



## West Bengal State Electricity Distribution Company Limited

(A Govt. of West Bengal Enterprise)

Office of the Project Manager

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### Sub. – Cost Benefit Analysis of the Proposed Project

West Bengal State Electricity Distribution Company Limited previously known as West Bengal State Electricity Board is a West Bengal Govt. Enterprise has been catering the Electric Power to domestic and commercial consumers of all over the State of West Bengal in its rural and urban sectors for past six decades. WBSEDCL has been executing several electrical infrastructures including construction of Electrical Substation, Erection of new 33 KV and 11 KV Line with the help of Self and/ or State or Central Govt. Financial assistance to maintain uninterrupted Supply of quality electrical power to its consumers.


The Empowered Committee headed by Member Secretary, Planning Commission approved in Dec'2012, the proposal received from Govt. Of West Bengal for "Rural Electrification" with an estimated cost of Rs. 2511.10 crores as Central Assistance to the State Government for Rural Electrification projects under special plan for West Bengal under BRGF. The State Government announced 'universal electrification' of households namely "Sarba Griha Deep Prakash" (Sabar Ghare Alo) under Special BRGF Scheme to cover up the 100% household electrification in 11 nos. Backward district of West Bengal. Paschim Medinipur District was one of them.

Under this scheme a new 33/11 KV Substation has been sanctioned in Paschim Medinipur district for the purpose of enhancing the voltage profile and quality uninterrupted power service to the consumers of the **Jangal Mahal** and **Lalgarh** area of Salboni block. The people of these areas have been suffering from low voltage and deficiency of sufficient power demand for long time. As the State Govt. has approached to fulfil the legitimate demands of the people of these backward areas, an initiative has been taken through WBSEDCL to meet the primary rights of them by providing sufficient electrical power.

Now, the entire Jangal Mahal and part of Lalgarh area are being provided electricity with only a single 11 KV Feeder named Pirakata feeder with a length of around 375 Km and the demand of these areas is 12.7 MW and it is jumping higher day by day. Therefore, the voltage profile of these areas is still not at par. Moreover, in the agricultural season, the power and voltage profile tend to reach their worst point. A single 11 KV Feeder with such a length can only cater only 7.5 MW. Another 11 KV Feeder named Ramgarh feeder with a length of 220 Km. is also bearing Overload. The lack of sufficient quality electrical power not only affects the agriculture but also it hinders any medium or small industry to expand their periphery to any further. As a result, the needy people of these areas do not stand a chance to opt for any other permanent or temporary occupation except minor agricultural jobs.

In view of these a new 33/11 KV substation with a capacity of 12.6 MVA is being constructed at Dakshinsole mouza of Salboni Block in Jangal Mahal. The 33 KV Incoming line is planned to be coming from Dharma (220/132/33 KV) Substation with total length of 22 Km. (approx). This substation will have the provision of 6 nos. 11 KV Feeder line to be drawn specifically over the Jangal Mahal areas nearby. Those Outgoing feeders not only meet the area power demand by relieving Pirakata 11 KV feeder but also the residue power will be shared with Ramgarh feeder which will help to build a better voltage profile to these areas.

Hence, at conclusion it may be expressed that, with the help of this substation, the Jangal Mahal and Lalgarh area of Paschim Medinipur will not only enjoy sufficient Electrical power but also the agriculture and upcoming industrial sectors in these areas will be enhanced with a higher prospect and it is needless to state that this substation will lead more legitimate revenue in form of providing quality service.

  
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