

Report accompanying the forest proposals of 3168.1315 Ha Forest Land required for revised Kaleshwaram Project an off – shoot of Dr. B.R. Ambedkar Pranahitha-Chevella Sujala Sravanthi project.

ORIGINAL PROPOSALS:

1.1 Introduction: Dr. B.R. Ambedkar Pranahita – Chevella Sujala Sravanthi project was proposed for diversion of 160 TMC of water by constructing a barrage with FRL +152.00m across river Pranahita near the confluence of rivers Wardha and Wainganga at Tummidihetti (V), Koutala(M), Adilabad District of Telangana State. It further utilizes 20 TMC of water from River Godavari at Sripada Yellampally Project. This project was planned to provide Irrigation facilities for an ayacut of 16,40,000 Acres (6,63,000 ha) in drought prone areas in seven Districts in Telangana State utilizing 5 online balancing reservoirs of other projects and seven newly proposed reservoirs. Further, the project also envisages provision for drinking water to the enroute villages (10 TMC), water for industrial requirements (16 TMC) and drinking water to twin cities of Hyderabad & Secunderabad (30 TMC).

The project is divided into 7 links and 28 packages. The administrative approval for the project was sanctioned for Rs.38,500 Crores vide G.O.Ms.No.238, Dt: 17.12.2008. In-Principle clearance for the project was received from Central Water Commission in 04/2010. The Detailed Project Report was submitted to CWC, New Delhi in 10/2010. There are various components of works involved in this project in each package viz., Approach channels, Gravity canals, Tunnels, Lift system and allied works, Reservoirs & Distributory network system.

The proposed activities pass through the forest areas at certain reaches. Hence requires clearances under the Forest (Conservation) Act,1980 and Environmental (Protection) Act,1986.

Accordingly, the proposals for diversion of 8 forest divisions of Telangana covering in 10 packages out of 28 packages were submitted to the Forest Department under the Forest (Conservation) Act,1980. The same has been forwarded by the State Government in December, 2014 to MoEF & CC, GoI, New Delhi for according necessary approvals under the Forest (Conservation) Act,1980. A team of officials from Regional Office, MoEF & CC, GoI, Chennai also visited the forest areas proposed for diversion. The additional information sought by the MoEF & CC, GoI was also submitted.

However, in the meantime, Government of Maharashtra has raised objections on submergence of their territory due to construction of barrage with FRL +152.00 m and requested to reduce the FRL to +148.00 m. Further, the Central Water Commission, New Delhi has assessed the net water availability at the barrage location (Tummidihetti) as about 165.38 TMC out of which the divertible quantity is only 44 TMC with FRL +148.00 m as against the allocation & utilization of 160 TMC. Further, the CWC has suggested to make adequate provision for storage of water and to match the demand and supply. This

reduction of level from +152.00 to +148.00 m; reduced availability of water and for adequate storage of water, necessitated the State of Telangana to re-engineer the projects contemplated. In order to make the project functional and achieve the contemplated benefits to effectively utilize the Telangana state's share of Godavari Basin, an alternate location of barrage across river Godavari has been proposed at Medigadda with FRL +100.00m.

Therefore, after re-engineering, the original Dr.BRAPCSS project has been divided into two projects viz., Kaleshwaram project and Dr.B.R.Ambedkar Pranahita Project (Adilabad).

In view of the above, the project had to be re-engineered as follows:

- i. Dr.B.R.Ambedkar Pranahita project to divert 20 TMC of water by constructing a barrage across river Pranahita near the confluence of rivers Wainganga and Wardha at Tummidihetti (V), Koutala (M), Adilabad District for irrigating an ayacut of 2,00,000 acres in East Adilabad district against the original proposed ayacut of 56,500 acres in the district.
- ii. Kaleshwaram Project which envisages construction of barrage across river Godavari at Medigadda near Kaleshwaram, and two more barrages between Medigadda and Sripada Yellampally Project at Annaram village & Sundilla village and to convey water to the command area spread over in 13 districts of Telangana through components such as canals, tunnels, lift systems, reservoirs, and distributory network for irrigating an ayacut of 18,25,700 acres.

It is re-iterated that the Kaleshwaram and Pranahita projects are the off-shoots of Dr.B.R.Ambedkar Pranahita-Chevella Sujala Sravanthi project.And they are two independent projects.

1.2 Revised scope of work:

The project system from SYP to MMR and beyond MMR is suitably modified to carry about 2 TMC/day and the storage capacity is also proposed to be increased from 16.43 TMC to 147.71 TMC involving 20 No's of Reservoir located in different segments of the command as follows:

1.3 Kaleshwaram Project:

Kaleshwaram Project is an off-shoot of Dr.B.R.A.P.C.S.S.Project after re-engineering by the Irrigation & CAD Department. This Project envisages construction of barrage across river Godavari at Medigadda near Kaleshwaram, and two more barrages between Medigadda and Sripada Yellampally Project at Annaram village & Sundilla village and to convey water to the command area spread over in 13 districts of Telangana through components such as canals, tunnels, lift systems, reservoirs, and distributory network for irrigating an ayacut of 18,25,700 acres. This project system suitably modified to carry about 2.00 TMC per day and also proposed to increased from 11.43 TMC to 180.00 TMC involving of 20 no's of reservoirs.

The net availability of water at proposed barrage is as 282.300 TMC (as against requirement of 180 TMC) (copy of assessment report is enclosed) considering ongoing and proposed utilization through project. The details of the revised of scope of work are as follows:

Package No. & Brief Description of earlier of work	Present estimated cost & revised scope of the work
----	Medigadda Barrage & LIS: Rs.4675.4 Crores (Agt Value) (New Package) = Construction of barrage at Medigadda with 16.17 TMC capacity at FRL +100.00 m. = Lifting 660 Cumecs of water from pumphouse near Kannepally(v), Mahadevpur(M), Jayashankar Bhupalpally(Dist) to Annaram barrage including CM&CD works.
----	Annaram Barrage & LIS: Rs.3122.05 Crores (Agt Value) (New Package) = Construction of barrage at Annaram with 11.9 TMC capacity at FRL +120.00 m. = Lifting 660 Cumecs of water from pumphouse near Annaram (V), Mahadevpur(M), Jayashankar Bhupalpally(Dist) to Sundilla barrage including CM&CD works.
----	Sundilla Barrage & LIS: Rs.2985.83 Crores (Agt Value) (New Package) = Construction of barrage at Sundilla with 5.11 TMC capacity at FRL +130.00 m. = Lifting 660 Cumecs of water from pumphouse near Goilwada (V), Ramagundam (M), Peddapally(Dist) to SYP including CM&CD works.
Package No.6:Rs. 3859.714 Crores. (Agt val) Conveyor system incl canals, twin tunnel, lift system from Sri Pada Yellampally Reservoir to Medaram Reservoir	Package No.6: Rs.4961.314 Crores Conveyor system incl canals, tunnel, lift system from Sri Pada Yellampally Reservoir to Medaram Reservoir
= Discharge – 535 cumecs	= Discharge – 624 cumecs
= No. of pumps – 6 x 100.83 MW	= No. of pumps – 7 x 124.4 MW
Package No.7:Rs. 2118.5925 Crores. (Agt val) Conveyor system incl canals, twin tunnel, lift system etc from from Medaram Reservoir to Ragampet(V), near Kakatiya Canal	Package No.7:Rs.1539.83 Crores Conveyor system incl canals, twin tunnel, lift system etc from from Medaram Reservoir to Ragampet(V), near Kakatiya Canal
= Discharge – 535 cumecs	= Discharge – 624 cumecs
= No. of pumps – 3 x 50 MW	= Lift system deleted from the scope

Package No.8: Rs. 3271.0946 Crores. (Agmt val) Conveyor system including canals, twin tunnel and lift system from Ragampet(V) to Flood Flow Canal to feed Mid Manair Reservoir = Discharge - 419 cumecs = No. of pumps - 5 x 134 MW	Package No.8: Rs.4900.3946 Crores Conveyor system including canals, twin tunnel and lift system from Ragampet(V) to Flood Flow Canal to feed Mid Manair Reservoir = Discharge - 624 cumecs = No. of pumps - 7 x 139 MW
Package No.9: Rs. 714.714 Crores. (Agmt val) Conveyor system including canals, twin tunnel and lift system from Mid Manair Reservoir to Upper Manair reservoir = Discharge - 16 cumecs = Ayacut - 80000 acres = Malakpet reservoir - 0.35 TMC	Package No.9: Rs. Crores. Rs.926.20 Crores Conveyor system including canals, twin tunnel and lift system from Mid Manair Reservoir to Upper Manair reservoir = Discharge - 31.777 cumecs = Ayacut - 86150 acres = Deleted from original scope Malakpet Reservoir:- Rs. 600 Crores. = Formation of Malakpet reservoir with 3.0TMC. = The work is deleted from original scope of work. = It is proposed to call fresh tenders to entrust the work.
Package-10:- Rs. 1928.00 Crores. (Agmt val) Conveyor system incl canals, tunnel, lift system from Mid-Manair Reservoir to Ananthagiri reservoir. = Discharge - 241 cumecs = No. of pumps - 3 x 106 MW. = Ananthagiri reservoir - 1.7 TMC capacity. = Ayacut - 30000 acres	Package-10:- Rs.2715.35 Crores. Conveyor system incl canals, tunnel, lift system with one addl. pump from Mid-Manair Reservoir to Ananthagiri reservoir. = Discharge - 321.33 cumecs = No. of pumps - 4 x 106 MW. = Ananthagiri reservoir - 3.5 TMC capacity. = Ayacut - 30000 acres
Package-11:- Rs.2500.53 Crores. (Agmt val) Conveyor system incl canals, tunnel, lift system from Ananthagiri Reservoir to Imamabad reservoir = Discharge - 241 cumecs = No. of pumps - 4 x 88.5 MW. = Imamabad reservoir - 1.5 TMC capacity. = Ayacut - 110000 acres	Package-11:- Rs. 3131.02 Crores. Conveyor system incl canals, tunnel, lift system from Ananthagiri Reservoir to Sri Ranganayaka Sagar (Imamabad) = Discharge - 343.2 cumecs = No. of pumps - 4 x 134.44 MW. = Imamabad reservoir - Deleted from scope = Ayacut - 110000 acres Sri Ranganayaka Sagar:- Rs. 524.00 Crores. = Formation of Sri Ranganayaka Sagar (Imamabad) (3.0 TMC). = The work is deleted from original scope of work. = It is proposed to call fresh tenders to entrust the work.

<u>Package-12:- Rs.1954.59 Crores.</u> <u>(Agmt val)</u>	<u>Package-12:- Rs.3359.79 Crores.</u>
Water conveyor system incl canals, tunnel, lift system from Imamabad Reservoir to Tadkapally reservoir	Water conveyor system incl canals, tunnel, lift system with addl. pumps from Sri Ranganayaka Sagar (Imamabad) to Sri Komaravelli Mallanna Sagar (Tadkapally)
= Discharge - 213 cumecs	= Discharge - 248.5 cumecs
= No. of pumps - 6 x 41 MW.	= No. of pumps - 8 x 43 MW.
= Tadkapally reservoir - 1.5 TMC capacity.	= Tadkapally reservoir - Deleted from the scope
= Ayacut - 125000 acres	= Ayacut - 125000 acres
-----	<u>SKMS Reservoir:- Rs. 7265.90 Crores.</u> = Formation of Sri Komaravelli Mallanna Sagar (Tadkapally) (50.0 TMC). = The work is deleted from original scope of work. = It is proposed to call fresh tenders to entrust the work.
<u>Package-13:- Rs. 529.75 Crores.(Agmt val)</u>	<u>Package-13:- Rs. 550 Crores (Tentative) s.</u>
Water conveyor system from Tadkapally reservoir to Tippam Reservoir (1.0 TMC) to convey water from Tadkapally reservoir to Tippam reservoir	Water conveyor system from SKMS to gravity canal from SKMS to Pkg-14,15 & 16 and parallel gravity canal to Pkgs-17, 18 & 19.
= Discharge - 188 cumecs	= Discharge - Gravity canal - 183 cumecs; Parallel Gravity canal - 328 cumecs.
= Tippam reservoir - 1.0 TMC	= Tippam reservoir - Deleted from scope of work as the proposed reservoir is coming under submergence of SKMS reservoir.
= Ayacut - 53000 acres	= Ayacut - 53000 acres
<u>Package-14:- Rs.659.27 Crores (Agmt val)</u>	<u>Package-14:- Rs.1288.02 Crores.</u>
Water conveyor system incl canals, tunnel, lift system from Tippam Reservoir to Pamulaparthi reservoir	Water conveyor system incl canals, tunnel, lift system from SKMS to Kondapochamma Reservoir
= Discharge - 24.6 cumecs	= Discharge - 73 cumecs
= No. of pumps - 2 x 15.5 MW.	= No. of pumps - 6 x 16 MW.
= Pamulaparthi reservoir - 1.0 TMC capacity.	= Pamulaparthi reservoir - Deleted from scope
= Ayacut - 90000 acres	= Ayacut - 227754 acres
-----	<u>High Level Canals:- Rs. 800 Crores.</u> = For addl ayacut of 1,37,754 acres = It is proposed to call fresh tenders to entrust the work.
-----	<u>Konda Pochamma Reservoir:- Rs. 519.70 Crores.</u> = Formation of Sri Kondapochamma reservoir (Pamulaparthi) (7.0 TMC). = The work is deleted from original scope of work. = It is proposed to call fresh tenders to entrust the work.
<u>Package-15:- Rs.585.98 Crores (Agmt val)</u>	<u>Package-15:- Rs.844.71 Crores</u>
Water conveyor system from Tippam reservoir to Kandukur vagu crossing near Mulkalapally (V).	Water conveyor system from SKMS to Kandukur vagu crossing near Mulkalapally(V)

= Discharge - 44.20 cumecs	= Discharge - 110.88 cumecs
= Ayacut - 55000 acres	= Ayacut - 63300 acres
-----	Gandhamalla Reservoir:- Rs. 860.25 Crores. = Formation of Gandhamalla reservoir (9.86 TMC). = This is a new work. = It is proposed to call fresh tenders to entrust the work.
Package-16:- Rs.1082.98 Crores (Agmt val)	Package-16:- Rs. 1027.08 Crores.
Water conveyor system from Kandukuru vagu crossing Mulkalapally towards Chityal	Water conveyor system from Kandukuru vagu crossing Mulkalapally towards Chityal.
= Discharge - 33.20 cumecs	= Discharge - 69.9 cumecs
= Ayacut - 165500 acres	= Ayacut - 188500 acres
= Baswapur reservoir - 0.8 TMC	= Baswapur reservoir - Deleted from scope
-----	Basawapur Reservoir- Rs. 1751.00 Crores. = Formation of Baswapur reservoir (11.39 TMC). = The work is deleted from original scope of work. = It is proposed to call fresh tenders to entrust the work.
Package-17:- Rs.663.24 Crores (Agmt val)	Package-17:- Rs.1231.45 Crores.
Water conveyor system incl canals & tunnel from Tipparam Reservoir to Gundureddipally	Water conveyor system incl canals & tunnel from SKMS to Gundureddipally
= Discharge - 87.21 cumecs	= Discharge - 328 cumecs
Package-18:- Rs.700.75 crores. (Agmt val)	Package-18:- Rs.742.38 Crores.
Water conveyor system from Gundureddipally to Muhannadabad	Water conveyor system from Gundureddipally to Haldi vagu; drop 247 cumecs of water into Haldi vagu and carry the balance water upto Muhannadabad
= Discharge - 87.21 cumecs	= Discharge - 328 cumecs; = Drop 247 cumecs in to Haldi vagu. = Carry balance 81 cumecs beyond.
= Ayacut - 15000 acres	= Ayacut - 15000 acres
Package-19:- Rs.435.89 crores (Agmt val)	Package-19:- Rs.435.89 Crores.
Water conveyor system from Muhannadabad to Cherial	Water conveyor system from Muhannadabad upto Singur project
= Discharge - 84.21 cumecs	= Discharge - 81.1 cumecs
= ayacut - 25000 acres	= Ayacut - 25000 acres
-----	Package-19:- Rs.1026 Crores. Lift system and addl. ayacut. = No. of pumps - 2 x 19 MW = Addl. Ayacut - 92000 acre
Package-20:-Rs. 897.67 Crores (Agmt val)	Package-20:-Rs. 897.67 Crores (Agmt val)
Water conveyor system from Foreshore of SRSP to Masani	Water conveyor system from Foreshore of SRSP to Masani
= Discharge - 70 cumecs	= Discharge - No change
Package-21:-Rs. 1143.78 Crores (Agmt val)	Package-21:-Rs. 1143.78 Crores (Agmt val)
Water conveyor system from Masani to Manchippa and Kondem cheruvu	Water conveyor system from Masani to Manchippa and Kondem cheruvu
= Discharge - 70 cumecs	= Discharge - No change
= Ayacut - 184000	= Ayacut - No change

<u>Package-22:- Rs.1446.48 Crores</u> <u>(Agmt val)</u>	<u>Package-22:-</u>
Water conveyor system from Kondamcheruvu to irrigate an ayacut of 156000 acres	Lifting of 24 TMC @ the discharge of 66 Cumecs per day from Kondem Cheruvu to Bhumpally reservoir to irrigate the ayacut of 24,000 acres.
<u>Package-27:- Rs.714.00 Crores</u> <u>(Agmt val)</u>	<u>Package-27</u>
Water conveyor system from foreshore of SRSP to irrigate Nirmal constituency = Discharge – 10.2 cumecs = No.of lifts – 3 stages (4 pumps) = Ayacut – 50000 acres	No change
<u>Package-28:- Rs. 486.68 Crores</u> <u>(Agmt val)</u>	<u>Package-28</u>
Water conveyor system from foreshore of SRSP to irrigate Mudhole constituency = Discharge – 10.2 cumecs = No.of lifts – 2 stages (2 pumps) = Ayacut – 50000 acres	No change

1.4 Project Cost Estimate: Rs. 80,499.71 Crores.

1.5 **Status of Works:**

- Total Project were divided in to packages, works are in progress.
- Field investigation works for main canal, reservoirs and distributaries are in progress and works are in progress.
- Land acquisition is in progress.

1.6 **Environmental & Forest Aspects:** Proposal Submitted

1.7 **Total Land required for the Project (Forest & Non - Forest):**

Kaleshwaram project envisages diversion water by constructing a barrage across River Godavari below the confluence of river Pranahitha with river Godavari at Medigadda near Kaleshwaram and constructing two more barrages between Sripada Yellampally Project and Medigadda at Annaram and Sundhilla to convey the water by lift. This project system suitably modified to carry about 2.00 TMC per day and also proposed to increased from 11.43 TMC to 147.71 TMC involving of 20 no's of reservoirs. The net availability of water at proposed barrage is assessed as **282.300 TMC** (as against requirement of 160 TMC) considering ongoing and proposed utilization through project (copy of assessment report enclosed). It is contemplated to irrigate a command area of 18,25,700 acres in 13 districts in Telangana State as shown below.

Sl.No	Name of District	Ayacut (Acres)
1	Karimnagar	800
2	Rajanna (Sircilla)	141205
3	Siddipet	380399
4	Medak	259808
5	Yadadri	232993
6	Nalgonda	29169
7	Nizamabad	180026
8	Jagityal	167800
9	Kamareddy	19500
10	Sangareddy	234000
11	Nirmal	100000
12	Medchal	50000
13	Peddapalli	30000
	TOTAL	1825700

The tentative total land acquisition for the entire project details are shown in Annexure - A table for both forest and Non - Forest along with status of each project viz., conducting ETS & DGPS Survey by I&CADD and its authentication by PCCF, the tentative dates for commencement and completion of work, the details of land requirement etc are as follows. (ETS & DGPS / DGNSS data authenticated by PCCF (HOFF))

Sl. No.	Package No.	District	Forest Division	Forest Area Involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
1	2	3	4	5	6	7	8	9	10
1	Medigadda Barrage & Lift System	Jayashanker Bhupalpally	Mahadevpur	338.4826	311.305	26.08.2016	25.08.2018	-	-
2	Annaram Barrage & Lift System	Peddapalli	Peddapalli	-	293.733	26.08.2016	25.08.2018	-	-
3	Sundilla Barrage & Lift System	Peddapalli	Peddapalli	-	405.354	15.07.2016	14.07.2018	-	-
4	6	Peddapalli	Peddapalli	-	194.059	12.11.2008	30.06.2019	-	-
5	7	Karimnagar	Karimnagar	-	539.471	17.11.2008	30.06.2019	-	-
6	8	Karimnagar	Karimnagar	-	253.941	17.11.2008	30.06.2019	-	-
7	9	Rajanna Sircilla	Karimnagar + Sircilla	329.1385	1881.073	17.11.2008	30.06.2019	Gambhiraopet, Mustabad, Siricilla, Yellareddipeta, Konaraopeta, Vemulawada	86150
8	10	Rajanna Sircilla	Karimnagar + Sircilla	3.969	1367.791	02.12.2008	30.06.2019	Ganneruvaram, Illanthakunta, Bejjanki, Chinnakodur	30000
		Siddipet	Siddipet	112.849					
				14.4112					
9	11	Siddipet	Siddipet	-	1811.78	24.11.2008	30.06.2019	Mustabad, Siricilla, Illanthakunta, Koheda, Chinnakodur, Siddipet(U), Siddipet(R),	110000

Sl. No.	Package No.	District	Forest Division	Forest Area involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
								Nangnoor, Kondapak, Cheriyal, Maddur	
10	12	Siddipet	Siddipet	1327.4528	6457.983	24.11.2008	30.06.2019	Gambhiraopet, Mustabad, Chinnakodur, Siddipet(U), Siddipet(R), Nangnoor, Dubbak, Mirdoddi, Kondapak, Cheriyal, Komaravelli, Maddur	125000
11	13	Siddipet	Siddipet	-	687.967	17.11.2008	31.12.2019	Mirdoddi, Thoguta, Raipole, Doulathabad, Chegunta, Kondapak, Gajwel, Nizampet, Ramayampet	53000

Sl. No.	Package No.	District	Forest Division	Forest Area involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
12	14	Siddipet	Siddipet	4.0553	2552.801	22.04.2009	31.12.2019	Thoguta, Doulathabad, Chegunta, Kondapak, Gajwel, Jagdevpur, Mulugu, Wargal, Tupran, Cheriya, Shankarampet, Shivampet, Yeldurthi, M. Turkapalle, Bommala Ramaram	227754
				54.6484					
		Yadadri Bhongir	Yadadri	8.9967					
13	15	Siddipet	Siddipet	6.8711	3515.105	21.02.2009	31.12.2019	Jagdevpur, M. Turkapalle, Rajapet, Alair, Yadagirigutta	55000
		Yadadri Bhongir	Yadadri	3.7814					
				96.7957					
14	16	Nalgonda &Yadadri Bhongir	Nalgonda &Yadadri	-	3127.415	11.02.2009	31.12.2019	M. Turkapalle, Alair, Yadagirigutta, Atmakur, Bhongir,	188500

Sl. No.	Package No.	District	Forest Division	Forest Area involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
								Bhongir, Bibinagar, Valigonda, Pochampally, Choutuppal, Ramannapet, Chityal, Narketpally	
15	17	Medak & Siddipet	Medak & Siddipet	-	247.668	19.02.2009	31.12.2019		-
16	18	Medak	Medak	194.0711	543.089	25.02.2009	31.12.2019	Yeldurthi, Kowdipally, Kulcharam	15000
17	19	Medak & Sangareddy	Medak	-	449.606	28.02.2009	31.12.2019	Papannapet, Kowdipally, Kulcharam, Alladurg, Tekmal, Regod, Hathnura, Andole, Shankarampet(A), Narayankhed, Kalher	17000
18	20	Nizamabad	-	-	344.80	20.11.2008	31.12.2019	-	-
19	21	Nizamabad	Nizamabad	319.1858	710.2387	20.11.2008	31.12.2019	Metpalli, Armur,	184000

Sl. No.	Package No.	District	Forest Division	Forest Area involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
								Makloor, Balkonda, Bheemgal, Kammar palle, Mortad, Velpur, Nizamabad, Dharpalle, Dichpalle, Jakranpalle, Sirkonda	
20	22	Nizamabad	Nizamabad	4.1809	1254.527	20.11.2008	31.12.2019	Chegunta, Ramayampet, Shankarampet, Nizampet (New), Medak, Yeldurthi, Machareddy, Kamareddy, Domakonda, Bhiknur, Bibipet (new), Ramareddy(new), Rajampet(new), Ramareddy(new), Rajampet(new), Gandhari, Sadashivanagar,	306000

Sl. No.	Package No.	District	Forest Division	Forest Area involved (in ha)	Non Forest Area involved (in ha)	Date of Agreement	Date of Completion	Mandal Covered in ayacut	Ayacut Area
								Tadwai, Nagireddypet, Lingampet, Yellareddy, Varni, Birkur, Banswada	
		Kamareddy	Kamareddy	26.6844					
21	27	Nirmal	Nirmal	322.5574	1011.716	24.02.2009	31.12.2019	Dilwarpur, Laxmanchanda, Mamda, Sarangapur, Nirmal, Kuntala, Bhainsa	50000
22	28	Nirmal	Nirmal	-	415.208	25.02.2009	31.12.2019	Bhainsa, Mudhole, Tanur, Kubeer	50000
		Total		3168.1315	28376.6307				18,25,700

1.8 Proposal for diversion of forest land for Kaleshwaram Project pertaining under F©Act,1980:

Many alternative alignments for water conveyor system are worked out in order to minimize the involvement of forest land. The present proposal is finalized with a minimum total diversion of forest land of about **3168.1315 Ha** out of total land of **31597.9281 Ha** to be acquired for this project which works out to **10.026%**.

As per the provision of the Forest (Conservation) Act, 1980 and the Rules, Guidelines, Circulars issued therein, the user agency who wants to use any forest land for non-forest purpose, the proposals shall be submitted for the **entire project in totality** to the concerned Nodal officer authorized by the State Government i.e., Principal Chief Conservator of Forests, Hyderabad, Telangana. However, as per the provisions contained in Para 2.2 (iii) in guidelines issued under the Forest (Conservation) Act,1980 (amended in F.No.10-125/2013-FC(pt-III), Dt.25.02.2014 in case of Irrigation Projects,

"the proposals seeking prior approval of the Central Government under the Act for the irrigation projects shall be processed in entirety. However, keeping in view of the long gestation period of such projects, User Agency, for valid and cogent reasons, may split such projects in different phases. State government while submitting the proposals to obtain in-principle (stage-I) approval of the Central Government under the Act for diversion of the entire forest land required for the project, may intimate the extent of forest land required and time-schedule for execution of its each phase, and may request the Central Government to consider grant of final (Stage-II) approval under the Act for diversion of forest land required for the project in a phased manner, as may be specified by them.

In such cases at the time of submission of the proposals, scheme for compensatory afforestation for the forest land required for execution of initial phases, consisting of inter-alia the dam, reservoir and main canals from the reservoir, as indicated by the State Government in the proposal, may be insisted upon. The FAC after examination of such proposals, may stipulate time-schedule for transfer and mutation in favor of SFD, of the non-forest land and funds for creation of compensatory afforestation in lieu of the forest land required for execution of remaining phases, so as to ensure that expenditure incurred on the initial phases of the project doesn't become infructuous. Stage-II approval under the act for diversion of forest land required for execution of such phases will be accorded with the approval of FAC"

After working out various alternative Alignments, the diversion of forest land to the minimum requirement is worked out as per the hydraulic parameters and extent of forest land required is as follows:

Package	District	Division	RF name	Compt no.	Area in ha
Medigadda barrage & lift system	Jayashankar - bhupalapally	Mahadevpur	Mahadevpur	248	0.3223
				249	7.9273
				247	18.0393
				248	14.0381
				249	1.5471
				248	1.7826
				247	2.6908
				253	5.8289
				254	1.0050
				252	9.2216
				251	2.8034
				248	2.6331
				249	2.8540
				253	40.7921
				254	2.2408
				252	67.4293
				251	23.7442
				250	18.8204
				248	41.1644
				246	7.3772
				245	16.7510
				249	19.5208
				235	29.9489
	Total				338.4826
9	Rajanna sircilla	Karimnagar + sircilla	Sircilla RF.	175/1	8.6617
				175/2	1.5113
				176/1	5.0342
				176/2	5.8000
				177	3.6995
				178/1	4.7115
				178/2	45.9532
				179/1	52.2055
				179/3	136.1968
				180/1	11.3786
				180/2	18.2248
			Sircilla extension	179/3	35.7614
	Total				329.1385
10	Rajanna - sircilla	Karimnagar + sircilla	Anantharam - iii	429	13.3692
				430	43.4961
			Anantharam - v	433	59.9527
	Siddipet	Siddipet	Allipur	234	14.4112
	Total				131.2292

Package	District	Division	RF name	Compt no.	Area in ha
12	Siddipet	Siddipet	Kistapur	249	70.0620
			Sirsaingandla ext	254	100.5328
			Sirsaingandla	255	59.6371
				257	137.2416
				256	30.2242
				258	77.7737
			Vemulaghat	247	245.7590
				248	89.4317
				246	221.1714
				245	137.4771
			Vemulaghat ext iii	252	17.1790
			Vemulaghat ext iv	253	40.5930
			Vemulaghat ext i	250	36.0821
			Vemulaghat ext ii	251	33.3529
			Yerraipally	244	20.0597
				242	10.8755
			Total		1327.4528
14	Siddipet	Siddipet	Bailampur	278	23.7598
			Narasampalli	279	2.3301
			Narasampalli	281	1.9355
			Thanedarpalli	277	26.6230
			Godugupalli	203	4.0553
	Yadadri - bhonagir	Yadadri	Vasalarmarri	243 & 245	5.2324
			Srinivasapuram	246	3.7643
	Total				67.7004
15	Siddipet	Siddipet	Pirlapalli	269	6.8711
	Yadadri - bhonagir	Yadadri	Veerareddipally	248	96.7957
			Narsapuram	268	3.7814
	Total				107.4482
18	Medak	Medak	Mangalparthy	49,51 & 52	70.1413

Package	District	Division	RF name	Compt no.	Area in ha
			Yeldurthy RF	41,42 & 44	30.1656
			Pillutla RF	315	45.5127
			Hasthlapur - i	45	15.1635
			Manoharabad	46	31.5324
			Kottapet RF	53	1.5556
			Total		194.0711
21	Nizamabad	Nizamabad	Manchippa	158, 157, 150, 151, 149, 140 & 147	318.1238
			Ansanpally	417	1.0620
	Total				319.1858
22	Kamareddy	Banswada	Manichippa	0	0
			Manichippa	463 & 460	26.6844
			Gandhary iv	751	0
			Gandhary iv	753	0
			Manchippa	461	0
			Gandhary iv	752	0
			Gandhary i	766	0
	Nizamabad	Nizamabad	Manichippa	743,144,463	4.1809
	Total				30.8653
27	Nirmal	Nirmal	Chincholi	971,972,973,9 74,975 & 976	63.5139
			Golmadag	1049, 1050, 1051, 1056 & 1057	19.0978
			Jam	1007, 1013, 1024 & 1039	21.8948
			Mamda	938 & 940	19.7041
			Narsapur	1072, 1073, 1075, 1076 & 1077	111.6393

Package	District	Division	RF name	Compt no.	Area in ha
			Parimandal	852, 853, 939, 984, 988, 989, 990, 992, 993, 994, 996 & 1000	61.2299
			Payarmur	1066, 1067, 1068, 1070, 1071 & 1090	25.4776
			Total		322.5574
Grand total					3168.1315

The total requirement of diversions of forest land is of about **3168.1315 Ha** spreading over Eight Divisional forest units and Twenty two Packages. The diversion of forest land proposals as per the F(C) Act, 1980 for each divisional forest unit shall be prepared duly marking the canals, Tunnels, Reservoirs on the relevant forest maps in separate booklets.

a. Mapping of the forest areas proposed for diversion:

The ETS & DGPS/ GNSS Survey for the forest areas proposed for diversion has been carried out and the data was submitted to the Forest Department. The same were authenticated by the Forest Department. The extent of the forest area involved is estimated as per the ETS & DGPS/ GNSS Survey data by ascertaining the entry & exit points of alignment with RF, as furnished in the above table.

The alignment of the water conveyor system is marked on the toposheet of 1:50,000 scale. The alignment is also marked in the field with boundary stones. The actual involvement of forest land and its extent is ascertained after joint field inspection with forest authorities.

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
1	Rajanna Sircilla	90871	Gambhiraopet	24001	9	15500
					12	8501
			Mustabad	12255	9	10000
					11	1971
					12	284
			Siricilla	28540	9	8000
					11	20540
			Yellareddipeta	26075	9	26075

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
	Sub-total	90871		90871		90871
2	Rajanna Sircilla	26575	Konaraopeta	18075	9	18075
			Vemulawada	8500	9	8500
	Sub-total	26575		26575		26575
3	Karimnagar	800	Ganneruvaram	800	10	800
	Rajanna Sircilla	23759	Illanthakunta	23759	10	14000
					11	9759
	Siddipet	15000	Bejjanki	15000	10	15000
	Sub-total	39559		39559		39559
4	Siddipet	2263	Koheda	2263	11	2263
	Sub-total	2263		2263		2263
5	Siddipet	105956	Chinnakodur	29072	10	200
					11	25420
					12	3452
			Siddipet(U)	23751	11	4589
					12	19162
			Siddipet(R)	28833	11	13789
					12	15044
			Nangnoor	24300	11	23621
					12	679
	Sub-total	105956		105956		105956
6	Jagityal	19500	Metpalli	19500	21	19500
	Sub-total	19500		19500		19500
7	Siddipet	110927	Dubbak	42118	12	42118
			Mirdoddi	25493	12	6865
					13	18628
			Thoguta	8747	13	8195
					14	552
			Raipole	787	13	787
	MEDAK	26426	Doulothabad	33782	13	4655
					14	29127
			Chegunta	26426	13	5635
					14	17591
	Sub-total	137353		137353		137353
8	Siddipet	117879	Kondapak	25162	11	269

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
					12	17032
					14	7473
					13	388
			Gajwel	34659	13	5208
					14	29451
			Jagdevpur	29681	14	28810
					15	871
			Mulugu	12288	14	12288
			Wargal	16089	14	16089
	MEDAK	15818	Tupran	15818	14	15818
	Sub-total	133697		133697		133697
9	Siddipet	28374	Cheriyal	16115	11	2461
					12	4922
					14	8732
			Komaravelli	37	12	37
			Maddur	12222	11	5318
					12	6904
	Sub-total	28374		28374		28374
10	MEDAK	101850	Nizampet	8186	13	8186
			Ramayampet	15614	13	1318
					22	14296
			Shankarampet	32057	14	8657
					22	23400
			Papannapet	23389	19	23389
			Nizampet (New)	12304	22	12304
			Medak	10300	22	10300
	Sub-total	101850		101850		101850
11	MEDAK	71625	Shivampet	15986	14	15986
			Yeldurthi	32805	14	17647
					18	9958
					22	5200
			Kowdipally	13618	18	1394
					19	12224
			Kulcharam	9216	18	3648
					19	5568
	Sub-total	71625		71625		71625
12	MEDAK	30317	Alladurg	8827	19	8827

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
	Sangareddy	71565	Tekmal	18921	19	18921
			Regod	2570	19	2570
			Hathnura	7208	19	7208
			Andole	6345	19	6345
			Munipalli	33902	26	33902
			Raikode	24110	26	24110
	Sub-total	101882		101882		101882
13	YADADRI	126167	M. Turkapalle	21580	14	14637
					15	3790
					16	3153
			Bommala Ramaram	4896	14	4896
			Rajapet	35131	15	35131
			Alair	10610	15	4120
					16	6490
			Yadagirigutta	34610	15	11088
					16	23522
			Atmakur	19340	16	19340
	Sub-total	126167		126167		126167
14	YADADRI	74478	Bhongir	20012	16	12012
					16	8000
			Bibinagar	8000	16	8000
			Valigonda	39466	16	39466
			Pochampally	7000	16	7000
	Sub-total	74478		74478		74478
15	YADADRI	6537	Choutuppal	6537	16	6537
	Sub-total	6537		6537		6537
16	YADADRI	25811	Ramannapet	25811	16	25811
	Nalgonda	29169	Chityal	27221	16	27221
			Narketpally	1948	16	1948
	Sub-total	54980		54980		54980
17	MEDAK	13772	Shankarampet(A)	13772	19	13772
	Sangareddy	18177	Narayankhed	12959	19	12959
			Kalher	5218	19	5218
	Sub-total	31949		31949		31949
18	Sangareddy	53640	Kondapur	19349	26	19349
			Sadasivapet	34291	26	34291
	Sub-total	53640		53640		53640
19	Sangareddy	36644	Jharasangam	18303	26	18303
			Kohir	1644	26	1644
			Nyalkal	16697	26	16697
	Sub-total	36644		36644		36644

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
20	Nizamabad	4500	Armur	3100	21	3100
			Makloor	1400	21	1400
	Sub-total	4500		4500		4500
21	Nizamabad	80100	Balkonda	16300	21	16300
			Bheemgal	23300	21	23300
			Kammar palle	11500	21	11500
			Mortad	15000	21	15000
			Velpur	14000	21	14000
	Sub-total	80100		80100		80100
22	Nizamabad	13000	Nizamabad	13000	21	13000
	Sub-total	13000		13000		13000
23	Nizamabad	66900	Dharpalle	11700	21	11700
			Dichpalle	20800	21	20800
			Jakranpalle	9100	21	9100
			Sirkonda	25300	21	25300
	Sub-total	66900		66900		66900
24	Kamareddy	104427	Machareddy	14702	22	14702
			Kamareddy	21300	22	21300
			Domakonda	17700	22	17700
			Bhiknur	21584	22	21584
			Bibipet (new)	12550	22	12550
			Ramareddy(new)	7466	22	7466
			Rajampet(new)	9125	22	9125
	Sub-total	104427		104427		104427
25	Kamareddy	123173	Ramareddy(new)	7698	22	7698
			Rajampet(new)	5027	22	5027
			Gandhari	25000	22	25000
			Sadashivanagar	24534	22	24534
			Tadwai	28014	22	28014
			Nagireddypet	4200	22	4200
			Lingampet	24400	22	24400
			Yellareddy	4300	22	4300
	Sub-total	123173		123173		123173
26	Nizamabad	3300	Varni	3300	22	3300
	Kamareddy	6400	Birkur	1700	22	1700
			Banswada	4700	22	4700
	Sub-total	9700		9700		9700
27	Nirmal	50000	Dilwarpur	10148	27	10148

KALESHWARAM PROJECT DISTRICTWISE MANDALWISE AYACUT PARTICULARS						
SI No	Name of the District	Ayacut in acres	Name of Mandal	Ayacut in acres	Pkg No	Ayacut in acres
			Laxmanchanda	2622	27	2622
			Mamda	6151	27	6151
			Sarangapur	2924	27	2924
			Nirmal	8814	27	8814
			Kuntala	10677	27	10677
			Bhainsa	8664	27	8664
	Sub-total	50000		50000		50000
28	Nirmal	50000	Bhainsa	8000	28	8000
			Mudhole	25000	28	25000
			Tanur	16000	28	16000
			Kubeer	1000	28	1000
	Sub-total	50000		50000		50000
29	Medchal	50000	---	50000	Medchl	50000
	Sub-total	50000		50000		50000
30	Peddapalli	30000	----	30000	Brgs	30000
	Sub-total	30000		30000		30000
	GRAND TOTAL	1825700		1825700		1825700

i. **Forest Land involved in Jayashanker Bhupalpally District – Mahadevpur**

Forest Division:

Medigadda barrage & Lift system: Proposed lift system envisages lifting of 160 TMC @ 2TMC of water per day of water from foreshore of Medigadda barrage near Kannepally(v), Mahadevpur(M), Jayashanker Bhupalpally(Dist) to Annaram barrage. An extent of **338.4826 Ha** of Forest Land is required formation of Construction of Pump house, Pressure main and their allied works, laying of Power Lines, excavation of Gravity canals etc. for Kaleshwaram Project pertaining to Medigadda to Annaram Barrage.

ii. **Forest Land involved in Rajanna Sircilla District – Karimnagar + Sircilla**

Forest Division: The forest land is covered in Packages 9 & 10 and the water conveyor system and storage system passing through notified forests consists of the following components.

Package 9: The Proposed Package system envisages lifting of 11.634 TMC @ discharge of 31.777 Cumecs per day of water from foreshore of Mid Manair Reservoir, Sircilla, Rajanna Sircilla District to Upper Manair Reservoir, Narmala (V), Gambhiraopet (M), Rajanna Sircilla District to irrigate an area of **86,150 Acres** out of which 60,000 Acres of new Ayacut and stabilized ayacut of 26,150 acres. ayacut under Upper Manair and the en-route MI chain link Tanks. Total Ayacut An Extent

329.1385 ha of Forest Land is required formation of Malkapet Reservoir and Construction of Gravity Canal from Km 0.000 to Km 4.949 for Kaleshwaram Project pertaining to Package No.9.Total Ayacut Area **86150** Acres covered in Rajanna Sircilla District.

Package 10:This package-10 envisages design and executive water conveyor system consisting of Approach Channel, lined gravity canal, tunnels from Obulapur to draw a revised head discharge from 241 Cumecs to 321 Cumecs in Package-10 and to irrigate an ayacut of **30,000** acres in four Mandals i.e., Chinnakodur, Bejjanki, Illantakunta & Ganneruvaram of Siddipet & Rajanna Sircilla & Karimnagar Districts And also formation of new Ananthagiri reservoir with a capacity of 3.50 TMC. The project also envisages provisions of drinking water and Industrial requirements. An extent **116.8179 Ha** of Forest is covered under Rajanna Sircilla Division. Total Ayacut Area **30000** Acres covered in Karimnagar, Rajanna Sircilla, Siddipet Districts.

- iii. **Forest Land involved in Siddipet District - Siddipet Forest Division:**The forest land is covered in Packages 10,12(Mallannasagar Reservoir), 14(Konda Pochamma Reservoir) & 15(Gandamalla Reservoir) and the water conveyor system, storage system passing through notified forests consists of the following components.

Package 10: Now In this **14.4112 Ha** of Forest land is covered under **Siddipet Division** Kaleshwaram Project – Package-10, Ananthagiri Reservoir. The Proposed storage capacity is 3.50 TMC. Total Ayacut covered in this package is 30,000 Acres and benefited mandals as follows Ganneruvaram, Illanthakunta, Bejjanki, Chinnakodur.

Package 12(Mallannasagar Reservoir):The Komaravelli Mallanna Sagar with revised storage capacity of 50 TMC with FRL + 557.000 is proposed to meet various water requirements like supplementing water storage for packages beyond Package-12, irrigation requirements for 120days for contemplated ayacutarea **125000** Acres in Karimnagar, Medak, Ranga Reddy and Nalgonda districts, industrial supplies etc.,. LIDAR Surveys by WAPCOS were conducted and the alignment is adopted as per the recommendations by M/s WAPCOS Ltd., and inspections by the departmental officers to accommodate the required increased capacity of 50 TMC. There is submergence of forest land in certain stretches due to formation of Sri Komaravelli Mallanna Sagar Reservoir In total **6992.967 ha** of land required including **1327.4528 ha** of forest land is covered under Siddipet Division. Total Ayacut Area **125000** Acres covered in Rajanna Sircilla, Siddipet Districts.

Package 14(Konda Pochamma Reservoir):This package-14 envisages design and executive water conveyor system consisting of lined gravity canal, tunnels from Kurellivagu to draw a revised head discharge from 24.60 Cumecs to 73.00 Cumecs in Package-14 and to irrigate an ayacut of 90,000 acres in four Mandals i.e. Gajwel, Mulugu, Jagdevpur, Doulatabad Siddipet Dist. also formation of Konda Pochamma reservoir with a capacity of 7 TMC. The proposed ayacut under this reservoir is

1,37,754 Ac. Total Ayacut Area is **227754** Acres covered in Siddipet, Medak, Yadadri Districts. Now In this **58.7037 Ha** of Forest land is covered under Siddipet Division. LMC & RMC Gravity canal are proposed for a length of **53.000KM**.

Package 15 (Gandamalla Reservoir): This package-15 envisages design and executive water conveyor system consisting of lined gravity canal, tunnels from Kurellivagu to draw a revised head discharge from 44.20 Cumecs to 110.88 Cumecs in Package-15 and to irrigate an ayacut of **55000** acres in five Mandals i.e. Jagdevpur, Thurkapally, Rajapet, Alair of Siddipet & Yadadri-Bhongir Dist and in Package-16 an ayacut of 188500 in the mandals of Veligonda, Bhongir, Choutupal, Pochampally, Ramannapeta, Chityal, Yadagirigutta and also formation of new Gandhamalla reservoir with a capacity of 9.86 TMC and enhancement of capacity of Basawapur reservoir from 0.80 TMC to 11.390 TMC. The project also envisages provisions of drinking water and Industrial requirements. Now In this **6.8711 Ha** of Forest land is covered under Siddipet Division. LMC & RMC Gravity canal are proposed for a length of **35.775KM**. Total Ayacut Area **55000** Acres covered in Siddipet, Yadadri Bhongir Districts.

iv. Forest Land involved in Yadadri Bhongir District – Yadadri Forest Division:

The forest land is covered in Packages 14 (Konda Pochamma Reservoir) & 15 (Gandamalla Reservoir) and the water conveyor system, storage system passing through notified forests consists of the following components.

Package 14 (Konda Pochamma Reservoir): This package-14 envisages design and executive water conveyor system consisting of lined gravity canal, tunnels from Kurellivagu to draw a revised head discharge from 24.60 Cumecs to 73.00 Cumecs in Package-14 and to irrigate an ayacut of 90,000 acres in four Mandals i.e. Gajwel, Mulugu, Jagdevpur, Doulatnabad Siddipet District Also formation of Konda Pochamma reservoir with a capacity of 7 TMC. The proposed ayacut under this reservoir is 1,37,754 Ac. Total Ayacut Area in **227754** Acres covered in Siddipet, Medak, Yadadri Districts. Now In this **8.9967Ha** of Forest land is covered under Yadadri Bhongir Division.

Package 15 (Gandamalla Reservoir): This package-15 envisages design and executive water conveyor system consisting of lined gravity canal, tunnels from Kurellivagu to draw a revised head discharge from 44.20 Cumecs to 110.88 Cumecs in Package-15 and to irrigate an ayacut of **55000** acres in five Mandals i.e. Jagdevpur, Thurkapally, Rajapet, Alair of Siddipet & Yadadri-Bhongir Dist. and in Package-16 an ayacut of 188500 in the mandals of Veligonda, Bhongir, Choutupal, Pochampally, Ramannapeta, Chityal, Yadagirigutta and also formation of new Gandhamalla reservoir with a capacity of 9.86 TMC and enhancement of capacity of Basawapur reservoir from 0.80 TMC to 11.390 TMC. The project also envisages provisions of drinking water and Industrial requirements. Now In this **100.5771 Ha** of Forest land is covered under Yadadri Bhongir Division.

- v. **Forest Land involved in Medak District - Medak Forest Division:** The forest land is covered in **Packages 18** and the water conveyor system passing through notified forests consists of km24.120 to 70.000(194.0711 Ha). This Package envisages design and executes water conveyor system consisting of lined gravity canal, tunnels with from Sri KomaravelliMallannaSagar to draw a revised head discharge from 87.21 Cumecs to 328 Cumecs in Package -17 and to drop 246.9 Cumecs of water into Haldi River in Package-18 and irrigate an ayacut of 132000 acres without lift/diversion. Through this package create an Ayacut of **15000** acres in three mandals namely Yeldurthy, Kowdipalli and Kulsaram of Medak District. The project also envisages provisions of drinking water to Hyderabad city and industrial requirements. Now In this **194.0711 Ha** of Forest land is covered under Medak Division. Total Ayacut Area **15000** Acres covered in Medak District.
- vi. **Forest Land involved in Nizamabad District - Nizamabad Forest Division:** The forest land is covered in **Packages 21 & 22** and the water conveyor system, storage system passing through notified forests consists of the following components.
Packages 21: The total 70 Cumecs of water is drawn from foreshore of SRSP through tunnel, lift gravity canal and Pipeline to irrigate an ayacut of **184000** ac in Package 20 & 21 in Nizamabad & Karimnagar Districts and also for formation of new reservoir at Manchippa to accommodate 3.5 TMC of water. As per the tender document, the work under package-21 involves drawl of 25 TMC of water from foreshore of Masani reservoir located near Masani(V), Nizamabad Mandal & District, out of which carrying 8 TMC of water through lined gravity canal with carrying capacity of 22 Cumecs including all CM& CD works and lifting of 17 TMC water dropping in Large Tank near Manchippa village, Nizamabad Mandal & District and feeding Kondam cheruvu Badsa Village, Nizamabad Mandal & District in 120 days by water conveyor system with all associated components such as Approach channel, Gravity lined canal, Tunnels, lifts, delivery main, CM&CD works, distributory system and all other allied works. Now In this **319.1858 Ha** of Forest land is covered under Nizamabad Division. Total Ayacut Area **184000** Acres covered in Jagityal, Nizamabad Districts.
Packages 22: The Proposed Package system envisages lifting of 24 TMC @ the discharge of 66 Cumecs per day from Kondem Cheruvu to Bhumpally reservoir. The total ayacut area **240000** Acres Medak, Kamareddy, Nizamabad Districts. Now In this **4.1809 Ha** of Forest land is covered under Nizamabad Division.
- vii. **Forest Land involved in Kamareddy District - Banswada Forest Division:** The forest land is covered in **Packages 22** and the water conveyor system, storage system passing through notified forests consists of (**26.6844 Ha**). The total 24 TMC

water lifting from Kondem Cheruvu to Bhumpally Reservoir in Kamareddy, Yellareddy, Bansuwada, Medak, Dubbaka & Narsapur Constancies. The total ayacut area **240000** Acres Medak, Kamareddy, Nizamabad Districts, Now In this **26.6844 Ha** of Forest land is covered under BanswadaDivision. Total Ayacut Area **240000** Acres covered in Medak, Kamareddy, Nizamabad Districts.

- viii. **Forest Land involved in Nirmal District - Nirmal Forest Division:** The forest land is covered in **Packages 27:** and the water conveyor system passing through notified forests consists of **322.5574 Ha**. The Forest Land is required for the Excavation of water conveyor system, to lift water with carrying capacity of 7.36 Cumecs from SRSP foreshore of Dilawarpur Mandal shivar Nirmal District to irrigate an ayacut of 37000 Acres and proposed to lift water from Saraswathi Canal near Venkatapur (V), Nirmal(M), with carrying capacity of 2.84 Cumecs to irrigate 13,000 acres totally to **50,000** Acres in Dilawarpur, Sarangapur, Kunthala, Laxmanchanda, Nirmal & Mamda Mandals in Nirmal District including execution of approach channel, lined Distributory network, all CM & CD works and all associated works. The propose Lift Irrigation Scheme envisages lifting of 3.2 TMC of water @ 0.035 TMC / day of water from foreshore of SRSP to irrigate ayacut of 50,000 ac in Dilawarpur and Mamda Mandals. Now In this **322.5574 Ha** of Forest land is covered under NirmalDivision. Total Ayacut Area **50000** Acres covered in Nirmal District.

b. **Details of non-forest CA lands:**

The details of the non-forest CA lands for an area of **2218.785 Ha** identified and ETS & DGPS/ GNSS Survey conducted by I&CADD and same authenticated by forest department. For balance CA lands survey is under progress. The details will be submitted within 15 days.

List of CA lands identified and ETS/DGPS/DGNSS Data authenticated by PCCF

S.No	District	Division	Old Mandal	New Mandal	Village	Survey No	Area in ha		Remarks
							Surveyed by UA	Accepted by FD	
1	Warangal (urban)	Warangal (urban)	BheemadeveraPally	Bheemadeverapally	Mulukanoor/ Mutharam	197/124	50.443	50.443	ETS & DGPS/ DGNSS is Authentic ated by PCCF
2	Siddipeta	Siddipeta	Koheda	Koheda	Shanigaram (Bit – 2)	1348	20.978	20.978	
3	Sircilla	Karimnagar-Sircilla	Sircilla	Yellareddypeta	Bonala - 1	164	49.223	49.223	
					Bonala - 2	164	24.293	24.293	
					Bonala - 3	164	101.948	101.948	
					Bonala - 4	164	26.235	26.235	
				Thangalapalle	Obulapur (Mandapally)	237	32.430	32.430	
					Kasbakatkur	172 & 182	357.204	357.204	
					Venugopalapuram	69 & 76			
					Gandilachipet	82			
4			Musthabad	EllanthaKunta	Potangul	630 & 631			
5			Ellanthakunta		Dacharm	433	109.600	109.600	
					Sirikonda	125			
					Lingapur	481			

S.No	District	Division	Old Mandal	New Mandal	Village	Survey No	Area in ha		Remarks		
							Surveyed by UA	Accepted by FD			
6			Chendurthy	Rudrangi	Rudrangi	428	47.936	47.936	ETS & DGPS/ DGNSS is Authentic ated by PCCF		
				Chandurthy	Thimmapur	137 & 145					
					Mudapally	127					
Vemulawada			Nukalamarri		171						
			Thimmapur Bit -1			83.451	83.451				
			Thimmapur Bit -3			22.442	22.442				
			Thimmapur Bit -4			25.419	25.419				
					Total	951.602	951.602				
				Phase - I		Or	950.000				
8	Sircilla Rajanna	Sircilla Rajanna	Boinpally	Boinpally	Ananthapally	64/1	53.808	53.808	ETS & DGPS/ DGNSS is Authentic ated by PCCF		
9					Malkapur	326	44.549	44.549			
10	Jagtiyal	Jagtiyal	Kodimial	Kodimial	Thippaipally	247/1	68.774	68.774			
11					Nallagonda	27/2	26.042	26.042			
12	Siricilla Rajanna	Siricilla Rajanna	Siricilla	Musthabad + Thangallapalle	Sarampally	338/1	101.186	101.186			
13					Obulapur	368/1	82.578	82.578			
14					Musthabad	Thangallapalle	Therlamaddhi	175/1		72.100	72.100
								169/1		5.815	5.815

S.No	District	Division	Old Mandal	New Mandal	Village	Survey No	Area in ha		Remarks
							Surveyed by UA	Accepted by FD	
15	Jagtiyal	Jagtiyal	Velgatur	Velgatur	Gullakota	593	31.671	31.671	ETS & DGPS/ DGNSS is Authenticated by PCCF
16					Yendapally	591	65.994	65.994	
17					Kondapur	512	21.218	21.218	
						153	61.497	61.497	
18					Kothapeta	70	39.531	39.531	
19					Godiselapeta	209	13.861	13.861	
20					Suraram	119	43.298	43.298	
21					Godiselapeta	92	40.020	40.020	
22						97	78.114	78.114	
23	Warangal Urban	Warangal Urban	Bheemadevarapally	Bheema devarapally	Gatlanarsingapur	340	12.278	12.278	
						353	75.042	75.042	
						355	40.012	40.012	
24	Siddipet	Siddipet	Husnabad	Husnabad	Mirzapur	171	9.377	9.377	
25					Keshavapur	154	21.080	21.080	
26			Koheda	Koheda	Shanigaram	1348	31.590	31.590	
27	Peddapalle	Peddapalle	Dharmaram	Dharmaram	Dongathurthy	61	34.270	34.270	
28						294	69.190	69.190	

S.No	District	Division	Old Mandal	New Mandal	Village	Survey No	Area in ha		Remarks
							Surveyed by UA	Accepted by FD	
29			Julapally	Julapally	Kummarikunta	225	58.090	58.090	
30			Velagtoor	Palakurthy	Shanabanda	48	10.900	10.900	
31					Maredupally	309	41.700	41.700	
					Sub Total Phase - II		1268.785	1268.785	
Grand Total							2220.387	2220.387	

- c. This Project proposal **doesn't involve any places of historical, religious, archaeological, recreational importance.**
- d. **Booklets:** The total requirement of diversion of forest land is of about 3168.1315 Hectares spread over 8 division's forest unit. The diversion of forest land proposals as per the Forest Conservation Act F©Act, 1980.
- e. The diversion of forest land shall not be used for any other purpose other than specified in the proposal i.e., for the purpose of Kaleshwaram Project.
- f. **The required check slips as per Forest (Conservation) Act, 1980 are furnished as follows:**
 - i. Annexure – I along with Part-I,II,III,IV and V in F©Act,1980 format.
 - ii. Undertaking for depositing funds towards raising & maintenance of Compensatory afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.)
 - iii. Undertaking for depositing funds towards payment of Net Present Value (NPV) and Additional NPV.
 - iv. Undertaking for depositing funds towards payment of extraction of tree growth.
 - v. Certificate of Area Minimum.
 - vi. Detailed statement requirement of forest land.
 - vii. Map in SI sheet showing the forest land.
 - viii. ETS & DGPS/GNSS survey data and maps for forest land proposed for diversion as well as CA land.
 - ix. Certificate for non-violation of Forest (Conservation) Act, 1980.
 - x. Proforma Site inspection certificate to be given by Divisional Forest Officer
 - xi. Proforma Certificate for not affecting historical, religious, archaeological, recreational importance including wildlife sanctuary and National Park to be given by Divisional Forest Officer.
 - xii. Proforma Certificate of proposed compensatory afforestation land in a compact block and is located in close proximity under Section-IV of AP Forest Act, 1967 and also site suitability certificate for raising the CA to be given by Divisional Forest Officer.
 - xiii. Proforma Certificate for non-violation of Forest (Conservation) Act, 1980 to be given by Divisional Forest Officer
 - xiv. Proforma Certificate for soil suitability for compensatory afforestation to be given by Divisional Forest Officer
 - xv. Proforma Certificate that the non-forest land has not been proposed in any other project of this department for compensatory afforestation in lieu of Reserved Forest area which is diverted in the proposals to be given by M.R.O.
 - xvi. Proforma Certificate of proposal for quantifying the extent of land with all particulars free from any en-conference, encroachment and cultivation to be given by M.R.O.


- xvii. Proforma Undertaking to be given by the District Collectors "that the non-forest CA lands identified will be transferred and mutated in favor of the Forest Department upon receipt of the Stage-I approval" along with non-encumbrance certificate.




Dy. Executive Engineer
I&CADD




Executive Engineer
I&CADD




Superintending Engineer
I&CADD



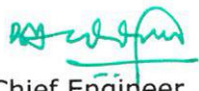
Chief Engineer
Kaleshwaram Project,
LMD Colony, Karimnagar.



Commissioner
P & D of Godavari Basin,
Jalasoudha, Hyderabad.



Administrator - cum -Chief
Engineer Sriramasagar
Project, Camp Office, Jalasoudha,
Hyderabad.



Chief Engineer
Kaleshwaram Project,
Jalasoudha, Hyderabad.