



ABSTRACT

Forests – Tamil Nadu Innovation Initiatives Scheme – Maximizing the ground water recharge in the Vanagaram Reserve Forest of Ariyalur Forest Division for three years at a total cost of Rs.15.00 lakhs under State Innovation Fund – Amount of Rs.10 lakhs – Sanction – Orders Issued.

ENVIRONMENT AND FORESTS (FR.7) DEPARTMENT

G.O.(D) No:39

Dated :22.02.2017

சூன்முகி, மாசி - 10

திருவள்ளூர் ஆண்டு - 2048.

Read:

- Copy
of
order
required
order (Pnts)*
1. From the Principal Chief Conservator of Forests letter No:J1/26887/2016, dated:11.08.2016.
 2. From the Member Secretary, State Planning Commission letter Ref.No.1760/PC/SPC/2016-2, dated: 20.12.2016.

ORDER:

The Principal Chief Conservator of Forests has stated that artificial recharge to ground water is defined as the recharge that occurs when the natural pattern of recharge is deliberately modified to increase recharge. Artificial recharge aims at augmenting the natural replenishment of ground water. It is useful for reducing overdraft, conserving surface run-off, and increasing available ground water supplies. He has further stated that water flow below the land surface takes place due to the process of infiltration. By this method of artificial recharge of ground water the quality and quantity of ground water will be improved. The hardness due to dissolved calcium will be diluted in the long run and the ground water will be fit for agricultural and drinking water purpose and the precious water will be saved and water shortage will be reduced even in summer season.

2. The Principal Chief Conservator of Forests has also highlighted that due to artificial recharge, water storage is maximized; Water quality improvement through dilution; saline-water intrusion & land subsidence is prevented; Biological purity is very high. No adverse social impacts such as displacement of population, loss of scarce agricultural land etc, are expected. This work is environment friendly and provides sufficient soil moisture even during summer season, the water stored underground is relatively immune to natural and man-made catastrophes, and the local village population in and around the Reserve Forest area will be benefitted.

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3. The Principal Chief Conservator of Forests has therefore requested to sanction a sum of Rs.15.00 lakh (Rupees fifteen lakh only) for maximising the ground water recharge in the vangaram Reserve Forest of Ariyalur Forest Division for three years from 2016-17 to 2018-19 under State Innovation Fund.

4. The State Planning Commission has recommended the above proposal in the letter second read above.

5. The Government after careful consideration accept the proposal of the Principal Chief Conservator of Forests, accord administrative sanction for a sum of Rs.15.00 lakh (Rupees fifteen lakh only) for the period of three years from 2016-2017 to 2018-2019, and sanction a sum of Rs.10.00 lakh (Rupees Ten lakh only) towards maximizing the ground water recharge in the Vanagaram Reserve Forest of Ariyalur Forest Division during the year 2016-2017 under State Innovation Fund as detailed below:-

Sl No.	Name of the Scheme	Cost of the project			
		1 st year (2016-17)	2 nd year (2017-18)	3 rd year (2018-19)	Total
(Rs.in lakhs)					
1.	Maximizing the ground water recharge in the Vanagaram RF of Ariyalur Forest Division	10.00	2.50	2.50	15.00

The break up details and components for three year period is annexed to this order as annexure I, II, III and IV.

6. (i). The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

"4406 CAPITAL OUTLAY ON FORESTRY AND WILD LIFE -01.
Forestry - 101 Forest Conservation, Development and Regeneration -
SCHEMES IN THE TWELFTH FIVE YEAR PLAN - II. State Plan - JH.
Maximizing ground water recharge in Vanagaram Reserve Forest -
Scheme under State Innovation Fund -16 Major Works.

(DPC - 4406 01 101 JH 1601)"

(ii) The expenditure shall be met from the State Innovation Fund by deducting under the following head of account:-

"4406 CAPITAL OUTLAY ON FORESTRY AND WILD LIFE - 01.
Forestry - 902 Deduct - amount met from Reserve Fund - SCHEMES

..3..

..3..

IN THE TWELFTH FIVE YEAR PLAN – II. State Plan – JA Deduct – Amount met from State Innovation Fund – 30 Inter – Account Transfers.

(DPC – 4406 01 902 JA 3007)”

And Contra – debiting the following fund account:-

“J – Reserve Fund – (b) Reserve funds not bearing interest – 8229 – 00 – Development Welfare Funds – 200. Other Development and Welfare Funds – BE State Innovation Fund.

(DPC – 8229 00 200 BE 0006) (Outgo)”

7. Necessary funds are provided in the supplementary Estimates 2016 – 17.

8. The Principal Chief Conservator of Forests is authorized to draw and disburse the amount sanctioned in para-5 above. He is also requested to ensure that the amount sanctioned therein is utilized in full and to send the utilization certificate as soon as the work is completed.

9. This order issues with the concurrence of the Finance Department vide its U.O.No.6815/AHD&F/17-1, dated:20.02.2017.

(BY ORDER OF THE GOVERNOR).

ATULYA MISRA
PRINCIPAL SECRETARY TO GOVERNMENT

To

✓ The Principal Chief Conservator of Forests (HoFF), Chennai-15
The Pay and Accounts Officer (South), Chennai-35
The Principal Accountant General, Chennai – 18.
The Accountant General -I/II, 361, Anna Salai, Chennai-18
The Resident Audit Officer, Chennai – 9.

Copy to:

The Finance (AHD&F)/ (BG-II) Department, Chennai-9
SF/SC.

//FORWARDED BY ORDER//

u/amis
24/2/17

SECTION OFFICER

CP
24/2/17

E&F (FR.7)Department.,

Annexures to G.O.(D) No.39- Environment and Forests (FR.7) Department,
dated:22.02.2017

Annexure – I

Breakup Details for the work in the Vangaram Reserve Forest of Ariyalur division for the maximizing ground water recharge during first year

Sl.No	Description of work	Unit	Cost / per unit	Amount in Rs
1	Earth work excavation for forming catch water trenches around the Borewell	M ³	2000	2000
2	Drilling Borewells upto 30m depth	M	18000	18000
3	Reaming works	RM	6150	6150
4	cost and supply of PVC pipes	RM	2000	2000
5	Charges for developing Borewells with air compressor	Hr	1000	1000
6	Cost and Purchase of 400mm HBS metal for filling around the slotted pipes	M ³	3000	3000
7	Cost of Borewell cap	No	400	400
8	Contingencies such as purchase of sand charcoal, sponge etc.,	LS	783	783
Total				33333

For Thirty such above units, total cost is Rs. Ten Lakhs

Annexure – II

Breakup Details for the work in the Vangaram Reserve Forest of Ariyalur division for the maximizing ground water recharge during 1st year

Sl.No	Quantity	Name of the work	Rate	Per / Unit	Amount in Rs
1	12 M ³	Earth work black cotton soil... etc., as per PWD item	64.68	M ³	776
2	2 No/58 RM	Drilling pilot Bore 6' dia(150mm) upto 30m. Each no (29mm)	822.47	RM	47703

3	58 RM	Enlarging pilot bore	205.92	RM	11943
4	2 No/ 12 RM	Inserting slotted PVC pipe 160mm (each 6 m)	185.40	RM	2225
5	2 No/46 RM	Inserting casting pipe 160mm	185.40	RM	8528
6	12 RM	Cost of PVC slotted bore pipe 160mm	509	RM	6108
7	46 RM	Cost of PVC casting pipe 160mm	445	RM	20470
8	2 Nos	Cost and supply of end cape of 160mm bore pipe	127	Each	254
9	0.64 m ³	Filling broken jelly 40mm including all charges	654.73	M ³	419
10	12 Kg	Filling with charcoal in to the pipe including all charges	30	Kg	360
11	0.071 M ³	Filling sand	245.13	M ³	17
12	2 No/2 Hr	Charges for developing Borewells with air compressor	1101.10	Hr	2202
13	LS	Contingencies	LS		1995
Total					103000

Annexure – III

Maintenance work during second year for the maximizing ground water recharge in Vangaram Reserve Forest of Ariyalur Division.

Sl.No	Description of work	Unit	cost / per unit	Amount in Rs
1	Desilting of trenches periodically	M ³	4000	4000
1	Cost for replacement of top sand, sponge and charcoal for effective infiltration twice in a year	LS	4333	4333
Total				8333

For Maintenance work in thirty units cost of rupees 2,50,000/- (Two lakhs fifty thousand only)

Annexure – IV

Maintenance work during third year for the maximizing ground water recharge in Vangaram Reserve Forest of Ariyalur Division.

Sl.No	Description of work	Unit	cost / per unit	Amount in Rs
1	Desilting of trenches periodically	M ³	4000	4000
1	Cost for replacement of top sand, sponge and charcoal for effective infiltration twice in a year	LS	4333	4333
Total				8333

For Maintenance work in thirty units cost of rupees 2,50,000/- (Two lakhs fifty thousand only)

ATULYA MISRA
PRINCIPAL SECRETARY TO GOVERNMENT

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24/2/17

Section Officer

CP
24/2/17