**CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION**

**LIMITED**



**DETAILED PROJECT REPORT FOR SDP WORKS**

“Construction of new 11KV lines/link linesunder SDP works in the jurisdiction of O&M Division, CESC, **Hunsur**.”

**For the Year 2021-22**

1. **Name of the project:**

Construction of new 11 kv lines/link lines underSDP works on total turnkey basis coming under the jurisdiction of O&M Division, CESC, Hunsur.

1. **Location:**

In the Jurisdiction of O&M sub divisions.

1. H D Kote
2. Sargur
3. Hunsur
4. **Identified Area/Villages for Providing Link lines:**

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Name of the Subdivision** | **Name of the villages** |
| **1** | **H D Kote** | **Alanahalli & Hampapura O&M section Limits** |
| **2** | **Sargur** | **Sargur section Limits** |
| **3** | **Hunsur** | **Gavadagere and Govindanahalli section Limits** |

1. **Cost of the DPR:**

Cost of the estimates for Construction of new lines including Labour charges for erection of works as per the SR – 2018-19

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Name of the Taluk** | **DPR Cost in Lakhs** |
| **1** | **H D Kote** | **67.84** |
| **2** | **Hunsur** | **29.07** |

**Total Cost of the DPR for Construction of new 11 kv lines/link lines works in Hunsur division is as below:**

|  |  |
| --- | --- |
| **Total Cost of DPR** | **96.91 Lakhs** |

1. **Scope:**

Providing Link lines for bifurcation of overloaded feeders to avoid the overloading of feeders and to avoid breakdowns due to overload

1. **Objective:**

**The Link lines are proposed to eliminate/reduce the following issues**

* Overloading of feeders.
* Breakdowns due to overloading of feeders
* To reduce interruptions.
* To reduce Energy losses.

1. **Advantages and benefits :**
2. Strengthening of Distribution Network **:**

The main advantage of this project is reducing the load of overloaded feeders and strengthens the feeders.

1. Avoiding tripping due to overloading and avoid frequent breakdowns due to overload.
2. Uninterrupted power supply to the consumers.
3. Improves the quality of power supply to the consumers.
4. Transformers and line protection.
5. Reduction of distribution losses.
6. Energy savings.
7. Safety and Stability.
8. Reduces the Maintenance and Operation cost.
9. **Benefits:**
10. **Benefit due to reduction of distribution Losses**

Average annual energy savings due to reduction of distribution losses = Approx 0.5 MUs

1. **Reliability Benefit**

Due to reduction in interruptions and improvement in quality of power supply there will be increase in energy sales and profit from such sales is the benefit to the CESC.

**Conclusion:**

This project also envisages bifurcation of overloaded feeders and strengthening of electrical network and voltage improvement there by ensuring quality power supply to consumers which is our primary motto and reduces the technical loss and transformers failures.

-Sd-

Asst.,Executive Engineer(Ele)

O&M Sub division, CESC

Hunsur

-Sd- -Sd-

Asst.,Executive Engineer(Ele) Asst.,Executive Engineer(Ele)

O&M Sub division, CESC O&M Sub division, CESC

H D Kote Sargur

Executive Engineer(Ele), Superintending Engineer (Ele),

O&M Division, CESC O&M Circle, CESC

Hunsur Mysore