

Dona Shahab

Scheme for implementing drip, sprinkler, micro irrigation system in the state

Government of Gujarat
Narmada, Water Resources, Water Supply and Kalpsar Department
Resolution No: PRCH-102005-497-N
Sachivalaya, Gandhinagar
Dated 09-05-2005

Read:

1. Agriculture & Co-Operation Department resolution No. PYT-10-2000-1688-K5 Dtd. 21-11-2000
2. Agriculture & Co-Operation Department resolution No. PYT/552001-1161-K5 Dtd. 12-12-2001
3. Agriculture & Co-Operation Department resolution No. PYT-552001-1161-K5 Dtd. 16-2-2002
4. Agriculture & Co-Operation Department resolution No. SKV-2001-1531-K5 Dtd. 01-11-2002
5. Agriculture & Co-Operation Department resolution No. PYT-552001-2914-K5 Dtd. 09-04-2002, 27-08-2002, 16-12-2002 & 15-02-2003
6. Agriculture & Co-Operation Department resolution No. PYT-3302-4288-K5 Dtd. 02-04-2003
7. Energy & Petrochemical Department No. GEB-1003-861-K Dtd. 27-08-2003
8. Agriculture & Co-Operation Department resolution No. PYT-552003-317-K5 Dtd. 24-11-2003
9. Agriculture & Co-Operation Department resolution No. PYT-3302-4288-K5 Dtd. 12-01-2004
10. Agriculture & Co-Operation Department resolution No. PYT-102003-3089-K5 Dtd. 16-04-2004
11. Agriculture & Co-Operation Department resolution No. HRT-1003-2376-K8 Dtd. 01-06-2004
12. Agriculture & Co-Operation Department resolution No. AEP-102-2-2581-K7 Dtd. 01-10-2004
13. N,WR,WS, & K Deptt's GR of even No. Dtd. 28-03-2005

Preamble:

There is limited area receiving irrigation in the state of Gujarat. In order to inspire the farmers of the state to maximize agriculture production at minimum cost and to increase their income by adopting scientific management of water and to bring in revolutionary transformation of the agriculture scenario, the state Government has embarked upon JalSanchay Abhiyan (Drive for Storage of water). Various departments of the state are implementing schemes of modern micro irrigation systems like Drip/ Sprinkler so that water available from various sources of the states may be used economically and efficiently. At present these works are mostly being executed through Agriculture and horticulture offices under various schemes of the state as well as central Government. Gujarat Electricity Board has with aid from Asian Development Bank also implemented a scheme of providing assistance

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to the farmers for setting up drip and sprinkler irrigation systems vide Govt. Resolution mentioned at reference (7) above, with an intention of saving energy in the districts selected under the scheme of state Govt.

Recently Gujarat State Fertilizer Company Ltd. has taken up on experimental basis a scheme to orient towards drip and sprinkler irrigation systems the farmers receiving water from Govt. tube-wells in three talukas of the state namely Mehsana, Padra and Palanpur. It is experienced that farmers are getting confused due to the fact that procedure for granting assistance, norms for assistance, terms and conditions etc. vary from scheme to scheme. As a result some administrative difficulties are experienced in implementing these schemes. It was therefore under consideration of the government for sometime to put into implementation an integrated scheme such that provisions under various schemes are uniform removing all the inequalities and anomalies and that available funds are utilized efficiently and benefit is extended to more and more farmers of the states. In view of this, detailed instructions were issued for implementation of integrated scheme for micro irrigation vide this department GR mentioned at Sr. No.13 as a first step. Based on subsequent representations received, it was felt necessary to carry out certain modifications / amendments which are now duly incorporated in the present GR which is issued afresh.

RESOLUTION

After careful consideration it is hereby resolved to implement an integrated scheme having estimated cost of Rs. 1500 crores for providing assistance to the farmers of the states for adopting micro irrigation / drip / sprinkler / rain guns / porous pipes.

- 1) Narmada Water Resources, Water Supply and Kalpsar Department shall be the nodal department for implementation of the scheme of micro irrigation / drip / sprinklers / rain guns / porous pipes.
- 2) In order to ensure smooth and uniform implementation of the scheme, the state govt. has established Gujarat Green Revolution Company Limited, Fertilizernagar Township. P.O. Fertilizernagar-3910750 Dist. Vadodara (presently known as Gujarat Agro Processing Co. Limited) which will implement this scheme
- 3) On the day this resolution comes in to force, all the schemes related to drip and sprinkler irrigation in the state cease to be under operation and all the orders issued by various

departments of the Govt. in that regard stand cancelled with effect from 1/4/2005. The respective departments/ corporations / Boards / Heads of Offices shall complete the procedure in all earlier cases as per the original approval orders.

- 3.1) The Schemes under which assistance can be availed from the Central Govt. shall be continued. The amount received under such schemes shall be included under the Government's contribution within the limit prescribed hereinafter in this resolution. Gujarat Green Revolution Company shall do the needful in this regards in consultation with Director of Agriculture of the State. The Agriculture Dept. would co-ordinate with Gujarat Green Resolution co. after completing necessary procedure with the Ministry of Agriculture, Govt. of India.
- 4) All applications related to drip and sprinkler irrigation systems received and approved by the field officers during the financial year 2004-05 under various schemes being implemented by various departments, but for which payment for Govt. contribution is pending would be transferred to Gujarat Green Resolution Co. Ltd. at an appropriate time and the said Company would make payment after scrutiny of such cases in accordance with the provisions of this GR.
- 5) Any farmer either individually or by forming group would be eligible to obtain Govt. contribution under this scheme for any crop, under any source of irrigation for any area situated in all the districts however preference shall be given to water scarce areas.
- 6) Cost per hectare for laying sets for micro irrigation / drip / sprinkler / rain guns / porous pipes would be different as distance for planting different crops under agriculture and horticulture is different. Keeping this in view Gujarat Green Resolution Co. Ltd shall prepare in consultation with experts a ready reckoner (Jantri) for unit cost. This unit cost would include the cost towards agriculture related services, administrative expenditure, repairing of instruments, insurance etc. Gujarat Green Resolution Co. Ltd would make complete payment to MIS agencies through bank on behalf of loanee farmers for the providing system/set and services.

Gujarat Green Resolution Co. Ltd would also make complete payment to the MIS agencies for providing system and

services to those farmers who would not have taken loan from the bank. Farmers will not be required to make payment to anyone other than Gujarat Green Resolution Co. Ltd

- 7) Farmers willing to take advantage of this scheme shall be required to make application individually or in Group in the form prescribed by the Company. After examining the application technically as well as physically the Company would make arrangements for laying the set on the field along with water meter.
- 8) At present following agencies are approved.
 - 1) Jain Irrigation system, Jalgoan
 - 2) Premier Irrigation Equipment co., Kolkatta
 - 3) Netafin Irrigation India Ltd. Vadodara.
 - 4) Plastro Plason Indian Ltd. Puna
 - 5) Parikshit Industries, Ahmedabad
 - 6) EPC Industries Ltd. Nasik
 - 7) Nagarjuna palm India Ltd. Hyderabad.
- 8.1 The Company shall allocate relevant work area to above-mentioned reputed agencies providing instruments for MIS so that the farmer can have adequate choice.
- 8.2 Gujarat Green Resolution Co. Ltd would get the survey carried out through above agencies after examining the individual or group applications from the farmers and thereafter these agencies would start laying MIS set on farm. Gujarat Green Resolution Co. Ltd shall decide the jurisdiction of these agencies. Agencies other than those mentioned above shall also be selected in future based on their capability, production capacity, experience, quality etc.
- 8.3 Gujarat Green Resolution Co. Ltd shall provide additional services like MIS management, analysis of soil and water etc. and would charge appropriately. Moreover the Company shall also provide at cost agriculture inputs like seeds, bio-fertilizer, anti-fungus medicines, manure of micro elements, gypsum etc. as per the demand for the farmers.
- 9) The Govt. shall reimburse Gujarat Green Resolution Co. Ltd the difference between income and reasonable expenditure; the criteria for reimbursement would be decided hereafter.

- 10) The pilot project entrusted to the Gujarat State Fertilizer Company by the Govt., which is under implementation in Padra, Mehsana and Palanpur talukas shall stand included under the ambit of present GR.
- 11.1) The farmers shall be required to deposit in advance as primary share, 5% of the total MIS cost, which may be decided by Gujarat Green Resolution Co. Ltd.
- 11.2) Criteria for state Government's contribution (read as "contribution" hereafter) shall be as under:-
- a) The farmers of the state getting benefit under this scheme can avail of contribution within the limit of 50 % of the total MIS cost or Rs.50, 000 per hectare whichever is less and the said contribution shall be placed at the disposal of Gujarat Green Resolution Co. Ltd. by the Govt. This amount shall be deposited by the Company directly with the bank.
 - b) A farmer not desirous of availing of loan shall also be eligible for contribution amounting to 50% to MIS cost or Rs. 50, 000/- whichever is less and remaining 45% amount shall be required to be deposited at a time by him in advance with the Company.
- 11.3) In the event of the cost of the scheme exceeding the limit of contribution such excess amount as may be decided by Gujarat Green Resolution Co. Ltd shall be required to be paid by the loany farmer at the time of entering into a tripartite agreement (between GGRCL – farmer – MIS Supplier) Those farmers who do want to avail of the loan shall be required to pay to Gujarat Green Resolution Co. Ltd the amount exceeding contribution at the time of entering into tripartite agreement.
- 11.4) Gujarat Green Resolution Co. Ltd shall incur all the expenditure for laying the sets. 50% of this amount shall be paid by the Government as contribution. The Company shall retain the amount of contribution over and above the amount of 5% paid by the farmers totaling to 55% of the cost.
- 11.5) Remaining 45% amount would be made available to the loany farmers through Nationalized /Co-Operative Banks at the long-term interest rate of NABARD. Gujarat Green Resolution Co. Ltd would issue detailed guidelines in this respect if found necessary.

- 11.6) The Company shall deposit the amount of contribution to the bank after sanctioning the application (form no.2) made by the farmers seeking loan and the bank shall pay the payable amount i.e. amount of contribution + loan) to the MIS supplier in the prescribed time limit on the basis of sanction and instruction given by the Company. In case of farmers not desirous of availing of loan the Company shall sanction the application (Form No.2) for the contribution and pay the admissible amount i.e. Contribution and advance amount to MIS supplier.
- 11.7) Loanee farmer shall be required to pay back the loan to the bank in predetermined installments. Default in loan repayment would attract penal interest, which the loanee shall be required to pay to the bank after expiry of the prescribed time-limit. The terms, conditions and the procedure for implementation of this scheme are spelt out in Statement A enclosed. Tenure of the loan for loanee farmers shall be decided by the Gujarat Green Revolution Company and bank depending upon cropping pattern adopted.
- 11.8) MIS supplier shall decide the design as per instructions of the Company in consultation with the farmers after carrying out field survey of source of water, cropping pattern, land etc. He shall also suggest various options for MIS instruments and shall finalise MIS system based on farmer's consent and requirement and will obtain written consent regarding payment of total cost from the farmer. Above details shall be included in the tri-partite agreement based on which Gujarat Green Revolution Company shall arrange for loan and contribution.
- 11.9) If any farmer desires to avail of additional facilities and instruments with specific quality, he shall be free to do so in consultation with MIS suppliers, however additional cost arising out of the same shall be required to be born by the farmer and this additional amount shall not be eligible for loan or contribution.
- 12.0 With a view to publicising widely modern technique like drip, Government has introduced the present scheme on tube wells under the control of the Government and also with the agencies authorized by the Government. All the beneficiaries of such tube-wells would be able to irrigate only by adopting drip/Sprinklers/rain guns/porous pipes compulsorily.
- 13.0 Installation of water meter for taking measurement of water would be compulsory at the source from which water is being drawn.
- 14.0 With the objective of simplifying the execution of the project, Gujarat Green Revolution Company is vested with the rights to make any change during implementation of micro irrigation

project, addition to or reduction in the list of approved MIS suppliers, decision regarding cost for MIS and other related issues.

- 15.0 Details regarding budget heads being operated by various departments for implementation of drip and sprinkler schemes are as under.:

Agriculture and Cooperation Department

Budget head	:	(ADR—State Plan)
Demand No	:	2
Major Head	:	2401-Crop husbandry
Minor head	:	104-Agriculture Farm
Sub Head	:	(10) Integrated farming under Agro-Vision 2010
Detailed head	:	(33) Assistance (G) others. Plan
Budget head	:	AGR-5-Cotton Centrally sponsored-75:25)
Demand No	:	2
Major Head	:	2401-Crop husbandry
Minor head	:	108-Commercial Crop
Sub Head	:	(2) AGR-5-Intensive Cotton production programme
Budget head	:	AGR-6-ISOPOM-Centrally sponsored-75:25)
Demand No	:	2
Major Head	:	2401-Crop husbandry
Minor head	:	114-Oilseeds Development
Sub Head	:	(1) AGR-6-Oilseeds production programme.
Budget head	:	AGR-9-Work plan-Centrally sponsored-90:10)
Demand No	:	2
Major Head	:	2401-Crop husbandry
Minor head	:	800
Sub Head	:	11
Budget head	:	(AGR-14-TASP-State Plan)
Demand No	:	96
Major Head	:	2401-Crop husbandry
Minor head	:	796
Budget head	:	(AGR-16-S.C.P.-State Plan)
Demand No	:	94
Major Head	:	2401-Crop husbandry

Budget head : AGR-27-Work plan-Centrally sponsored-90:10)
Demand No : 2
Major Head : 2401-Crop husbandry
Minor head : 119-Vegetable Crop
Sub Head : 11 Intensive Development Scheme for Vegetables AGR 27

Energy & Petrochemical Department

Budget head : 12 (Plan)
Demand No : 2801 (Power)
Major Head : 80- General
Minor head : 800-Other Expenditure
Sub Head : (19) Provision has been made for drip Scheme under subsidy to Gujarat Electricity Board under Drip Irrigation Scheme

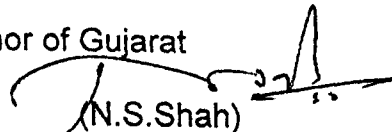
Narmada water resources, Water supply and Kalpsar department

Demand No : 66
Major Head : 4702 Capital outlay Major Irrigation
Sub major head : 02- Minor Irrigation
Minor head : 199- Sujalam Sufalam Scheme
Sub Head : (T) Works for prevention of salinity ingress and tide erosion
(4) Drip Sprinkler Irrigation

Narmada, Water resources, Water supply & Kalpsar department shall be the nodal department for implementation of micro irrigation /Drip/ Sprinkler/rain guns/porous pipes. The budget heads of the other departments (except in respect of schemes to which provisions under para 3.1 above are applicable) shall be operated by the nodal department till such time new budget head is not allotted.

This scheme comes in to force with effect from 01/04/2005
This issues with concurrence of Agriculture & Cooperation Department, Energy & Petrochemical Department and Finance Department received on file of this department bearing even number.

By order and in the name of Governor of Gujarat


(N.S. Shah)

Under Secretary,
Narmada, Water resources, Water supply and
Kalpsar Department

Copy for information and necessary action

- Personal Secretary to Hon. Chief Minister, Sachivalaya, Gandhinagar
- Personal Secretary to Hon. Minister (Finance), Sachivalaya, Gandhinagar
- Personal Secretary to Hon. Minister (Water supply and water resources), Sachivalaya, Gandhinagar
- Personal Secretary to Hon. Minister (Agriculture and Cooperation), Sachivalaya, Gandhinagar
- Personal Secretary to Hon. Minister (State level) (Energy & Petrochemicals), Sachivalaya, Gandhinagar
- Chief Secretary, Government of Gujarat, Sachivalaya, Gandhinagar
- Chairman, Gujarat State Fertilisers and Chemicals Company, Vadodara
- Managing Director, S.S.N.N.Ltd, Gandhinagar
- Principal Secretaries (All)
- Secretaries (All)
- Managing Director, Gujarat State Fertilisers and Chemicals Company, Vadodara
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- Secretary (Agriculture) Agriculture and Cooperation, Department Sachivalaya, Gandhinagar
- Secretary (Water Resources), N.W.R.W.S. & Kaplsar Department Sachivalaya, Gandhinagar
- Manager (Administration) Gujarat Energy Development Corporation Ltd. Vadodara
- Chairman Seeds Corporation, Sector- 10-A, Gandhinagar
- Chairman Gujarat Electricity Board, Vadodara
- Chairman Gujarat Agro Ltd, Gandhinagar
- District Development Officer (All)
- Select file

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Statement-A

1. Depots, Area Offices and Regional Offices of GSFC & GNFC and District and Taluka level officers of Agriculture Department and respective other Departments, GEB, Gujarat Agro Industries Corporation shall carryout campaign to give adequate publicity to drip irrigation project amongst the farmers of the state.
2. Beneficiary farmer shall make application in prescribed form for obtaining contribution from the Government for installation of micro irrigation/Drip/Sprinkler/rain guns/porous pipes to the Gujarat Green Revolution Company Ltd, Fertilizernagar town ship, P.O. Fertilizernagar,- 391750 Dist. Vadodara (to be read as "Company" hereafter)
3. Application forms prescribed for such contribution shall be available free of cost from Company head office and also from Gram sevaks /Office of Taluka panchayats /Office of District Panchayats /Depots of GSFC, GNFC/GEB and Gujarat Agro Industries Corporation. The application shall be forwarded to the Company through the officer designated in the application form along with necessary documents. Offices receiving such applications shall forward the same along with documents to the Company for approval
4. After receiving the application, the same shall be handed over to the bank after verification of documents is carried out by the designated officer of the Company. The bank shall thereafter process the application for deciding about eligibility for loan.
5. Farmers shall be required to deposit in advance 5% of the total cost of MIS with the Company at the time of agreement. In case where the amount exceeds Government's contribution the farmer shall be required to make payment as may be decided by the Company.
 - 5.1 Those farmers who need not avail of loan, would be required to pay 50% of the total cost of MIS along with amount in excess of contribution if any at the time of entering into tripartite agreement.
6. On receiving 5% advance money, set of Drip/Sprinkler/rain guns/porous pipes shall be laid on farms by the MIS suppliers decided by the Company.
7. The suppliers of Drip/Sprinkler/rain guns/porous pipes decided by the company shall be required to provide guidance regarding agriculture up to 1 year from the date of installation of set and shall also be required to provide maintenance service on farms for a period of 5 years.
8. After the set of Drip/Sprinkler/rain guns/porous pipes is laid completely on farm, the company shall get the same examined

through a reputed neutral agency. Cost of such examination shall be borne by the company.

9. The Company shall pay to the bank the amount of the State Government's contribution after approving the application (Form No-2) of the loanee farmer so that the bank shall pay to the MIS supplier within the prescribed time limit the amount of contributions and loan.
- 9.1 In case of farmers who have not taken the loan, the company shall pay to the MIS suppliers the amount of contribution and advance after the applications (Form No.2) are sanctioned by the Company.
10. Those beneficiaries who have laid sets for Drip/Sprinkler/rain guns/porous pipes under this scheme shall be required to keep the sets for minimum 5 years and shall not be permitted to transfer or sell the same to any one else.