

Undertaking

(27)

to Pay cost of raising and maintenance of Compensatory Afforestation

We hereby undertake to pay the cost of raising and maintenance of compensatory afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.) over non-forest land offered to forest department, as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities for Diversion of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)of Forest Land in Medchal Forest division for "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" Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

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

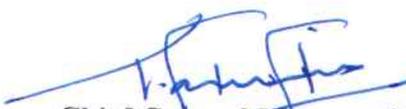
II)

<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
Total:		409.53 Ha	261.14 Ha

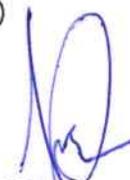
* 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)


General Manager(Engg.)
Project Division-IX
HMWS&SB

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


Chief General Manager(Engg.)
Keshavapuram Circle
HMWS&SB

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


Director
(Technical).
HMWS&SB

Director-Technical
HMWSSB

Undertaking (to Pay Net Present Value)

We hereby undertake to pay Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt and MoEF for Diversion of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in Medchal Forest division for "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" Project in favour of HMWSS&SB department.

We also herby undertake to pay differential NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

- 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
Total:		409.53 Ha	261.14 Ha

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

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

[Signature]
Chief General Manager(Engg)
 Keshavapuram Circle
 HMWS&SB
 Chief General Manager (Engg.)
 Kesavapuram Circle: HMWSSB,
 Khairatabad, Hyderabad-500 004.

[Signature]
Director (Technical),
 HMWS&SB
Director-Technical
 HMWSSB

Undertaking

(31)

(to Pay Addl. Cost of Net Present Value (NPV))

We hereby undertake to pay Addl. Cost of Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of Hon'ble Supreme Court of India/ State Govt. and MoEF for Diversion of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in Medchal Forest division for "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" Project.

We also hereby undertake to pay differential additional NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

• 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
Total:		409.53 Ha	261.14 Ha

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

Deveddy
General Manager(Engg)
Project Division-IX
HMWS&SB

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

[Signature]
Chief General Manager(Engg)
Keshavapuram Circle
HMWS&SB

Chief General Manager (Engg.)
Keshavapuram Circle; HMWSSB,
Khairatabad, Hyderabad-500 001.

[Signature]
Director
(Technical).
HMWS&SB

Director-Technical
HMWSSB

Undertaking for unqualified commitment from project authority

to Pay cost of extraction of tree growth

We herby undertake to pay the cost of extraction of tree growth of the forest land proposed for diversion under the project as and when demanded by the forest authorities for extraction charges and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities for Diversion of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in Medchal Forest division for ""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" Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

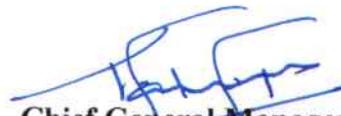
• 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)

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
	Total:	409.53 Ha	261.14 Ha

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


General Manager(Engg)
Project Division-IX
HMWS&SB


Chief General Manager(Engg)
Keshavapuram Circle
HMWS&SB


Director (Technical).
HMWS&SB

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

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

Director-Technical
HMWSSB

Model and Make of the ETS & DGPS/ GNSS Instruments

It is certified that the ETS & DGPS/ GNSS Survey was carried out through an outsourcing agency. The make and model of the DGPS/ GNSS instruments are Leica 1230 and Trimble R4 and R3. The Team Leaders was P.V. Rao. The ETS & DGPS/ GNSS data was verified and authenticated by the Forest Department.


General Manager(Engg)
Project Division-IX
HMWS&SB


Chief General Manager(Engg)
Keshavapuram Circle
HMWS&SB


**Director
(Technical).**
HMWS&SB

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

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

**Director-Technical
HMWSSB**

NON VIOLATION CERTIFICATE

37

Certified that no work has been carried out in violation of FCAct, 1980 and W(P)Act,1972 in the proposed forest area to an extent for Diversion of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in Medchal Forest division for ""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" Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

• 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
	Total:	409.53 Ha	261.14 Ha

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


General Manager(Engg)
Project Division-IX
HMWS&SB


Chief General Manager(Engg)
Keshavapuram Circle
HMWS&SB


**Director
(Technical).**
HMWS&SB

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

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

Director-Technical
HMWSSB

FEASIBLE CERTIFICATE

It is certified that, all the possibilities to avoid forest land for the project have been explored and it is found that no alternative suitable non-forest land is technically feasible and viable to that part of the work for which diversion has been proposed to an extent of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in Medchal Forest division for “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” Project.

District-wise and Division-wise Break up of forest land required:

I)

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

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

II)

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

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


General Manager(Engg)
 Project Division-IX
 HMWS&SB

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


Chief General Manager(Engg)
 Keshavapuram Circle
 HMWS&SB

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


Director
(Technical).
 HMWS&SB

Director-Technical
 HMWSSB

Undertaking (for no labour camps)

The user agency is hereby undertake that no labour camp shall be established on the forest lands during the construction of the work for Forest Land in Medchal Forest Division to an extent of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) for the purpose of components for “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” Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

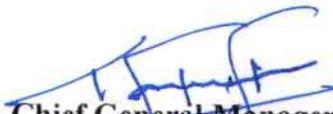
• 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS)

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
Total:		409.53 Ha	261.14 Ha

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


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


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


Director
(Technical).
 HMWS&SB
Director-Technical
 HMWSSB

Area Minimum Certificate

Certified that the proposed 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) of Forest Land in various divisions of Medchal Forest Division for the purpose of components for ""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" Project. Also certified that any other forest land has not taken for this project. We also hereby undertake that no taking of fresh forest land shall be carried out during execution of the Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

- 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
	Total:	409.53 Ha	261.14 Ha

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


General Manager(Engg)
 Project Division-IX
 HMWS&SB


Chief General Manager(Engg)
 Keshavapuram Circle
 HMWS&SB


Director
(Technical).
 HMWS&SB

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

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

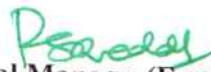
Director-Technical
HMWSSB

Certificate of availability of Non-Forest CA land

It is certified that, The HMWS&SB has identified the Non-Forest CA land (Govt. land) towards compensatory afforestation for Keshavapuram project in various divisions of Medchal Districts for “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” Project

District-wise and Division-wise Break up of CA land available

<u>S. No</u>	<u>Name of the District</u>	<u>Name of the Mandal</u>	<u>Name of the Village</u>	<u>Survey No</u>	<u>Area In Ac</u>	<u>Dist. Wise total land acquired.</u>	<u>Remarks</u>
1.	Siddipet	Siddipet (R)	Bussapur	353	48.95	263.63 AC (106.69 Ha)	G.O No 165 Dt:14.08.2018 issued and transferred the CA land to Forest Dept for 263.63 Ac in Siddipet Dist
			Irkode	780	139.54		
			Venkatapur	120	75.14		
2	Suryapet	Jajireddygudem	Adivemula	505	297.69	342.69 Ac (138.68 Ha)	File is in circulation with Hon'ble CM's office vide file no 9620/ASSN-III(2)/2019- 1 for 343.29 Ac Dt:14.08.2019 in Suryapet Dist
			Thimmapuram	418	45.00		
3	Suryapet	Jajireddygudem	Thimmapuram	418	64.62	280.11 Ac (113.35 Ha)	File with Lr No E1/45/2019 Dt:14.05.2020 CCLA Hyd for transmission to Spl CS (Rev) for issuing G.O in Suryapet Dist
			Kasarlaphad	312	57.86		
		Survyapet	Ramavaram	78	157.63		
4	Yadadri-Bhuvana giri	Narayanpur	Mahammadabad	266	31.85	31.85 Ac (12.89 Ha)	File with Lr No E2/2857/2017 Dt:12.05.2020 CCLA Hyd for transmission to Spl CS (Rev) for issuing G.O in Yadadri Dist
5	Suryapet	Chilkur	Chilkur	1151/2	63.00	93.00 Ac (37.63 Ha)	Soil Suitability has to be ascertained by PCCF, DGPS Survey has to be done in Suryapet Dist
		Palakeedu	Ravipadu	31	30.00		
Grand Total					1011.28 Ac	409.23 Ha	


General Manager(Engg)
 Project Division-IX
 HMWS&SB


Chief General Manager(Engg)
 Keshavapuram Circle
 HMWS&SB


Director
(Technical).
 HMWS&SB

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

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

Director-Technical
HMWSSB

Plan showing the Diversion of Forest Land in various division Medchal District to an extent of 409.53 Ha as per notification(387.13Ha horizontal area as per DGPS) for the purpose of components for “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 10TMC from Kondapochamma Sagar to ghanpur WTP for the Drinking water requirements of Hyderabad city under Hybrid Annuity Mode of contract” Project for HMWS&SB. (47)

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

• 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
Total:		409.53 Ha	261.14 Ha

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


General Manager(Engg)
 Project Division-IX
 HMWS&SB

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


Chief General Manager(Engg)
 Keshavapuram Circle
 HMWS&SB

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


Director
(Technical).
 HMWS&SB

Director-Technical
HMWSSB

Undertaking (for usage of Suitable Gravel/soil available in submerge portion)

The user agency hereby undertake that if any Suitable Gravel/Soil specification matching the technical parameters required for construction of bund, available only within the submergence portion of forest land (211.53 Ha) will be dug up to be utilized for the purpose of construction of bund for "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" Project.

District-wise and Division-wise Break up of forest land required:

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
				Total:	409.53 Ha

- 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
	Total:	409.53 Ha	261.14 Ha

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

P. Sreeddy
General Manager (Engg)
Project Division-IX

General Manager (Engg)
Project Division No, IX
H.M.W.S & S. Board.

[Signature]
Chief General Manager (Engg)

Keshavapuram Circle
Chief General Manager (Engg.)
HMWS&SB
Keshavapuram Circle: HMWSSB,
Khairatabad, Hyderabad-500 004.

[Signature]
Director
(Technical).
HMWS&SB

Director-Technical
HMWSSB