha four (4) segments 1) Gajwel 2) Janagaon 3) Alair-Bhongir and 4) Medchal are being covered duly taking treated water from HMWS&SB at 1) Kondapak 2) Pregnapur and 3) Ghanpur 4) Medchal. In view of the present crisis from HMWS&SB and as instructed, it is planned independent system for Mission Bhagiratha for four (4) HMWS Segments by drawing raw water (9.46TMC) from Sri Komuravelly Mallanna Sagar, treat the same in the nearby proposed WTP (540MLD) and pipeline works for the ultimate water demand of the HMWS&SB dependent (4) segments, accordingly the Government has accorded administrative sanction vide G.O. Rt. No.32 dated 22.01.2020 of PR&RD, Govt. of Telangana for an amount of **Rs.674.00 Crores.**

Salient Features:

KALESHWARAM PROJECT: Construction of one barrage across river Godavari at Medigadda near Kaleshwaram, and two more barrages between Medigadda and Sripada Yellampally Project at Annaram & Sundilla and to convey water from Sripada Yellampally Project to the command area spread over in 7 districts of Telangana (now 13 districts after re-organization of districts in the state) through components such as canals, tunnels, lift systems, reservoirs, and distributor network for irrigating an ayacut of 18,25,700 acres, besides irrigation, drinking water (30 TMC for twin cities & 10 TMC for enroute villages) & water for industrial use (16 TMC) is also proposed.

Existing HMWSS Projects :

1) **Jangaon Segment and Part Gajwel Segment:** The treated water is being drawn from the HMWSS sump at Kondapak to the constructed MB sump in the same premises to supply drinking water to the following areas.

Constituencies covered: 1) Gajwel 2) Siddipet 3)Jangaon 4)Ghanpur 5)Palakurthy
ULBs: Siddipet, Jangaon, Tirumalgiri, and Cheriya

Habitations: 903, Population: 977118

2) **Gajwel Segment:** The treated water is being drawn from the HMWSS pumping main at Pregnapur, Gajwel to Komatibanda GLBR to supply drinking water to the following areas.

Constituencies covered: 1) Gajwel 2) Dubbaka

ULBs: Gajwel, Dubbaka and Toopran

Habitations: 425, Population: 624779

3) **Alair Bhongir Segment:** The treated water is being drawn from the gravity main 2.75ML HMWSS Reservoir at Ghanpur, Medchal to supply drinking water to the following areas.

Constituencies covered: 1) Alair 2) Bhongir

ULBs: Bhongir, Yadagirigutta, Alair

Habitations: 545, Population: 667553

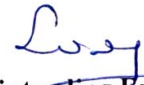
4) **Medchal Segment:** The treated water is being drawn from the 2.75ML HMWSS Reservoir at Ghanpur, Medchal to supply drinking water to the following areas.

Constituencies covered: Medchal


ULBs: Medchal, Shamirpet and Ghatkesar

Habitations: 85, Population: 274464


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 MB, Hyderabad

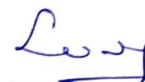
Sagar Reservoir (50TMC) as Source in which 10TMC of water is being considered as dead storage.

Justification for location of the proposed project in forest Area:


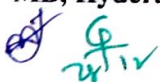
The Proposed "**Laying of Pipeline and Constriction of Other Structures for Drinking Water in Siddipet and Medchal Districts (Four HMWS Segments)**" have no other alternative routes to cover all the tapings and the proposed pipelines and structures in the forest area are essential to cover all the tapings in HMWSS Segments of Siddipet and Medchal Segments as per the Hydraulic Designs and Topography of the area the proposed locations are very much essential and there are no other alternative alignments

Cost of the Project: Rs 674.00 Crores


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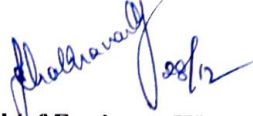
**CERTIFICATE FOR COMPENSATORY
AFFORESTATION**

Mission Bhagiratha Department undertakes to bear the cost of raising and maintenance of Compensatory Afforestation and/or Penal Compensatory Afforestation in any of the degraded forest land if any as per the Scheme prepared by the Forest department in connection with diversion of 0.4848 Ha (Medchal – 0.4848) of Forest land in Medchal District for **“TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District”**. We also undertake to pay additional amount if any due to escalation or any changes at later date as per the demand raised by forest authorities.

"Counter Signed"


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CERTIFICATE


-29-

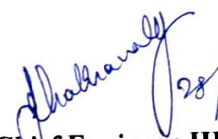
The Mission Bhagiratha (TDWSP) Department has requested the District Collectors of Telangana for Sparing of equivalent Non- Forest land towards CA in lieu of forest land proposed for diversion for **“TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District”**.

Vide Lr. No: AEE1/MB/Forest permission/2020, Date: -2020.

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MB-Circle, Siddipet


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CERTIFICATE FOR BARE MINIMUM

-31-

The Mission Bhagiratha Department hereby certify that the forest land proposed for diversion for the "TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District". is the barest minimum area for the purpose for which it is proposed I also certify that we will not shift to any area other than the area as mentioned in the proposal. Further, I also certify that no suitable private or Government non forest land is available at the site.

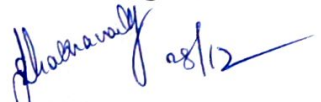


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-33-


**PRESENT REQUIREMENT OF FOREST LAND FOR
"TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA)
for Laying of Pipe line and construction of Other Structures for Providing safe Drinking
Water in Medchal Forest Division, Medchal District"**

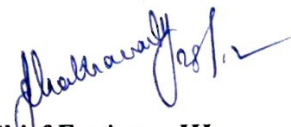
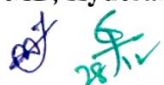
Forest Divisions:

Sl. No.	DESCRIPTION OF LOCATIONS	LENGTH (M)	Width	AREA
			(M)	(Ha)
1	Total length for Laying of pipeline and other structures in the forest land of Telangana Drinking Water supply Project in Lalgati Malakpet RF, Medchal Division.	3029.82	1.60	0.4848
Total Forest Land Area Required		3029.82	1.60	0.4848

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MB-Circle, Siddipet**




**Chief Engineer-III
MB, Hyderabad**


DETAILS OF SURVEY INSTRUMENTS USED				
S.NO	NAME OF THE AGENCY	INSTRUMENTS USED	PERSONS INVOLVED	PERIOD OF SURVEY
1	TRENDZ GIS	Omni STAR	SHIVA SRINIVAS	SEPT-2020

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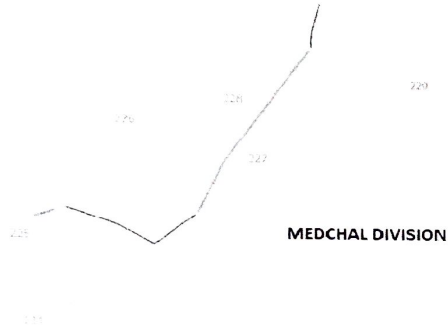

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FLOW DIAGRAM

TELANGANA DRINKING WATER SUPPLY PROJECT for "Laying of Pipe Line and Construction of Other Structures for safe Drinking Water in Medchal Forest Division, Medchal District"





LEGEND	
ITEM Description	
Pipeline in Non Forest	—————
Pipeline in Forest	—————



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"TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District"										
ID	Division	RF Name	Beat	Section	Range	Comp_No	Width in Mtrs	Length_M	Area in Ha	DISTRICT
11	Medchal	Lalgati Malakpet	Turkapally	Lalgati Malakpet	Shamirpet	228	1.60	2666.70	0.4267	MEDCHAL
12	Medchal	Lalgati Malakpet	Lalgati Malakpet	Lalgati Malakpet	Shamirpet	225	1.60	363.12	0.0581	
Total Area								3029.82	0.4848	


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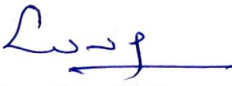

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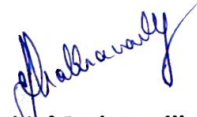

AREA STATEMENT

"TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District"							
ID	Division	RF Name	Structure type	Pipe Dia in mm	Width m	Length in m	Area Ha
11	Medchal	Lalgati Malakpet	MS Pipes	1600	1.60	2666.70	0.4267
12	Medchal	Lalgati Malakpet	MS Pipes	1600	1.60	363.12	0.0581
Total Area						3029.82	0.4848

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MB, Hyderabad


COST-BENEFIT ANALYSIS FOR EVALUATION OF LOSS		
Sl.No	Parameter	Evaluation of forest loss due to the project
1	2	3
1	Increase in productivity attributable to the specific project	This will improve the availability safe drinking water in Telangana State to the extent of Shamirpet and Ghanpur mandals in Medchal District in a span of 1 year.
2	Benefits to Economy	Basic community needs will be strengthened, Generation of employment, Improvement in the standards of drinking water for people living in the area.
3	No. of population benefits.	Public in general
4	Employment potential	Direct employment will be provided for around 10 Nos
5	Cost of acquisition of facility on non forest land.	Nil
6	Loss of (a) agricultural & (b) animal husbandry production due to diversion of forest land.	Nil
7	Cost of rehabilitating the displaced persons as different from amounts given for displacement.	Nil
8	Cost of supply of fuel wood to workers residing in or near forest area during the period of construction.	No fuel wood will be used for any purpose.

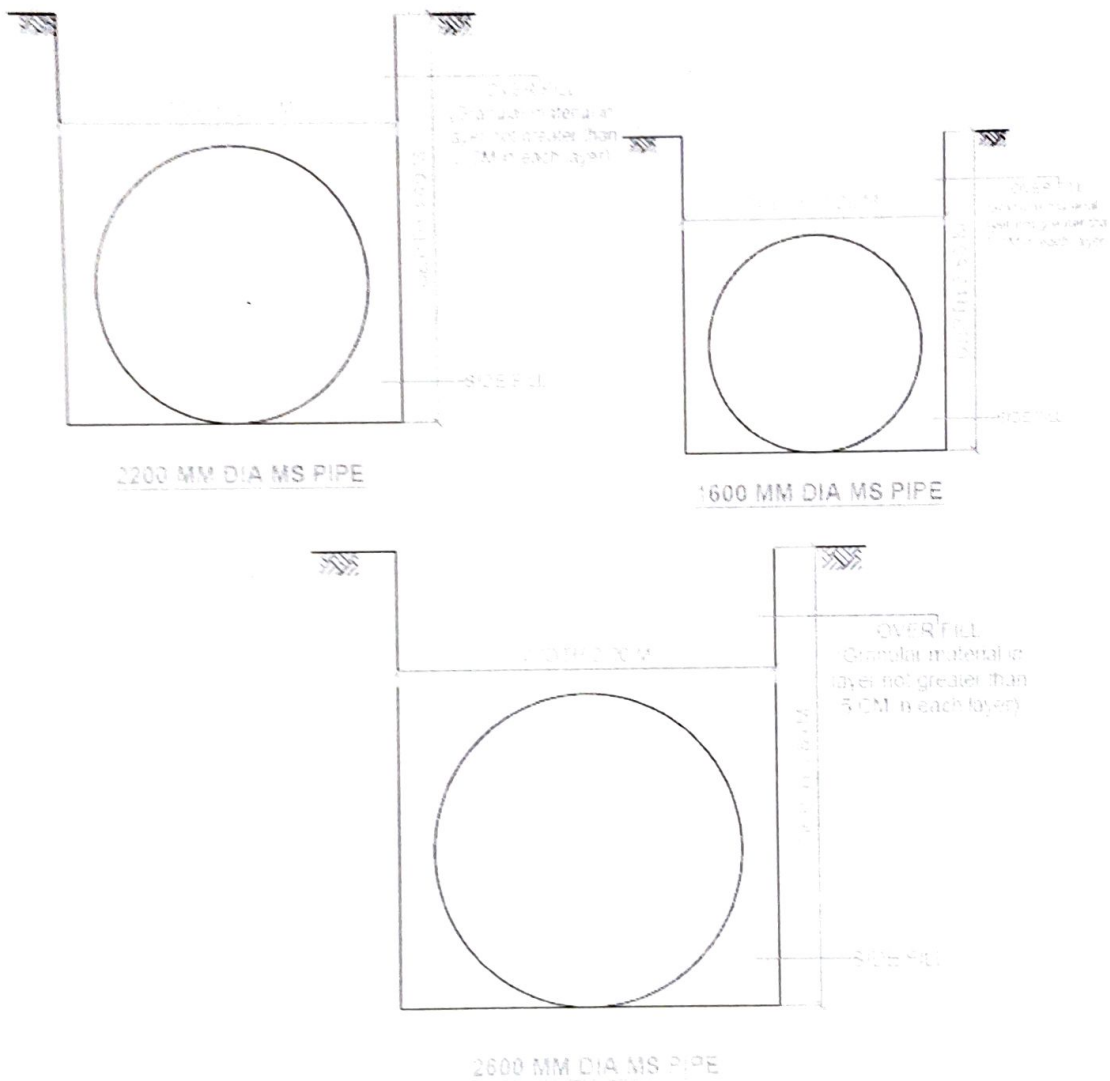
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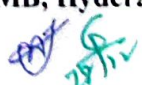
**"TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of
Pipe line and construction of Other Structures for Providing safe Drinking Water in
Medchal Forest Division, Medchal District".**




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Chief Engineer-III
MB, Hyderabad


CERTIFICATE FOR PAYMENT OF NET PRESENT VALUE

The Mission Bhagiratha Department undertake to pay the cost of Net Present Value/Addl.Net Present Value of the Forest Land to be diverted as per orders of the State Government /Government of India and Hon'ble Supreme Courts in this regard, as and when the demand is raised by the Forest Department. We also undertake to pay additional NPV amount, if any, by virtue of Hon'ble Supreme Court of India orders at later stage.



Executive Engineer
MB-Grid, Div-Gajwel



Superintending Engineer
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CERTIFICATE

**Undertaking to pay cost of exploration of Tree Growth
in diverted forest area and also bear the escalation Costs**

We do hereby give an unconditional and irreversible undertaking to pay the cost of exploration of the Tree Growth in the forest land proposed for diversion under the project "TELANGANA DRINKING WATER SUPPLY PROJECT (MISSION BHAGIRATHA) for Laying of Pipe line and construction of Other Structures for Providing safe Drinking Water in Medchal Forest Division, Medchal District". As and when demanded by the forest department and also undertake to pay the additional amount if any due to escalation or any other changes at later date as per the demand raised by the forest authorities.



Executive Engineer
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Superintending Engineer
MB-Circle, Siddipet

"Counter Signed"



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MB, Hyderabad

