

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Panchayat Raj & Rural development-JAGANANNA PALLEVELUGU - AP Panchayat Raj LED street Lighting Project –Transfer of Operation & Repair and maintenance part of the Project from EESL/NREDCAP to Village Secretariats headed by Panchayat Secretary – Orders - Issued – Reg.

PANCHAYAT RAJ & RURAL DEVELOPMENT (PTS.III) DEPARTMENT

G.O.MS.No. 11

Dated: 03-03-2021

Read the following:

1. G.O Ms No.4 PR&RD (Pts-III) Department Dated.18.01.2016.
2. G.O Rt No. 391 PR&RD (Pts-III) Department Dated.08.06.2017.
3. Minutes of the Meeting Held by the Hon'ble Minister for PR&RD Dt. 30.06.2020.
4. Minutes of the Meeting held by the Hon'ble Minister for PR&RD Dt.19.08.2020.
5. Memo No PRR01-PROPPAN(STLT)/14/A2/Pts.III/2020 Dt.31.08.2020.
6. UO Note No.GWS01-COOR/137/2020-GWS01-PR&RD/Pts.III/A2 Dt 17.12.2020.
7. From the Commissioner, PR&RD e-file No PRR02-23034(31)/2/2021-LED-PMU SEC-PRRD (C.No.1320355).

ORDER:

To improve the Living Standards of rural population and to transform the existing conventional street lighting system to energy efficient street lighting system, the Government have taken a decision to Install/Retrofit existing street Lights with LED street lights and Energy Efficiency Services Limited (EESL), GoI & New Renewable Energy Development Corporation of AP (NREDCAP), GoAP were entrusted with the work of installation of LED street lights, CCMS panels along with Operation and R&M for a period of 10 years. Accordingly EESL and NREDCAP have installed 24.88 Lakhs of LED Street Lights and 41,737 Number of CCMS panels in their respective allotted Gram Panchayats and have undertaken Operation, Repair and maintenance(R&M) of LED lights.

2. Owing to the unsatisfactory mechanism adapted by the EESL/NREDCAP with minimal man power for R&M of LED Street Lights, it is proposed for transfer of Operation and R&M Part of the project from EESL, NREDCAP to Village Secretariats headed by Panchayat Secretary.

3. The Government after careful examination of the matter and in consultation with the Commissioner, PR&RD, hereby decided to transfer operation, R&M part of the

LED Street Lighting Project from EESL, NREDCAP to Village Secretariats headed by Panchayat Secretary and APSEEDCO is held responsible for smooth transfer of R & M activities and further monitoring of the AP PR LED Street Lighting project.

4. While undertaking the transfer process from EESL/NREDCAP to Village Secretariats headed by Panchayat Secretary the following instructions and responsibilities shall be followed scrupulously:

- (a) The overall responsibility of Operation and Repair & Maintenance of LED street lights including timely payment (Quarterly payments to EESL/NREDCAP, payments to GP Electricians) for the said activity lies with Panchayat Secretary/Incharge of the Gram panchayat administration only.
- (b) The Energy Assistants in coordination with DISCOM are held responsible for Operation and Repair & Maintenance of LED street Lights and handling of spares (receipt of new spares, storage of spares at Village secretariat Level, Utilization of spares, handing over of removed spares), required storage space will be provided by Village Secretariats.
- (c) Supply of spares up to division level till the completion of project period will be the responsibility of EESL/NREDCAP and APSEEDCO shall handle spares management from division level to Village Secretariat and vice versa and in case if EESL/NREDCAP fails to supply the spares, the Panchayat Secretary shall procure the suitable spares from Local market and upon which such cost of procurement have to be deducted from the eligible payments to EESL/NREDCAP.
- (d) The Service Level Agreement (SLA) for attending the LED Street Lights grievances in the new system of Repair & Maintenance mechanism is 48 hours from the time of receipt of complaint.
- (e) The detailed roles and responsibilities of EESL, NREDCAP, APSEEDCO, VS&WS department and standards of performance (SOP) on Operation, Repair and Maintenance of LED street lights are here with appended as Annexure to this order.
- (f) A Comprehensive Web portal shall be developed by Commissioner PR&RD for handling the LED Street lights complaints (complaints received, redressed, pending) and for monitoring quarterly payments by Gram Panchayats against the demand raised by EESL /NREDCAP /APSEEDCO.
- (g) Mapping and demarcation of LED street lights available at Gram Panchayat is to be done at Village Secretariat wise and to allocate the number of LED street lights that shall be monitored by each Village volunteer.

- (h) EESL shall impart training and Skill development to Panchayat Secretaries, Energy Assistants and Engineering Assistants on handling of LED street lights complaints as per the operational practices adopted and a Centralized work shop at appropriate location shall be established in the state for rectification of removed spares.
- (i) The transfer process shall be completed within 30 days of issue of this order.

5. The Energy Department and the Village/Ward Volunteers and Village/Ward Secretariats (VS&WS) department are requested to issue necessary instructions for entrusting the responsibility of Operation, Repair and Maintenance of LED street lights, handling of spares at Village secretariat level.

6. The Commissioner, Panchayat Raj & Rural Development, AndhraPradesh shall take further necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

GOPAL KRISHNA DWIVEDI
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Commissioner, Panchayat Raj & Rural Development, Tadepalli.

The Energy department, AP Secretariat, Velagapudi.

The VS&WS department, AP Secretariat, Velagapudi.

The Vice Chairman & Managing Director, NREDCAP, Tadepalli.

The Managing Director, Energy Efficiency Services Limited, 4th Floor, Sewa Bhavan, R.K. Puram, New Delhi -110066.

The CEO/MD, APSEEDCO, Museum Road, Governorpet, Vijayawada.

All the District Collectors/DPOs in the state.

Copy to:

The PS to Secretary to CM.

The P.S. to Chief Secretary to Government.

The OSD/PS to M (PR, RD).

The P.S. to Pri.Secretary to Govt(PR).

Sf/Sc.

//FORWARDED:: BY ORDER//

SECTION OFFICER

ANNEXURE

(Annexure to GO Ms No.11 , Dt.03.03.2021)

SCOPE OF WORK AND ROLES & RESPONSIBILITIES FOR TRANSFER OF OPERATION, REPAIR & MAINTENANCE OF LED STREET LIGHTS FROM ENERGY EFFICIENCY SERVICES LIMITED (EESL), GoI & NEW & RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA PRADESH, GoAP TO VILLAGE SECRETARIATS HEADED BY PANCHAYAT SECRETARIES.

Transfer of Repair and Maintenance of LED street Lights to Village Secretariats headed by Panchayath Secretary.

A.Stake Holders Involved:-

1. Energy Efficiency Services Limited (EESL, a Joint venture of Central Public Sector Undertaking), MoP , GoI .
2. New & Renewable Energy Development Corporation of AP Limited (NRDECAP), GoAP.
3. Andhra Pradesh State Energy Efficiency Development Corporation (APSEEDCO), Energy Department, GoAP.
4. Panchayath Raj and Rural Development (PR&RD) ,GoAP.
5. Andhra Pradesh Power Distribution Companies , APEPDCL, APSPDCL, APCPDCL of Energy Department.
6. Village Secretariat and Ward Secretariat Department (VS&WS), GoAP.

The above said from "(1)" to "(5)" stake holders are involved in grounding the project and successful completion of the installation phase and by taking forward of the Proposed new System of operation, repair and maintenance of LED street Lights, " Village Secretariat headed by Panchayat Secretary " of VS&WS Department shall be responsible for redressal of all types of complaints pertaining to LED street Lights in Coordination with the respective APDISCOMs of Energy Department.

B. Scope of work to be Transferred from EESL/NREDCAP to Village Secretariats headed by Panchayat Secretary: -

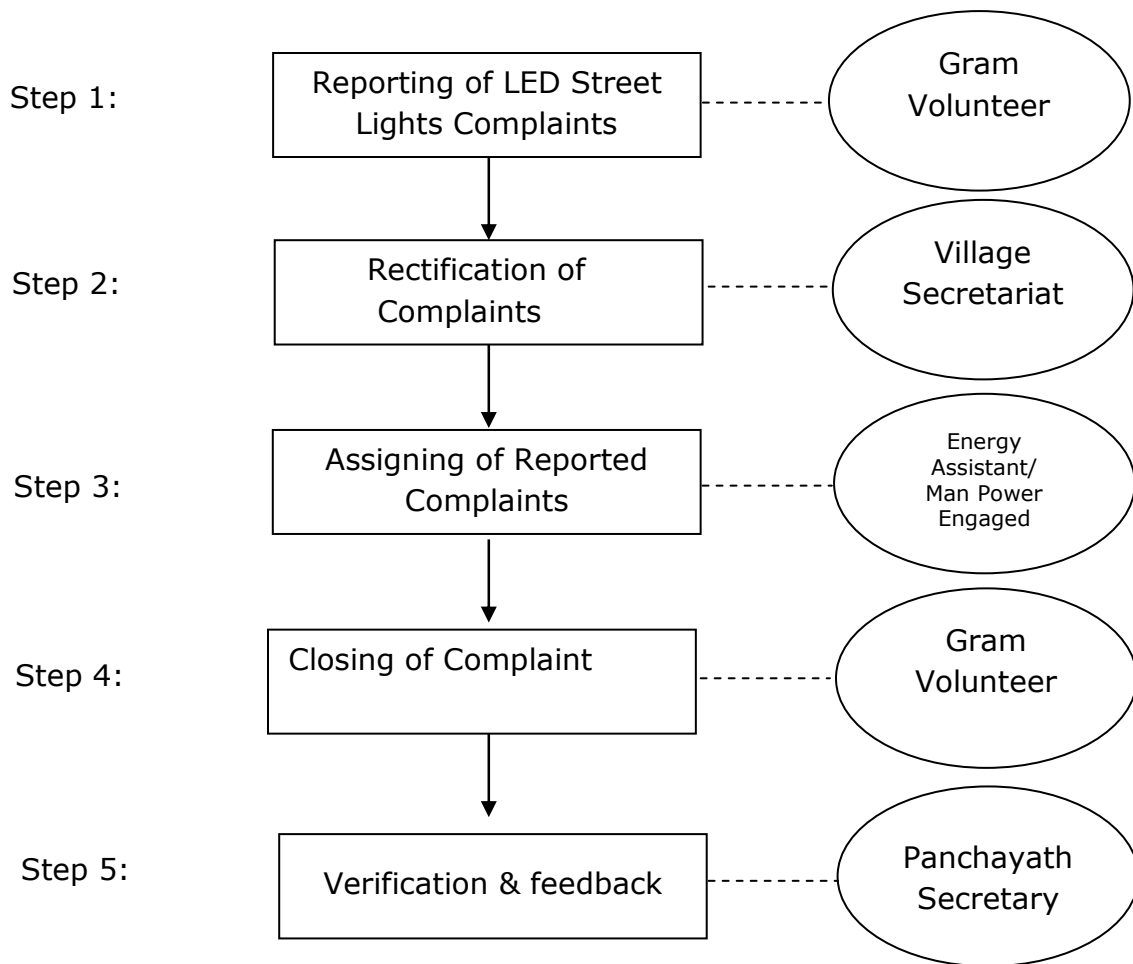
(1) The below activity of LED street Lighting Project shall be Transferred from EESL/NREDCAP to Village Secretariats headed by Panchayat Secretary.

- (i) Operation of LED Street Lights Installed but not connected to CCMS panels.
- (ii) Repair and Maintenance of LED street Lights of all the wattages.

(2) The below activity shall remain to be unaltered and continued with EESL/NREDCAP.

- (i) Operation, Repair and Maintenance of CCMS panels.
- (ii) Maintenance of CCMS web portal with a comprehensive dash board to display the real time functionality of CCMS panels and Lights connected CCMS panels shall be the responsibility of EESL/NREDCAP.
- (iii) Supply of LED lights spares LED street lights of wattages 24W, 32W and 75W to APSEEDCO for distribution up to village secretariats.

C. Work flow and responsibility by the concerned is determined as below for Repair and Maintenance of LED Street lights in the new Mechanism.



D. Process of Transfer of R&M part of LED street Lights from EESL/ NREDCAP to Village Secretariats.

1. EESL/NREDCAP shall withdraw all its deployed man power intended for R&M activity of LED street Lights
2. EESL/NREDCAP shall withdraw the Man power before the date 31.03.2021 fixed by the PR&RD GoAP and communicate the same to the PR&RD GoAP to make immediate arrangements for Transfer activity.
3. EESL /NREDCAP shall declare and the list of Gram Panchayat wise Installed Quantity of LED Street lights and CCMS boxes as per the completion certificates and shall be considered for Transfer process.
4. EESL/NREDCAP to certify that following while declaring the Installed Quantity of LED street Lights and CCMS boxes.
 - (i.) Wattage Wise Total number of LED Street Lights Installed as per Completion Certificate.
 - (ii.) Wattage Wise Total number of LED Street Lights Functional as on Transfer Date.
 - (iii.) Total number CCMS boxes Installed as per Installation Certificate / Completion Certificate.
 - (iv.) Wattage wise Total number of LED street Lights Connected to Installed CCMS boxes.
 - (v.) No of LED Street Lights not connected to CCMS boxes.
 - (vi.) Total number of Functional CCMS boxes as on Transfer Date.
5. EESL/NREDCAP as on the date of transfer activity shall readily provide and continue to supply agreed buffer stock quantity of spares related to Luminary.
6. At the time of Transfer of R&M , EESL/NREDCAP shall plan to deliver all types of spares related to Lights required for 6 months in advance and there after EESL/NREDCAP shall replenish the consumed quantity with the support of APSEEDCO.
7. Village Secretariat headed by panchayath Secretary shall make all arrangements as on Transfer date to take over the R&M of LED Street Lights.
8. The Energy Assistant / Man power engaged by "Village Secretariat headed by Panchayat Secretary" shall be imparted training by EESL/APSEEDCO on the following.

- a. Types of LED Street Lights and Manufacturing makes Installed
- b. Major Components associated with LED Street Light
- c. Scope of Work in attending the LED Street Lights
- d. Types of Luminary related and other Complaints originated as per past experience in handling complaints.
- e. Nature of Rectification to be carried out on various types of complaints.
- f. Warranty requirements for spares handling.
- g. Safety at work spot to be ensured while attending the complaints.

9. APSEEDCO shall coordinate with PR&RD, EESL, NREDCAP and VS&WS for facilitating smooth handing over of the R&M process and to ensure required quantity of buffer stock of spares supplied by EESL and keep readily available at Go downs for distribution.

10. APSEEDCO shall prepare and submit a proposal to PR&RD for consideration on incurring of expenditure for Maintaining Godowns at Division Level, distribution of spares up to Village Secretariat Level and Collection & Handing over of removed spares to EESL.

11. A web application of Desktop and mobile based platform adhering to the workflow mentioned in PARA C shall be developed for ensuring transparency in handling the complaints and a Toll free number shall be established and made available for public domain for reporting of Non – Glowing complaints.

Roles and Responsibilities of the Stake Holders:-

1. Panchayath Raj and Rural Development (PR&RD), GoAP is the beneficiary department of the scheme and the roles and responsibilities defined as per the Tripartite Agreements entered between PR&RD, EESL and APSEEDCO remains unaltered and in addition to the above the following shall holds good for smooth operation, Repair and Maintenance of LED Street Lights.

- (i.) Necessary amendments with respect to the change in the scope of work shall be made to the tripartite agreements already executed with EESL/NREDCAP and APSEEDCO.
- (ii.) Necessary orders, circulars shall be issued by the Commissioner PR&RD down the line from time to time while adapting the new system of Repair and Maintenance.
- (iii.) A comprehensive Soft ware tool/application compatible to mobile and desktop use shall be developed in coordination with EESL, APSEEDCO for Complaint Handling System and for monitoring quarterly payments made by Gram Panchayats.

- (iv.) To Monitor and issue timely instructions for making quarterly payments to EESL/NREDCAP and APSEEDCO by Gram Panchayats.

2. Energy Efficiency Services Limited (EESL), Mop, GoI is the Project Implementing agency and the scope of work, Roles and Responsibilities defined as per the Tripartite Agreements entered between PR&RD, EESL and APSEEDCO remains unaltered, except the below points for consideration in accordance to the decision taken by the GoAP to entrust the task of Repair and Maintenance to Village Secretariats.

- (i.) EESL during the project period shall supply spares (Driver, SPD, LED Strip etc) related to Luminaries of installed wattages at the locations specified by APSEEDCO.
- (ii.) EESL at any point of time shall maintain 5% of Installed lights as buffer stock.
- (iii.) EESL shall appoint a Nodal officer at State Level and District level for coordination with APSEEDCO, PR&RD.
- (iv.) EESL in coordination with APSEEDCO shall schedule handing over of defective or removed spares to the respective LED Street Light Vendors.
- (v.) EESL shall prepare a Technical Handbook on Operational Practices, Repair and Maintenance of the existing installed LED Street Lights and to impart training to the engaged manpower of Village Secretariat headed by panchayat secretary in coordination with APSEEDCO.
- (vi.) Non - Replenishment of spares in the agreed timelines shall attract penalty as specified.
- (vii.) EESL shall develop and maintain a comprehensive dashboard for the lights connected to CCMS boxes.
- (viii.) EESL shall assist PR&RD and APSEEDCO in developing a software tool for complaint handling system in accordance with new system.

3. New and Renewable Energy Development corporation of AP is the Project Implementing agency and the scope of work, Roles and Responsibilities defined as per the Agreement entered between PR&RD, NREDCAP remains unaltered, except the below points for consideration in accordance to the decision taken by the Go AP to entrust the task of Repair and Maintenance to Village Secretariats.

- (i.) NREDCAP during the project period shall supply spares (Driver, SPD, LED Strip etc) related to Luminaries of installed wattages at the locations specified by APSEEDCO.

- (ii.) NREDCAP at any point of time shall maintain 5% of Installed lights as buffer stock.
- (iii.) NREDCAP shall appoint a Nodal officer at State Level and District level for coordination with APSEEDCO, PR&RD.
- (iv.) NREDCAP in coordination with APSEEDCO shall schedule handing over of defective or removed spares to the respective LED Street Light Vendors.
- (v.) NREDCAP shall prepare a Technical Handbook on Operational Practices, Repair and Maintenance of the existing installed LED Street Lights and to impart training to the engaged manpower of Village Secretariat headed by panchayat secretary in coordination with APSEEDCO.
- (vi.) Non - Replenishment of spares in the agreed timelines shall attract penalty as specified.
- (vii.) NREDCAP shall develop and maintain a comprehensive dashboard for the lights connected to CCMS boxes.
- (viii.) NREDCAP shall assist PR&RD and APSEEDCO in developing a software tool for complaint handling system in accordance with new system

4. Andhra Pradesh State Energy Efficiency Development Corporation (APSEEDCO), Energy Department is the Project Management Consultancy both EESL and PR&RD and the scope of work, Roles and Responsibilities defined as per the Tripartite Agreements entered between PR&RD , EESL and APSEEDCO remains unaltered, except points shall be attributable to APSEEDCO.

- (i.) APSEEDCO shall be held responsible for monitoring of Repair and maintenance of LED Street Lights in due coordination with EESL/NREDCAP, PR&RD, VS&WS.
- (ii.) APSEEDCO during the course of the project period shall be held responsible for distribution of Spares supplied by EESL / NREDCAP up to Village secretariat level.
- (iii.) APSEEDCO Shall collect the Removed /Defective spares from field and schedule the Handing over of the same to EESL/ NREDCAP and its LED Street Light Vendors at appropriate time lines.
- (iv.) APSEEDCO shall coordinate with EESL/ NREDCAP in preparation of Technical Hand Book with respect to Operational Practices and R&M of LED Street Lights.
- (v.) APSEEDCO in coordination with EESL/ NREDCAP shall impart training to man power engaged by Village Secretariat headed by Panchayat Secretary on Handling of various types of LED Street Lights complaints.

5. Village Secretariats and Ward Secretariats Department GoAP is entrusted with the task of Repair and Maintenance of LED street Lights through the Energy assistant/man power engaged by Village Secretariat headed by Panchayat Secretary, the scope of work and Roles and responsibilities in the new system of Repair and Maintenance of LED street Lights is mentioned as below.

- (i.) Identification and Reporting of Non –Glowing of LED Street Lights, by Gram Volunteers through the compliant reporting mechanism developed from time to time.
- (ii.) The reported complaints of Non Glowing LED Street Lights shall be assigned to the respective Energy Assistant/Man power engaged by Village Secretariat headed by Panchayat Secretary for rectification.
- (iii.) The Energy Assistant / Man power of Village Secretariat headed by Panchayat Secretary by ensuring Necessary Line Clearance on the Electrical lines in coordination with Local APDISCOMs staff and by following proper safety measures shall attend the Non Glowing LED Street Lights.
- (iv.) The Service level agreement (SLA) time for restoration of Non Glowing Light to Glowing condition is 48 hours from the time of receipt of complaint.
- (v.) The Attended complaints shall be updated through Mobile Application/Desktop application developed by PR&RD.
- (vi.) The Energy Assistant /Man power of Village Secretariat headed by Panchayat Secretary shall attend all types of Non Glowing LED Street Lights complaints and Necessary spares required for attending Luminary related complaints shall be supplied by EESL/NREDCAP and distributed by APSEEDCO up to Village secretariat level.
- (vii.) Village Secretariat headed by Panchayat Secretary shall coordinate with APSEEDCO for New spares requirement, Removed /defective Spares Handing over to APSEEDCO from time to time and maintain a record for accounting of spares (Received , Utilized , Balance) and shall be held responsible for proper handing over of removed/defective spares
- (viii.) The Energy Assistant/Man power engaged of Village Secretariat headed by panchayat secretary shall be held responsible for spares accountability.
- (ix.) The Energy Assistant / Man power of Village Secretariat headed by Panchayat Secretary shall handle the LED Street Lights related complaints with proper care as per the operational practices mentioned in the Technical Hand book.

6. **APDISCOMS** role in the new system of repair and maintenance of LED Street Lights is mentioned as below and APDISCOMs shall resolve the following infrastructure and maintenance issues.

- (i.) Pertaining to street light wire/3rd wire contributing for Non glowing/Day Glowing of LED Street Light complaints.
- (ii.) Loose & long spans, Proper Tree Clearance and adequate HT/LT clearances which shall contribute for burning of LED street lights.

GOPAL KRISHNA DWIVEDI
PRINCIPAL SECRETARY TO GOVERNMENT