ABSTRACT

Schemes – State Scheme – Chief Minister's Solar Powered Green House Scheme (CMSPGHS) – Implementation of the Scheme for the year 2018-2019 – Construction of 20,000 Solar Powered Green Houses during 2018-2019 – Administrative Sanction and release of funds – Guidelines prescribed - Orders – Issued.

Rural Development and Panchayat Raj (SGS.1)Department

G.O.(Ms.) No. 108 Dated: 06.08.2018
விளம்பி – ஆடி– 21
திருவள்ளுவர் ஆண்டு–2049

Read:

1. G.O. (Ms.) No.60, Rural Development and Panchayat Raj (SGS1) Department, dated 06.06.2017.

2. From the Director of Rural Development and Panchayat Raj, Letter No.20870/2018/RHS1.1, dated 05.04.2018.

ORDER:

In the Government order first read above, orders were issued for the construction of 20,000 green houses for the year 2017 - 2018 under Chief Minister's Solar Powered Green House Scheme (CMSPGHS) in rural areas and detailed guidelines were also issued for the implementation of the Scheme.

2. In the Budget Speech 2018-2019, among others, the following announcement has been made:-

"Under Chief Minister's Solar Powered Green House Scheme, 20,000 houses will be taken up for construction in 2018-19 at a cost of Rs. 420.00 Crore".

....2.

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3. Pursuant to the above announcement, the Director of Rural Development and Panchayat Raj in the letter 2nd read above has requested the Government to accord administrative sanction for the construction of 20,000 houses under Chief Ministers Solar Powered Green House Scheme for the year 2018-19 at a cost of Rs.420.00 Crore and also sent draft guidelines for approval of Government.

4. After detailed examination of the proposal of the Director of Rural Development and Panchayat Raj, the Government issue following orders:-

(a) Permission is accorded for the construction of 20,000 houses under Chief Minister's Solar Powered Green House Scheme during 2018-2019 with the unit cost of Rs.2.10 lakh.

(b) Sanction is accorded for the release Rs. 210.00 Crore from B.E. 2018-2019 (i.e) 50% of the total cost of Rs.420.00 Crore towards the construction of 20,000 houses under Chief Minister's Solar Powered Green House Scheme 2018-2019.

Guidelines for the implementation of Chief Minister's Solar Powered Green House Scheme for the year 2018-19 is appended to this order.

5. The expenditure sanctioned in para 4 (b) above shall be debited to the following Heads of Account :

2216 Housing - 03 Rural Housing - 789 Special Component Plan for Scheduled Castes- State's Expenditure – JD Solar Powered Green House Scheme-09 Grants–in-Aid-02 Grants for Creation of Capital Assets. (DPC 2216 03 789 JD 0928)	Rs. 60,90,00,000/-
2216 Housing - 03 Rural Housing 796 Tribal Area Sub-Plan – State's Expenditure – JC Solar Powered Green House Scheme - 09 Grants–in-Aid-02 Grants for Creation of Capital Assets. (DPC 2216 03 796 JC 0925)	Rs. 2,10,00,000/-
2216 Housing - 03 Rural Housing –800 Other Expenditure - State's Expenditure – JG Solar Powered Green House Scheme - 09 Grants – in – Aid - 02 Grants for Creation of Capital Assets. (DPC 2216 03 800 JG 0926)	Rs.147,00,00,000/-
Total	Rs.210,00,00,000/-

...3...

6) The Director of Rural Development and Panchayat Raj is authorized to draw and disburse the amount sanctioned in para 4 (b) above.

7) This order issues with the concurrence of Finance Department vide it's U.O.No 40477/Fin (RD)/2018, dated: 03.08.2018

(BY ORDER OF THE GOVERNOR)

HANS RAJ VERMA,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT

To
The Director of Rural Development and Panchayat Raj,Chennai–15.
All District Collectors (except Chennai).
All Project Directors, District Rural Development Agencies.
(through the Director of Rural Development and Panchayat Raj)
The Accountant General, Chennai – 9/18/35.
The Pay and Accounts Officer (South), Chennai – 35.

Copy to
Hon'ble Chief Minister's office, Chennai – 9.
The Special Personal Assistant to Hon'ble Minister,
(MA, RD & Implimentation of Special Programme), Chennai-9.
Finance (RD /BG I /BG II) Department, Chennai-9.
National Informatics Centre, Chennai-9.
SF / SC.

// FORWARDED BY ORDER //

UNDER SECRETARY TO GOVERNMENT

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G.O. (Ms.) No.108, Rural Development and Panchayat Raj (SGS1) Department, Dated: 06.08.2018.

ANNEXURE

Guidelines for Implementation of Chief Minister's Solar Powered Green House Scheme (CMSPGHS) - 2018-2019

1. Introduction:

(i) The Chief Minister's Solar Powered Green House Scheme (CMSPGHS) was launched during the year 2011-12. It is a flagship scheme of Government of Tamil Nadu, which fulfils the Housing requirement of the rural poor people along with Solar Powered Home Lighting System and thereby promoting green energy. Under this free housing scheme the three lakh Green houses have been constructed at an estimate cost of Rs.5940 crore from the years 2011-12 to 2015-16.

(ii) Nowhere else in the country such a free housing scheme for the construction of houses with an area of 300 sq.ft with solar powered lighting is implemented. Since the scheme is predominantly beneficiary oriented and the unit cost provided under the scheme is higher than all other housing schemes, it is highly popular among the people of Tamil Nadu and hence the scheme is extended for another five years. Hence, for the benefit of the poor in rural areas, another 1 lakh Solar Powered Green houses with an unit cost of Rs.2.10 lakh (Rs.1.80 lakh for house construction and Rs.30,000/- for Solar Powered Home Lighting System) will be constructed spread over the period of next five years with the construction of 20,000 houses every year commencing from the year 2016-17.

(iii) For the year 2016-17 and 2017-18, 40,000 houses are being constructed at an estimated cost of Rs.840 crore and besides construction works, the installation of solar home lighting system will also be executed through Rural Development and Panchayat Raj Department. In the year 2018-19, 20,000 houses will be constructed at an estimated cost of Rs.420 crore.

2. Salient features of the Scheme:

(i) The poor people living in rural areas are eligible to be beneficiaries of the CMSPGHS.

(ii) The supply, installation and commissioning of solar panels and lights are to be undertaken by Project Director, District Rural Development Agencies of the Districts concerned by following established procedures. The Director, Rural Development & Panchayat Raj Department is eligible to issue necessary executive instructions

regarding the installation of solar lights in consultation with the Additonal Chief Secretary to Government Rural Development & Panchayat Raj Department.

(iii) Each house shall be built with an area of 300 square feet at an unit cost of Rs2.10 lakh fully funded by the State Government,

(iv) Each house shall consist of a living room, bed room, kitchen, toilet and verandah apart from the provision for harvesting rain water.

(v) Each house is provided with 5 solar powered Light Emitting Diode (LED), one each in bed room, living room, kitchen, toilet and verandah. Each beneficiary is given the option to have an electric connection powered by TNEB, which will be metered.

(vi) The unit cost is Rs.2.10 lakh per house. Out of this, Rs.1.80 lakh shall be allotted for construction and the amount required for Solar Powered Lights shall be released by DRD & PR based on requirement.

(vii) Both the construction of houses and installation of solar lights shall be taken up by the Rural Development and Panchayat Raj Department.

(viii) The Green Houses shall be constructed either in situ (replacing his/her existing dwelling structure) or on the land owned by the beneficiary elsewhere in the Village Panchayat. No land acquisition is envisaged under this scheme. **People with pattas for their house sites are only eligible under this scheme.**

3. Type design:

(i) The exclusive type design already developed for this Scheme shall be followed. The construction of houses should not exceed the permissible limit of 300 sq.ft.

(ii) To ensure uniformity in the design, no change of type design is normally permitted. However, changes in type design, such as shifting of kitchen room or bedroom to another direction, etc., shall be permitted without altering the total plinth area of 300 sq.ft.

(iii) The logo for this scheme printed on ceramic tiles shall be affixed visibly on all the houses.

(iv) The name of the scheme, beneficiary's name and year of construction shall be painted prominently on each completed house.

4. Convergence with MGNREGS

(i) In addition to the unit cost of Rs.2.10 lakhs as a convergence measure, each beneficiary shall be paid the notified wage rate under MGNREGS towards utilisation of 90 Person days for the construction of the house.

(ii) Further, a sum of Rs.12,000/- shall be provided to the beneficiary for construction of Individual House Hold Latrine (IHHL) in convergence with Mahatma Gandhi National Rural Employment Guarantee Scheme .

5. Eligibility of the Beneficiaries:

The beneficiary should:

(i) Be a resident of the Village Panchayat concerned.
(ii) Own a site of not less than 300 sq.ft. area.
(iii) Have clear patta for the site/house in the name of the head of the family or any other member of the household.
(iv) Do not own any other pucca concrete house in the village or elsewhere.
(v) Should not have been benefitted under any other housing scheme of the Government.

6. Mode of Selection of Beneficiaries:

(i) The beneficiaries should be selected from the poor people living in the Village Panchayat and the list of such beneficiaries shall be approved by the Gram Sabha. While selecting the beneficiaries, priority should be given to those who are listed as vulnerable in PIP list prepared by TNSRLM and erstwhile PVP project.
(ii) Out of the total allocation of 20,000 houses in a year, 29% shall be allotted to Scheduled Castes i.e., 5,800 houses, 1% shall be allotted to Scheduled Tribes i.e., 200 houses and the remaining 70% shall be allotted to others i.e., 14,000 houses (Except SC and ST).
(iii) 3% of the District-wise allocation should be reserved exclusively for differently abled persons.
(iv) While preparing the list of beneficiaries, priority should be given to the following persons-**differently abled, widows, destitute and deserted women, women headed families, Ex-servicemen and retired members of the Paramilitary forces, families having severely malnourished children (as identified by the ICDS Department), transgenders, HIV/AIDS/TB affected persons who are certified by the Deputy Director (Health Services) concerned and victims of natural calamities such as fire, flood, etc., Priority shall also be given to households having a mentally challenged person in the family.**

7. Allocation of Houses:

(i) At the State level, the Director, Rural Development & Panchayat Raj shall allocate the target number of houses to be constructed under this Scheme in a year for each district.
(ii) At the District level, the District Collector shall decide the allotment of the houses to the Village Panchayats based on the above stated criteria for selection of beneficiaries.

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(iii) For the selection of the list of eligible beneficiaries, a Committee shall be formed at the village level. The committee shall comprise of Block Development Officer (Block Panchayat), Zonal Deputy Block Development Officer and Village Panchayat President/Special Officer concerned shall select the beneficiary from the poor people in the Village Panchayat as per guidelines and the final list of selected beneficiaries identified by the Committee should be placed before the Grama Sabha for its approval. The Chairman of Panchayat Union concerned shall be included as a special invitee to the Village Level Committee.

(iv) The BDO (Block Panchayat) should allocate the houses to the selected beneficiaries based on the priority category of people as approved by the Grama Sabha.

8. Execution of works:

(i) Administrative sanction for the scheme based on the district allocation for each year shall be accorded by the District Collector.

(ii) The execution of the scheme shall be entrusted to the Block Development Officer (Block Panchayat).

(iii) The Block Development Officer (BP) should issue the work order to the beneficiaries after confirming the eligibility of beneficiaries with reference to ownership and availability of requisite area for construction through the officials of Rural Development and Panchayat Raj Department.

(iv) Marking of Site: The Union Overseer / Block Engineer concerned of the particular Village Panchayat shall mark the site as per the type design approved by the Government for commencement of work.

(v) The Block Engineers / Union Engineers shall be responsible for the construction and other technical aspects of construction as per G.O (MS) No.54, RD & PR (PR.1), dated 22.5.2014. The Union Overseers shall assist in marking and supervision of construction works as per the design and technical standards.

(vi) The Assistant Executive Engineers shall check measure the construction of the houses.

(vii) The Project Director, DRDAs, Executive Engineers (RD) and Assistant Executive Engineers (RD) should frequently inspect the progress in the construction of the houses and ensure its timely completion. They should also ensure that there is no deviation from the approved type design or any other guidelines/instructions provided for the implementation of the scheme.

9. Supply of Materials:

(i) **Cement:** At the State level, necessary steps shall be taken to ensure smooth supply of cement for construction of houses. Cement supply shall be arranged through M/s. TANCEM and the payment may be made by the DRDA at District level and the amount shall be adjusted from the scheme fund. In addition to that, as per the instructions of the Government in G.O.(Ms) No.188 Industries (MID.2) Department dated 11.12.2014 that houses constructed under various Government schemes shall also avail the benefit under the "Amma Cement Supply Scheme", Amma cement may also be supplied to the beneficiaries as per requirement.

(ii) **Steel:** Similarly, Project Director, DRDAs should take necessary steps to procure Steel based on the needs of their district and payment may be made by the DRDAs at District level and the amount shall be adjusted from the scheme fund. A total quantity of 300 kg of steel shall be supplied to each beneficiary under this scheme.

(iii) **Doors and Windows:** Beneficiaries themselves can arrange for doors and windows. If the beneficiary is unable to arrange for doors and windows, the Project Director, DRDAs should arrange for the supply of the same to the beneficiaries concerned and the proportionate cost shall be deducted from the scheme fund.

For all the above procurements, the Project Director DRDAs should work out the total quantity of materials needed for their district based on the number of houses allocated to them and ensure the continuous supply of the materials to the beneficiaries for the timely completion of the houses.

10. Installation of Solar Powered (SPV) Home Lighting System:

Solar Powered (SPV) Home lighting system shall be provided for every house under the scheme. The Project Director, DRDAs shall be responsible for the execution of the Solar Powered (SPV) Home lighting system in their respective districts.

The following modalities shall be followed in the installation, operation and maintenance of solar powered lights to the Green houses.

10.1 Modalities for installation of SPV lighting system.

Light Emitting Diode (LED) based solar powered home lights shall be installed in all the 20,000 houses to be constructed during the year 2018-19 with the following configuration:-

(i) 5 numbers of LED lamps capable of operating for 5 hours a day with one day autonomy (Two numbers 7W LED each in Hall and Veranda, Two numbers 5W LED each in kitchen and Bedroom and one 3W LED in toilet).

(ii) Tenders shall be floated by PD, DRDA at the District level as per Tamil Nadu Transparency in Tenders Act, 1998 and its rules 2000.

(iii) The amount for LED based SPV Home lighting system will be drawn by the Director, Rural Development & Panchayat Raj and disbursed to the Project Director, DRDAs of the Districts concerned.

(iv) Any savings and interest accrued in the accounts of the scheme held by the Project Director, DRDA while implementing the Scheme shall be remitted to Directorate of Rural Development & Panchayat Raj who in turn will remit the same to Government of Tamil Nadu account.

10.2 Technical specification of LED based SPV Home lighting system.

The following technical specification is adopted for LED based SPV Home lighting system.

Component	Specifications
PV module	Indigenous Crystalline module not less than 50Wp under STC
Lamps	5 Nos LED luminaries with input power consumption not more than 7W x 2 nos, 5W x 2 nos & 3W x 1 no
Battery bank	Not less than 12V, 40 AH LMLA/VRLA Battery
Other Components	Control electronics, Module mounting hardware, Battery box, Inter- connecting wires/cables, Switches, Operation, instruction and maintenance manual.

10.3 Calling of Tender.

10.4

The Project Director, DRDAs shall call for the tenders for procurement of LED based SPV Home lighting system. The model tender Documents for

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procurement of LED based SPV Home lighting system will be prepared and communicated to all Districts by the Director, RD&PR.

10.4 Finalization of Tender.

A District level committee shall be constituted as below to finalize the tender and to oversee the installation of LED based SPV Home lighting system.

1) District Collector / Chairman DRDA	Chairman
2) Project Director, District Rural Development Agency	Vice Chairman
3) Executive Engineer (RD)	Member
4) Executive Engineer (TANGEDCO) nominated by Superintendent Engineer (TANGEDCO)	Member
5) Assistant Project Officer (Housing and Sanitation)	Member Secretary

Based on the tender approval by the District level Committee, the District Collector/Chairman, DRDA shall issue work order and execute the agreement with the successful tenderer.

10.5 Execution of Works:

Project Director, DRDA shall nominate the Assistant Project Officer (Housing and Sanitation) and one Junior Assistant cum Computer Operator at each DRDA for day-to-day coordination and supervision at the time of installation of Solar Powered Home Lighting system.

10.6 Warranty

The LED based SPV home lighting systems shall have a warranty of 5years after installation and commissioning of the system. Any defects that arise during the five year defect liability period shall be rectified by the concerned suppliers.

10.7 Maintenance of the System

There shall be a 5 year warranty period inclusive of Comprehensive Annual Maintenance Contract (CAMC) period for the systems supplied, which shall be the responsibility of the concerned suppliers.

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As part of the tender, the commissioning agencies shall be responsible to train the beneficiaries as well as 4 SHG members in each Panchayat to do regular maintenance.

The suppliers should set up District level / Block level Service Centres. A District level Helpline shall also be installed by the supplier/ manufacturer and the beneficiaries shall be provided with such contact numbers for any emergency or grievance redressal.

10.8 Quality Control & Inspection

Project Director, DRDA will engage suitable officer/consultant whose responsibility is to ensure that all the materials used in the LED based SPV home lighting system conform to the prescribed specifications. The officers or consultants shall inspect all the LED based SPV home lighting system after installation and commissioning and shall prepare detailed inspection report on the confirmation of specifications, installation and successful commissioning of the SPV home lighting system.

In case, the quality check reveals that the work is not satisfactory, the implementing agency (PD, DRDA) shall ensure replacement of the material or rectification of the defective workmanship, as the case may be, within the stipulated time. All works rated unsatisfactory shall be re-inspected after the rectification report is received from the suppliers/contractor. Payments shall be made to the suppliers only after receiving satisfactory inspection reports. The Assistant Project Officer (Housing & Sanitation) shall monitor the supply, installation and inspection of the LED based SPV home lighting system.

Any defect in the LED based SPV Home Lighting System will be brought to the notice of PD, DRDA by the beneficiary/ Panchayat/ Block/ District Administration for immediate rectification.

10.9 Fund release and Subsidy Claim

The Director of Rural Development and Panchayat Raj will draw the funds and release the same to the Project Director, District Rural Development Agency. Funds shall be released based on the progress in installation of the Solar lights. Final payment should be made only after the satisfactory completion of the work, after obtaining a certificate relating to completion from the competent authority. The Project Director, District Rural Development Agency shall submit proposal to TEDA for getting subsidy amount eligible for the solar lighting system from the Ministry of New and Renewable Energy (MNRE), GOI and remitted to Government of Tamil Nadu account.

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10.10 Training Materials

(i) Project Director, DRDA shall bring out Brochures / Handouts and other training materials on the usage and maintenance of the LED based SPV lighting equipments. A Handout on Do's and Don'ts shall also be prepared by the Project Director, DRDAs in Tamil and made available to the beneficiaries/Village Panchayats.

(ii) Training Modules shall be prepared by PD, District Rural Development Agency to train the Panchayat Presidents, Panchayat Secretaries, select SHG Members and other local functionaries deemed fit, so that they can serve as effective interface between the beneficiaries and suppliers.

10.11 Facilitation and Co-ordination by District Administration

I. The list of Village Panchayats selected along with the details of houses where SPV Home Lighting Systems are to be installed should be finalised by Project Director, DRDA well in advance.

II. The full address and contact phone numbers of the manufacturers / suppliers / installation and commissioning contractors (AMC holders) should be made available at the District level, Block level and at the Village Panchayat level

11. Documentation:

Photographs exhibiting the beneficiary positioned in front of the house in which they reside at present shall be taken. The same process has to be repeated after completion of the house. These processes have to be documented/ensured by the Block Development Officer (BP) before making final payment. Further, an amount not exceeding, 1% of the allocation is earmarked for documentation and other Information, Education and Communication (IEC) activities.

12. Monitoring:

The District Collector will review the progress of the construction of houses as well as the installation of LED based SPV Home Lighting System with the Block officials and the officials who are responsible for installation of solar lights. The District Collector and the Project Director, District Rural Development Agency are the Officers responsible for the proper implementation of the Scheme at the District level.

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13. Release of funds:

I. The Director, Rural Development & Panchayat Raj is authorized to draw the annual allocation for CMSPGHS in two half-yearly instalments. The fund in turn will be released to the Collector / Chairman, DRDAs of the districts at the rate of Rs.1,80,000/- per house who will in turn release to the respective BDO (Block Panchayat).

II. There shall be two CMSPGHS Savings Bank Account at the district level one for civil works and a separate Savings Bank Account exclusively for CMSPGHS solar lights shall be opened in the name of District Collector/Chairman, District Rural Development Agency.

III. At the Block level, a only one account shall be maintained, for CMSPGHS towards payment for both beneficiaries and materials. After deduction for materials issued for beneficiaries, the balance amount shall be released to the beneficiaries bank account through ECS/ Cheque. Payment should not be made by cash at any cost. This account shall be operated by BDO (BP) in appropriate manner as per rules.

IV. The payment to installers of solar home lighting system shall be made by Collector / Chairman, DRDA at the district level based on completion.

14. The Additional Chief Secretary to Government, Rural Development and Panchayat Raj Department, in consultation with the Director of Rural Development and Panchayat Raj is authorized to amend these guidelines based on the exigencies that may arise from time to time.

HANS RAJ VERMA,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT.

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6.8.2018

SECTION OFFICER

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