

### WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED

(A Govt. of West Bengal Enterprise) Regd. Office: Vidyut Bhavan, Block-DJ, Sector-IJ, Bidhannagar, Kolkata - 700 091

CIN: U40109WB2007SGC113473, cecorpmont@gmail.com, www.wbsedcl.in

### Notice

#### Gist of the application for investment approval i.r.o. Distribution System Improvement Schemes (DSIS) under the jurisdiction of West Bengal State Electricity Distribution Company Limited

1. West Bengal State Electricity Distribution Company Limited (WBSEDCL) has submitted an application on 16.07.2021 before the West Bengal Electricity Regulatory Commission (Commission) for investment approval i.r.o. Distribution System Improvement Schemes (DSIS) under the jurisdiction of WBSEDCL in terms of regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended. The

application dated 16.07.2021 has been admitted by the Commission on 04.08.2021 in Case

(i) Installation of new 33/11 kV Distribution Substation, augmentation of existing

No OA - 373/21 - 22 2. Project Details:

Date: 06.11.2021

- substations and 33 kV system improvements has been considered in the DSIS keeping an eye on improving voltage profile and loss reduction
- (ii) Project Location: Entire License Area of WBSEDCL
- (iii) Total Financial Involvement of the Scheme: Rs. 125.96 Crore
- AH/5 (2nd Floor & 4th Floor) Premises No: MAR 16-1111, Action Area 1A, Newtown, Rajarhat, Kolkata - 700163 [Telephone No.: (033) 2962 3756 and FAX: (033) 2962 3757, e-mail: cp-wberc@gov.in] and certified copies of the application or part thereof may also be obtained from the office of the Commission following the procedures as Jaid down in the West Bengal Electricity Regulatory Commission (Conduct of Business) Regulations, 2013 during

3. The application submitted by West Bengal State Electricity Distribution Company Limited may be inspected at the office of the West Bengal Electricity Regulatory Commission at Plot No:

- office hours on all working days up to the last date of submitting suggestions and objections. 4. The application of WBSEDCL for investment approval has been posted on the website of WBSEDCL at www.wbsedcl.in.
- 5. The objections and suggestions, if any, on the proposals contained in the application may be submitted at the office of the West Bengal Electricity Regulatory Commission mentioned above within fourteen (14) days (including the date of publication) of publication of this
- notice in the newspaper. 6. The gist has been published with the approval of the West Bengal Electricity Regulatory

Commission Place: Kolkata

(S. Mukhopadhyay) Chief Engineer (Regulation)

SI NO 359 M21



पश्चिम बंगाल WEST BENGARY PUBLIC

26AA 454512

BEFORE THE HONOURABLE WEST BENGAL
ELECTRICITY REGULATORY COMMISSION

Filing	No.	 
Caso	No	

IN THE MATTER OF:

Application for investment approval for Distribution System Improvement Schemes (DSIS) in the jurisdiction of West Bengal State Electricity Distribution Company Limited (WBSEDCL) in terms of regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended.

And

IN THE MATTER OF:

ATTESTED
S. CHAUDHURI
\* NOTARY
GOVT. OF INDIA
Regd. No.-6544/08

Bidhannagar Court Dist.-North 24 Pgs.

1 6 JUL 2021

West Bengal State Electricity Distribution Company Limited, Vidyut Bhawan, Block DJ, Sector – II, Bidhannagar, Kolkata – 700 091.

Sudgle Hunhopadhyny

Name:

Name:

Vendor:

Alipur Collectorate 24 Pgs. (S)

SUBHANKAR DAS

STAMP VENDOR

Alipur Police Court, Kol 27

I, Sri Sudipta Mukhopadhyay, son of Late Deb Kumar Mukhopadhyay, aged 57 years residing at 2 Kundan Bye Lane, Liluah Howrah – 711204 do solemniy affirm and say as follows:

- I am the Chief Engineer (Regulation) of the West Bengal State Electricity
  Distribution Company Limited, petitioner in the above matter, and am duly
  authorized by the said petitioner to make this affidavit for and on its behalf.
- 2. The statements made in paragraphs 1 to 11 herein now shown to me and marked with the letter "A" with Annexure (I-II) are true to my knowledge and nothing material has been concealed from the statements so made.

Solemnly affirm at Kolkata on this 16<sup>th</sup> day of July 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or nothing material has been concealed there from and misleading material included therein.

ATTESTED
S. CHAUDHURI
\*NOTARY\*
GOVT. OF INDIA
Regd. No.-6584/08
Bidhannagar Court
Dist.-North 24 Pgs.

1 6 JUL 2021

Sudifte Kuahopadhyy

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Identified By Me

Mawj Banu

ADVOCATE

MANOJ BASU Advocate Enrolment No.-F-247/2008 Bidhan Nagar Court Kolkata-700091

## Before the Hon'ble West Bengal Electricity Regulatory Commission

Filing No.	
Case No.	

In the Matter of :

Application for investment approval for Distribution System Improvement Schemes (DSIS) in the jurisdiction of West Bengal State Electricity Distribution Company Limited WBSEDCL) in terms of regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended.

AND

In the Matter of:

West Bengal State Electricity Distribution Company Limited, Bidyut Bhavan, Block -DJ, Sector -II, Salt Lake City, Kolkata -700091

### Respectfully Sheweth:-

- West Bengal State Electricity Distribution Company Limited, herein after referred as 1. WBSEDCL, is a distribution licensee with embedded hydel generation under Indian Electricity Act 2003 having its Head office at Bidyut Bhavan, Block -DJ, Sector -II, Salt Lake City, Kolkata - 700 091
- In terms of Regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended, the approval of the Commission for distribution project above rupees one hundred twenty five crore is mandatory.

#### Distribution System Improvement Schemes (DSIS) 3.

In order to meet the desired objective of 100% household electrification and to maintain it, WBSEDCL implemented various Govt. funded projects viz. RAPDRP, RGGVY, BRGF etc. apart from many other projects executed earlier from its own fund. Further different projects viz. DDUGJY, IPDS & SEEDN etc. are also being implemented in full swing and the assets created are gainfully utilized.

After implementation of above mentioned projects, interruption has been minimized significantly as well as quality of power supply has improved. To achieve/meet consumer satisfaction level, further demands/ necessity of continuing up-gradation of distribution networks along with introduction of further system improvement works is arising to maintain 24x7 power service and to improve quality of power. Considering all these, priority has been set to strengthen distribution networks with the option of creating 2<sup>nd</sup> 33 KV source of each 33/11 KV distribution sub-station from separate GSS sub-station in

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view of greater flexibility of 33 KV network. Accordingly, Distribution System Improvement Scheme (DSIS) for installation of new 33/11 KV Distribution sub-station, augmentation of existing substations and 33 KV system improvements has been considered also keeping an eye on improving voltage profile and loss reduction.

### 4. Salient feature of DSIS:

- Installation of 33/11 KV substations which were not considered under any other ongoing projects as mentioned in paragraph 3 above to accommodate future load growth, to enhance system reliability as well as to reduce technical loss.
- Drawal of 33 KV 2<sup>nd</sup> feeder from the separate GSS for existing 33/11 KV substations to increase reliability of power
- Augmentation / system improvement of 33 KV distribution system
- Augmentation of Power Transformers in existing substations

Detailed Project report for the scheme is enclosed as Appendix-I.

### 5. Key considerations in formulating DSIS:

- Entire license area has been considered for implementation of the scheme
- Works not covered under any ongoing projects as mentioned in paragraph 3 above have only been considered

### 6. Expected date of completion of the Project:

The work is presently under initiation process. Completion of all three phases of DSIS has been scheduled on 2022-23.

### 7. Total financial involvement of the scheme is as follows:

SI	Description of Work	Proposed allocated Quantity	Proposed allocated amount (in Cr.)
Installation of new 33/11 KV Sub-station and drawal of associated incoming and outgoing lines		2 Nos	18.45
Drawal of new 33 KV Line & evacuation of power at 33 KV & 11 KV from GSS to enhance system reliability		66.68	
3	Augmentation of Power Transformer in 33/11 KV substation	11 Nos.	19.03
4	Augmentation/System Improvement of LS 16.80 33 KV and 11 KV distribution system		16.80
5	Miscellaneous 33 KV & 11 KV system improvement work throughout West Bengal	LS	5.00
Total		•	125.96

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- 8. Accordingly, WBSEDCL approached M/S RECL for sanction of Rs 125.96 Cri. Er. of the DSIS as financial assistance. M/S RECL sanctioned 90% of the project cost i.e. Rs.113.36 Cr. as Rupee Term Loan Assistance ("RTL assistance"). Copy of the sanction letter is enclosed as Annexure-I. The issue of arrangement of balance 10% fund will be taken up, if requirement of such fund arises during execution of the project & Commission would be apprised accordingly along with IDC. However, presently IDC i.r.o the 90% of the total project cost has been derived as Rs. 11.62 Cr.
- 9. Board of Directors in 97<sup>th</sup> meeting dated 17.05.2021 has accorded approval of Rs. 125.96 (inclusive/exclusive of tax) for undertaking DSIS. copy of which is enclosed as **Annexure-II**
- 10. Year-wise phasing of expenditure under DSIS is planned as follows:

SL	Financial Year	Investment Plan (Rs. in Crore)
1	2020-21	25.00
2	2021-22	50.00
3	2022-23	50.96

### 11. Benefits of DSIS:

- Improvement of power quality and reliability
- Capacity enhancement of Distribution network to accommodate prospective load growth
- Improved voltage profile for furthest end consumers
- Ensuring improved voltage profile for the furthest end consumers
- Providing renewed thrust for improvement of Industrial and Agricultural growth of the State
- Inclusive growth and over all development of rural economy that would improve standard of living and quality of life of rural populace.
- Reduction of public commotion due to power outage

### PRAYER TO THE HON'BLE COMMISSION

The Petitioner humbly prays to the Hon'ble Commission to:

- (a) Approve total investment of Rs 125.96 Crores (Rupees one hundred twenty five Crores and ninety six Lakh) for all three phases under DSIS at 16 different districts of West Bengal in terms of regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended.
- (b) Pass an order as the Hon'ble Commission may deem fit and proper keeping in mind the facts and circumstances of the case.

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ANNEXURE-T

प्रानानी सहस्र विजली हर भर गोजना

हिंदी में पत्र व्यवहार कर देश का गौरव बढ़ाएं

असीमित कर्जा, अन्त संभावनाएं Endless energy. Infinite possibilities.

पंजीकृत कार्यालय

Kolkata-700091.

आर ई सी लिमिटेड / REC LIMITED

(Formerly Rural Electrification Corporation Limited)

भारत सरकार का उदयम/ A Government of India Enterprise

क्षेत्रीय कार्यालय: कोलकाता/ Regional Office: KOLKATA आईबी-186, सेक्टर-तृतीय, बिग बाजार के पास, साल्ट लेक सिटी

कोलकाता -700 106

Tel: 23356989, Fax: 23356990

E-mail: zmkolkata@recl.nic.in Website: www.recindia.nic.in

CIN- L40101DL1969GOI005095

कोर -4, स्कोप कॉम्प्लेक्स, 7, लोधी रोड, नई दिल्ली -110003

No. RECL/RO/KOL/WBSEDCL/P:SI/2021-22/03

Dated: 08-04-2021

CEDILRI 102 Dute 13-04-2021

The General Manager (F&A) West Bengal State Electricity Distribution Company Limited, 7th Floor, Vidyut Bhawan, Salt Lake, Sector-II,

**Sanction Letter** 

Subject: Sanction Letter for Financial assistance for 02 Nos Schemes of WBSEDCL for Distribution System Improvement Scheme (DSIS) works in all districts of West Bengal.

Reference: WBSEDCL application vide letter A/RE(L)/RECL/Genl./340 (A) dated 11.02.2021

Sir,

This has the reference to the Loan Application for financial assistance from RECL for the project under P:SI (distribution) category of West Bengal State Electricity Distribution Company Limited (WBSEDCL). The proposal has been considered by Competent Authority and accorded approval for extending Rupee Term Loan Assistance ("RTL assistance") with the following details of the schemes :-

State	West Bengal		
State Utility	WBSEDCL		
Name of scheme	DPR of Distribution System Improvement Scheme (DSIS) works		
Districts Covered	All districts of West bengal state		
Category	System Improvement (SI) Category		
Scheme Code	WB-TD-DIS-221-2021- 16351	WB-TD-DIS-221-2021-16352	Total
Project Cost (Rs crore)	59.28	66.68	125.96
Loan Amount (Rs crore)	53.35	60.01	113.36
% of Loan	90%	of the project cost	

- The aforesaid term loan is subject to the general terms and conditions set out in Annexure- I. Details of the sanction are enclosed at Annexure A, B and C.
- 2. The loan would be further subject to the conditions as set out in the Rupee Term Loan Agreement to be executed between the WBSEDCL and RECL.

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- 3. The sanction letter is hereby sent in duplicate and in case the above terms and conditions are acceptable, it is requested to return one copy of the same duly signed as token of acceptance of the terms and conditions of sanction within a period of thirty days from the date of receipt of this letter.
- 4. It is further stated that un-less the loan agreement and other documents relating to the above assistance are executed by WBSEDCL in such form as may be required by REC within six months from the date of this letter, or within such further time as may be allowed by REC in its absolute discretion, this communication should not be any way be construed as giving rise to any binding obligation on the part of RECL.
- 5. All the Annexures are deemed to be part of this letter.

Thanking you,

Yours Sincerely,

(J Banerjee) Sr Chief Program Manager

Enclosed: As above. (20 Pages)

### Copy to the following for kind information please:-

- 1. The Chairman & Managing Director, WBSEDCL, 7th Floor, Vidyut Bhawan, Kolkata-700091.
- 2. The Chief Financial Officer (CFO), WBSEDCL, 7th Floor, Vidyut Bhawan, Salt Lake, Kolkata -700091.
- 3. The Chief Engineer-Distribution, WBSEDCL, 1st floor, Vidyut Bhawan, Kolkata-700091.
- 4. The Chief General Manager (T&D), REC Corporate Office, New Delhi.
- 5. The Sr General Manager (F&A)-Loans, REC Corporate Office, New Delhi.

Chief Engineer (Regulation)
Regulation Department

WBSEDCL

ANNEXURE-II

EXTRACTS OF THE MINUTES OF THE 97TH MEETING OF BOARD OF DIRECTORS OF WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED HELD ON MONDAY, 17<sup>TH</sup> MAY, 2021

## 25. Project Term Loan of Rs.113.36 crore from RECL for Distribution System Improvement Scheme (DSIS)

Chief Financial Officer stated that WBSEDCL had undertaken a project namely Distribution System Improvement Scheme (DSIS) to improve quality and reliability of power supply apart from creating provision to accommodate future load growth. The project included installation of new 33/11kv sub-station, augmentation of capacity of existing sub-station, construction of new 33kv lines and upgradation of existing distribution network.

WBSEDCL had proposed for financial assistance of Rs.125.96 crore on 11.02.2021 to M/s Rural Electrification Corporation Ltd. (RECL) for DSIS as per DPR prepared from Distribution Head Quarter. RECL considered the proposal and agreed to sanction Project Term loan of Rs.113.36 crore vide their sanction letter no. RECL/RO/KOL/WBSEDCL/P:SI/2021-22/03 dated 08.04.2021.

Loan repayment period would be 15 years with 3 years moratorium for principal. As payment security Default Escrow Arrangement would be maintained. Security for the loan would be hypothecation of future assets, to be created in favour of RECL out of this loan. The applicable interest rate would be 10.25 % p.a. at present payable monthly with one year reset option. RECL had been requested to reduce the interest rate through letter dated 27.04.2021, reply of which was awaited. In future if RECL reduced the interest rate, the reduced interest rate would be applicable for the loan.

Chief Financial Officer stated the Major Terms and conditions of the sanction letter before the Board.

The Board discussed and passed the following resolutions:

"RESOLVED THAT the approval of the Board be and is hereby accorded for drawal of loan amounting to Rs.113.36 crore from M/s. Rural Electrification Corporation Ltd. (RECL) under the Scheme Code No. WB-TD-DIS-221-2021-16351 & 16352 on the terms and conditions as set out in the sanction letter no. RECL/RO/KOL/WBSEDCL/ P:SI/2021-22/03 dated 08.04.2021."

"RESOLVED FURTHER THAT As security, future assets to be created out of this loan shall be hypothecated in favour of RECL."

"RESOLVED FURTHER THAT Chairman and Managing Director, be and is severally authorized to approve acceptance / alteration/ modification of the terms and conditions of drawal of such loans as may be mutually agreed upon with due consideration of exigencies."

"RESOLVED FURTHER THAT Director (Finance), Financial Advisor & Chief Financial Officer, General Manager (F&A) - Corporate and Additional General Manager (F&A) be and is hereby authorized severally to sign all the documents for this purpose."

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

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"RESOLVED FURTHER THAT the common seal of the Company be affixed, as and when necessary, on the Loan Documents and on all such documents as may be necessary for availing the loan pursuant to clause 178 of the Article of Association of the Company."

Certified to be true

Aparna Biswas) 09/06/21

Company Secretary

WBSEDCL

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# **WBSEDCL**

Project Report

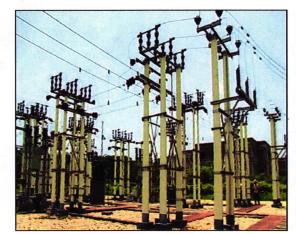
For

Distribution System Improvement Schemes

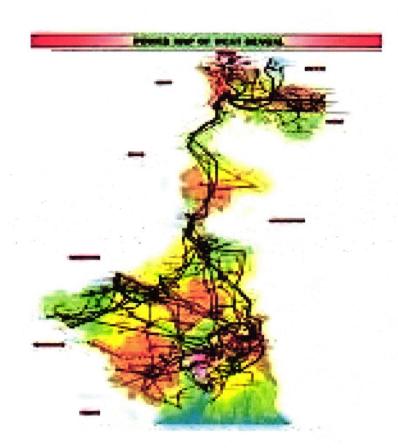
(DSIS)

In

West Bengal







## **PREFACE**

The West Bengal State Electricity Distribution Company Limited (WBSEDCL) is responsible for distributing power in the state of West Bengal at 33kV and below. WBSEDCL is a major state owned power utility of the state with consumer strength over 150 lakhs. It caters power to the 97% area of the state including difficult terrains of Himalayan range in the north and coastal islands in the south. It serves the people of the state through its Five Zones, eighteen regions and near about 509 Customer Care Centres The network assets of WBSEDCL includes 14,587 CKT-KM of 33KV line, 1,62,456 CKT-KM of 11KV line, 3,27,702 CKT KM of LT line, 2,48,698 Nos. of Distribution Transformers and 584 nos. 33/11 KV Sub-Stations. Besides the distribution business, WBSEDCL is also responsible for Hydroelectric generation in the state. It is also functioning as State Designated Agency (SDA) on behalf of BEE for furthering the cause of energy efficiency in the state.

Power is a critical input for prosperity and development. Again distribution of power at affordable price is also very much challenging. A few years back, the key focus areas in power distribution in west Bengal were creating new infrastructure to attain 100% household electrification and to maintain it efficiently with economic viability. To meet the desired objective WBSEDCL successfully implemented various Govt. funded projects e.g. RAPDRP, RGGVY, BRGF etc. apart from lots of projects executed from own fund. Now different project viz. DDUGJY, IPDS & SEEDN etc are being implemented in full swing. All these projects have already started giving substantial return as the assets created are gainfully utilized.

After implementation of above projects the distribution networks has designed in such a way that the interruption has been minimized as well as quality of power supply has improved to achieve consumer satisfaction level. So there is necessity for continuation of the process of up-gradation of distribution networks with introduction of some new works. Now the focus of the company is to improve quality and reliability of power.

## ABOUT THE SCHEME

### **OBJECTIVE**

The expectation of the consumers has increased manifold with the changing scenario. Quality and uninterrupted supply for 24X7 has become an essential requirement of the modern society. There has been a complete paradigm shift in the arena of customer service. More and more emphasis has to be given in ensuring quality power supply as well as to reduce the system downtime. Along with all kinds of consumer services, actions towards reduction of distribution loss need to be taken for financial survival of the utility and suitable schemes need to be formulated to bring down the losses. At this juncture we put priority to strengthen the distribution networks with option of 2<sup>nd</sup> 33KV source of each 33/11KV distribution sub-station from separate GSS sub-stn in view of greater flexibility of 33KV networks in case of failure of GSS Sub-stn along with Installation of new 33/11KV Sub-Station and augmentation of existing one with 33kv system improvement work to improve the voltage profile and reduction of losses.

With the above objectives, the instant project named DSIS (Distribution System Improvement schemes) has been prepared.

### Mission & Vision

Vision



To Be The Best Power Utility In India
In Terms Of Customer Service,
Efficiency And Financial Viability.

Mission



Our Mission is to supply
Uninterrupted and Quality Power to All.

## SALIENT FEATURE OF THE SCHEME

The scheme shall cover the following main components:

- > Installation of 33/11KV Sub-Stations which were not considered under any other ongoing projects to accommodate future load growth, for enhancing system reliability as well as reduction of Technical loss.
- $\triangleright$  Drawal of 33KV 2<sup>nd</sup> feeder from the separate GSS for existing 33/11 KV Substrate increase the reliability of power supply.
- > Augmentation / system improvement of 33kv distribution system
- > Augmentation of PTR in existing substation

It is primarily envisaged that the proposed scheme would benefit the consumers of WBSEDCL across the state covering 16 districts. Besides, a vast cross section of the society will also be benefitted by enjoying improved quality of power supply.

## KEY BENEFITS

- ✓ Improvement of power quality and reliability
- ✓ Capacity enhancement of Distribution network to accommodate prospective load growth
- ✓ Improved voltage profile for furthest end consumers
- √ To provide renewed thrust for improvement of industrial and agricultural growth of the state.
- ✓ Inclusive growth and over all development of rural economy that would improve standard of living and quality of life of rural populace.
- ✓ Reduction of Technical losses
- Reduction of financial burden of WBSEDCL by minimizing the T&D and ATC loss
  - Reduction of public commotion due to power outage.
- Enlightened image of the state at national level

## KEY CONSIDERATION IN FORMULATING THE SCHEME

- Entire licensee area of WBSEDCL has been selected for implementation of the project
- Works not covered under any ongoing project viz IPDS, DDUGJY, BRGF, NEF, SEEDN, Deposit scheme etc have only been considered
- The works under the scheme will be executed in FY 2020 -2021 and 2021-2022
   & 2022-2023

## SCOPE OF WORK

	works may be considered for FY-20-21,21	nay be considered for FY-20-21,21-22,22-23	
SL NO	DESCRIPTION OF WORK UNDER SEEDN PROJECT	Proposed allocated quantity	Proposed allocated amount (Cr)
1	Installation of new 33/11KV Sub-Station and drawal of associated incoming and outgoing lines	2 nos	18.45
2	Drawal of new 33KV line & Evacuation of power at 33kv & 11kv from GSS to enhance system reliability	288.308 km	66.68
3	Augmentation of PTR in 33/11kv substation	11 Nos	19.03
4	Augmentation / system improvement of 33kv and 11kv distribution system	LS	16.80
5	Miscellaneous 33kv & 11kv system Improvement work throughout West Bengal	LS	5.00
	TOTAL		125.96

Net assistance required - Rs 125.96 Cr

## YEAR WISE PHASING OF EXPENDITURE:

Year	Expenditure	
2020-21 :	Rs 25.00 Cr	
2021-22 :	Rs 50.00 Cr	
2022-23 :	Rs 50.96 Cr	
Total	Rs 125.96 Cr	

## Conclusion:

It is envisaged that after implementation of the schemes considered under the DSIS project, WBSEDCL will be benefitted in terms of technical loss reduction, improvement of power quality and creating provision for further load growth . Thus it will also be beneficial for all categories of customers of WBSEDCL related to the project sites.