

(1)

## APPENDIX

(See Rule 6)

### FORM-'A'

**Form for seeking prior approval under section 2 of the proposals by the state government and other authorities.**

#### Part-1

**(To Be Filled by User Agency)**

#### **A.GENERAL DETAILS**

##### **A.1 Project Details** :

###### **i) Short Narrative**

Due to rapid urbanization in Hyderabad City and merger of surrounding municipalities into Greater Hyderabad Municipal Corporation (GHMC), and the Special Economic Zones (SEZs), IT Sectors, ORR growth corridors, has resulted in increase of service area of HMWSSB from 169.30 Sqkm to 688.20 Sqkm with increased population both in erstwhile MCH and GHMC areas. This has created huge additional water supply demand than the projected in addition to the normal domestic demand.

Further after formation of Greater Hyderabad City, the areas outside the GHMC limits including several municipalities falling within the vicinity of HMDA area of 7257 Sqkm and also with the proposed new ITIR corridors, extension of service area of HMWSSB upto ORR and other developing infrastructure is creating new water demand on HMWSSB. Accordingly as per the population projections in GHMC area / HMDA jurisdiction, the demand for water and supply for different horizon years has been assessed and the demand for 2041 is expected as 1625.91 Mgd i.e. 94.53 TMC. The available quantity from the existing sources is 602 Mgd i.e. 35.32 TMC and the deficit is about 1023.91 Mgd (59.21 TMC). The tentative identification of sources for meeting future demand are:

- i) Godavari System – New Storage Reservoir – 5.04 TMC.
- ii) Krishna System – New Storage Reservoir - 10.0 TMC

Hence, the Government of Telangana has proposed for construction of two reservoirs with the two identified sources which will be executed in a phased manner and the present project "Construction of storage reservoir at Keshavapuram with Associated drinking water supply components – Redesign of storage reservoir capacity within government & forest lands and components for additional drawl of 10 TMC from Kondapochamma Sagar to ghanpur WTP for the Drinking water requirements of Hyderabad city under Hybrid Annuity Mode of contract." (G.O,Ms.No. 273 dated:24.10.2017 & GO RtNo.129, dt: 29.02.2020 by MAUD (Engg) Dept Telangana).

ii) Map Showing the Required forest land And Boundary of adjoining Forest on a 1 in 50,000 scale topo map:

(Maps submitted in 1:50,000 scale.)

The map showing the proposed forest area for diversion is enclosed along with the geo-coordinates recorded using ETS & DGPS/ GNSS instruments.

iii) Cost of the Project :

Rs.4777.59 Crores.

iv) Justification for locating the project in forest area:

The reservoir Site has been selected with reference to the following parameters:

- Topography of the reservoir area;
- Subsurface geological considerations;
- Condition of the Abutments for concrete blocks;
- Foundation meeting the geological requirements;
- Adequate storage capacity;
- Accessibility of the site;
- Availability of construction material

(A detailed report enclosed).

Accordingly proposals have been formulated keeping in view of the tapping source of Kondapochamma Sagar reservoir in such a way that inflow to proposed Keshavapuram reservoir shall be by gravity mode from Kondapochammasagar and accordingly the alignment of reservoir shall constructed based on above criteria/parameters and the details of land for reservoir are as follows:

1. Government, Government Assigned & Patta lands-261.14 Ha
2. Forest land - 409.53 Ha( as per the notification)  
387.13 Ha( horizontal area as per the DGPS)

All the alternatives have been examined and selected the present location with respect to the above criteria to have sufficient storage of water.

v) Cost Benefit analysis (To be enclosed):

Enclosed as per the new guidelines.

vi) Employment likely to be generated:

Employment during construction of works for 1000 Nos of unskilled, semi-skilled and skilled workers for a period of 36 months.

After completion of project, direct/ indirect employments under manning, operation and maintenance and other areas wherein about employment of about 300-400 persons will be generated.

**2. Purpose wise breakup of the total Land required Extent:**

**2.1. and 2.2. Component Wise and block wise breakup (refer map Attached for locations)**

(I)

<u>S. No.</u>	<u>Division</u>	<u>Block</u>	<u>Compartment No.</u>	<u>Component Description</u>	<u>Area in Ha</u>
1.	Medchal	Keshavapuram-RF	242 & 243	Earthen Bund area	198.00
				Submergence area.	211.53
				<b>Total:</b>	<b>409.53 Ha</b>

- 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)

(II)

<u>S. No.</u>	<u>Component Description</u>	<u>Forest land area in Ha</u>	<u>Non forest land area in Ha</u>
1	Earthen Bund area	198.00	114.30
2	Submergence area.	211.53	146.84
<b>Total:</b>		<b>409.53 Ha</b>	<b>261.14 Ha</b>

- 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)

**3. Details of displacement of People due to the project if any:**

- i) Number of families : NIL
- ii) Number of schedules Caste/ Schedule Tribal families. : NIL
- iii) Rehabilitation plan : NIL

**4.** Whether clearance under Environment (Protection) Act, 1986 Required/ (Yes/No) : No. (Copy of letter issued by TSPCB is enclosed).

**5.** Undertaking to bear the cost of raising and maintenance of compensatory Afforestation and protection and regeneration of safety Zone, etc., as per the state Government (Under taking to be enclosed). : Copy is enclosed.

6. Details of Certificates / Documents Enclosed as required under the instructions.

1. Undertaking to Pay cost of raising and maintenance of Compensatory Afforestation
2. Undertaking (to Pay Net Present Value)
3. Undertaking (to Pay Addl. Cost of Net Present Value (NPV))
4. Undertaking for unqualified commitment from project authority
5. To Pay cost of extraction of tree growth
6. Model and Make of the ETS & DGPS/ GNSS Instruments
7. Non violation certificate
8. Feasible certificate
9. Undertaking (for no labour camps)
10. Area Minimum Certificate
11. Certificate of availability of Non-Forest CA land
12. Plan showing the Diversion of Forest Land

  
 GM(E)/PD-IX  
 HMWSSB

General Manager (Engg.)  
 Project Division - IX,  
 HMWS & SB, Khairatabad, Hyd-04, I

  
 CGM(E)/Keshavapuram Circle  
 HMWSSB

Chief General Manager (Engg.)  
 Kesavapuram Circle: HMWSSB,  
 Khairatabad, Hyderabad-500 004.

  
 Director (Technical)  
 HMWSSB

**Director-Technical**  
**HMWSSB**