West Bengal State Electricity Transmission Company Ltd.

(A West Bengal Government Enterprise)

Vidyut Bhavan, Block – DJ, Sector – II, Salt Lake, Kolkata – 700 091

NOTICE

Gist of the Application for Investment Approval of Transmission Projects

1. West Bengal State Electricity Transmission Company Limited (in short "WBSETCL") has submitted an application on 21/01/2021 to West Bengal Electricity Regulatory Commission (hereinafter referred to as "Commission") seeking investment approval for an estimated cost of Rs. 14490.21 lakhs in connection with establishment of different new transmission schemes 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 has been admitted by the commission on 09.02.2021 in Case No: OA-356/20 - 21.

2. The brief description of the scheme is as follows :

Sl. No.	Description	Project Cost (Rs in Lakh)
1.	Establishment of 132/33 kV Gas Insulated Sub-station at Gardwani and Associated Transmission System	7699.96
2.	Establishment of 132 kV D/C connectivity between Berhampur & Domkal and Associated Transmission System	6790.25
	Total Project Cost	14490.21

3. The Application dated 21/01/2021 submitted by WBSETCL may be inspected at the office of the Commission at Plot No: 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, Email : 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 laid down in West Bengal Electricity Regulatory Commission (Conduct of Business) Regulation, 2013 during office hours on all working days up to the last date of submitting suggestion and objections.

4. The application of WBSETCL for investment approval has been posted on the website of WBSETCL at ***www.wbsetcl.in***.

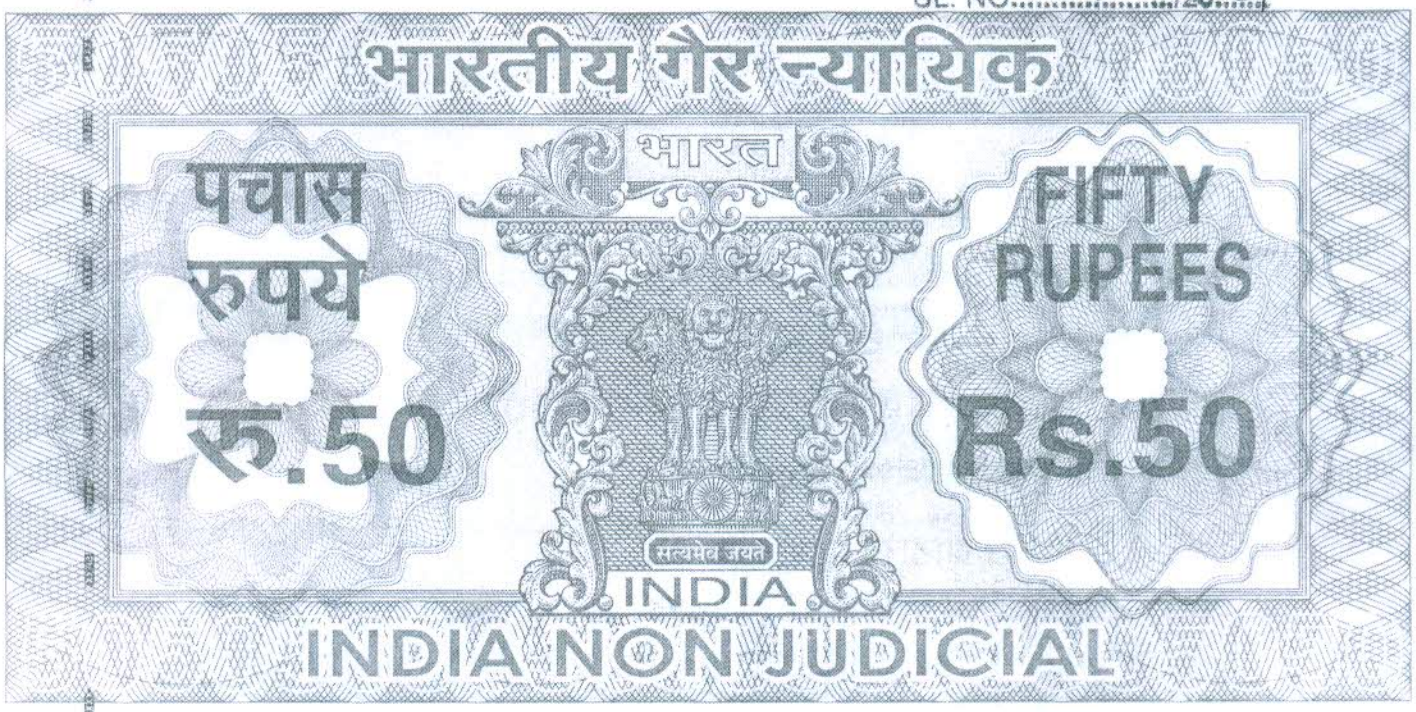
5. The Objections and suggestions, if any, on the proposals contained in the application may be submitted at the office of the Commission mentioned above within fourteen (14) days (including the date of publication) of publication of this notice in the newspaper.

6. The gist has been published with the approval of the Commission.

Place: Salt Lake, Kolkata
Date : 12/02/2021

(Asit Karmakar)
Chief Engineer (CPD)

SL. NO. 342 /20.21



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

BEFORE THE NOTARY PUBLIC
AT BIDHANNAGAR
DIST.-NORTH 24 PARGANAS

Z 999046

SUDIP CHAUDHURI
NOTARY
6584/2008
BIDHANNAGAR COURT 24 PGS. (N) GOVT. OF INDIA

BEFORE THE WEST BENGAL ELECTRICITY REGULATORY COMMISSION, KOLKATA

File no._____

Case no._____

In the matter of : Application for approval of incurring Capital Expenditure of an estimated cost ₹ 14490.21 Lakh for establishment of Gardwani 132 kV GIS & Berhampur – Domkal 132 kV D/C including associated transmission system. This is in terms of Regulation 2.8.2.3 and Paragraph 4.1 (vi) of Schedule–2 of the West Bengal Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2011, as amended.

AND

In the matter of : West Bengal State Electricity Transmission Company Limited, Vidyut Bhavan, Block – DJ, Sector – II, Bidhannagar, Kolkata – 700091.

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

20 JAN 2021

JASIT KARMAKAR
Chief Engineer
Chief Planning Department
WBSETCL

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প্রেরিতা W.B.S.E.T.C Hd. Bidyut Bhavan. Salt Lake. Kol-91

গ্রাং

এ. ডি. এস. আর. অফিস, মগরাহাট
দক্ষিণ ২৪ পরগণা
ভেণ্ডার ঃ আসাদুর রহমান

তাং স্বাক্ষর

0 1 SEP 2020

SUDIP CHAUDHURI
NOTARY
6584/2008
BIDHANNAGAR COURT 24PGS. (N) GOVT.OF INDIA

Affidavit verifying the petition / reply / application.

I, Sri Asit Karmakar, Son of Late Panchanan Karmakar, aged 59 years residing at Flat No. – 1B, Trina Co-operative Housing Society, Plot No. – BA 71, New Town AA-I, Kolkata – 700 156 do solemnly affirm and say as follows :

I am the Chief Engineer, Central Planning Department of the West Bengal State Electricity Transmission Company Limited (WBSETCL), petitioner in the above matter, and I am duly authorized by the said petitioner to make this affidavit for and on its behalf.

The statements made in the petition herein now shown to me and marked with the letter '**A**' are true to my knowledge and based on information received and are true to my belief and nothing material has been concealed from the statements so made of documents or supporting data etc. attached.

Solemnly affirmed at Kolkata on this 20th day of January, 2021 that the contents of this affidavit are true to my knowledge, no part of it is false of nothing material has been concealed there form and misleading material included therein.

Place : Kolkata
Date : 20/01/2021

(ASIT KARMAKAR)
Chief Engineer
Central Planning Department
W B S E T C L

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

Identified By Me
Angha Chowdhury
ADVOCATE

20 JAN 2021

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BEFORE THE HON'BLE WEST BENGAL ELECTRICITY REGULATORY COMMISSION

In the matter of : Application for approval of incurring Capital Expenditure of an estimated cost ₹ 14490.21 Lakh for establishment of Gardwani 132 kV GIS & Berhampur – Domkal 132 kV D/C including associated transmission system. This is in terms of Regulation 2.8.2.3 and Paragraph 4.1 (vi) of Schedule–2 of the West Bengal Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2011, as amended.

SUDIP CHAUDHURI NOTARY 8584/2008 BIDHANNAGAR COURT 24PGS (N) GOVT OF INDIA

AND

In the matter of : West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, Block – DJ, Sec – II, Bidhannagar, Kolkata –700091

Respectfully Sheweth :-

1. The petitioner is a Transmission Licensee under Electricity Act, 2003 having its Head Office at Vidyut Bhavan, Block – DJ, Sector – II, Bidhannagar, Kolkata – 700091.

2. In terms of Regulation 2.8.2.3 and Paragraph 4.1 (vi) of Schedule – 2 of West Bengal Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2011, as amended, the Transmission Licensee (WBSETCL) is required to seek Hon'ble Commission's approval prior to incurring capital expenditure. These regulations were notified in the Kolkata Gazette vide notification No. : 49/WBERC dt : 27/08/12.

3. Following New Transmission schemes are included in this petition. A list indicating the estimated cost against each scheme is enclosed in **Annexure – I**

Sl. No	Type of Works
A.	Establishment of 132/33 kV Gas Insulated Sub-station at Gardwani and Associated Transmission System
B.	Establishment of 132 kV D/C connectivity between Berhampur & Domkal and Associated Transmission System

4. A brief description of each of the schemes is given hereunder :

*A) **Establishment of 132/33 kV Gas Insulated Sub-station at Gardwani and Associated Transmission System.***

Establishment of 132/33 kV Substation at Gardwani in the District 24 Parganas (South) was contemplated to supply adequate, reliable & quality power supply in 24 Parganas (South) District in and around Joynagar, Harinarayanpur (Dakshin Barasat), Beliachandi (Gochran), Jamtala (Kultali). Establishment of EHV grid Substation in this region seemed essential for betterment of voltage and to cope up future load growth in this vicinity; as well as, to reduce over dependency of the sub-transmission system on Lakshmikantapur 220 kV Substation.

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Present installed capacity of 132/33 kV Transformer at Lakshmikantapur 220 kV SS is (3x50) MVA with maximum demand about 130 MVA (Oct-20). There is space constraint within Lakshmikantapur 220 kV to construct new 33 kV Feeder Bay as well as to install new transformer.

Joynagar 33/11 kV SS is located about 11 Km apart from Lakshmikantapur 220 kV and receive power through a 33 kV D/C line (direct). Present peak demand of this 33 kV Substation is over 37 MVA. Joynagar 33 kV has another connectivity with Uttarbhag 33 kV (generally draw power from Subhasgram 220 kV source).

Jamtala 33/11 kV SS with present maximum demand over 12 MVA is located about 42 KM (radially) from Lakshmikantapur 220 kV and receives power through 33 kV single circuit. This Substation has no alternative source.

Another 33/11 kV Substation at Beliachandi with present load demand about 19 MVA generally receive 33 kV power from Serakole 132 kV SS through a 33 kV S/C line. It has another 33 kV connectivity from Lakshmikantapur. Radial distance of Baliachandi 33 kV from nearest grid is about 20 KM.

Present Aggregated load demand of these Substations is about 45 MVA and they are facing low voltage problem mainly during peak hours due to heavily loaded long distance 33 kV line.

Another 33 kV Substation at Harinarayanpur is under construction within a short distance from proposed Gardwani 132 kV. About 8 MVA load mostly from Joynagar will be catered by Harinarayanpur 33 kV.

After establishment of the proposed Gardwani 132 kV GIS, Joynagar, Jamtala, Beliachandi and upcoming Harinarayanpur 33 kV sub-stations get 33 kV feed from Gardwani with shorter line length and as forecasted by WBSEDCL, to be incident the demand on Gardwani 132/33 kV GIS may reach up to 50 MVA during its' commissioning.

Establishment of 132 kV GIS in and around Joynagar / Shyamnagar with Associated Transmission line was prioritised by WBSEDCL (Ref: MOM of the Coordination meeting between WBSEDCL & WBSETCL chaired by CMD, WBSEDCL held on 04/01/2017).

Several inspections were carried out to demarcate suitable land to construct 132 kV GIS near Shyamnagar / Jamtala. Due to nonavailability of vested / Government land or free space within 33 kV Substations of WBSEDCL, it was explored to outright purchase of private land for establishment of 132 kV GIS.

Finally, a plot of Land at Mouza - Gardwani has been identified and the Engineering Dept. of WBSETCL has confirmed the suitability of said land for construction of 132 kV GIS.

Establishment of EHV grid Substation at Gardwani will strengthen the distribution network of WBSEDCL, which in turn cause betterment of quality of power supply in this vicinity and make the system capable to cope up future load growth. The line loss will be reduced in a good extent. With provision of adequate power supply, the socio-economic condition of the area will be improved.

Primarily, 132 kV D/C line from Lakshmikantapur 220 kV has been contemplated as 132 kV connectivity of Gardwani 132 kV GIS. To improve reliability of power supply from Gardwani 132 kV GIS another 132 kV D/C connectivity from Sonakhali has been contemplated in the approved perspective Plan of WBSETCL up to 2024-25.

Accordingly, after detail line route survey, estimate for Gardwani 132 kV GIS & Lakshmikantapur – Gardwani 132 kV D/C line with 2 no Bays at Lakshmikantapur has been prepared by Engineering Department based on latest cost data.

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Detail power flow study has been carried out to ascertain the improvement after implementation of the scheme over the present power scenario. According to study proposed connectivity/ configuration will be sufficient to cater projected load demand at the 33 kV Bus of Gardwani 132 kV, maintaining Bus voltage as per grid code even in N-1 contingency.

All the Substations in this District are sufficiently loaded; loading of 132/33 kV Transformers at Subhashgram, Sonarpur, KLC / Bantala, Kakdwip and Lakshmikantapur reaches to alarming stage (over 75% of installed capacity). Proposed Gardwani 132 kV was planned to offload Lakshmikantapur.

Joynagar, Jamtala & Beliachandi 33 kV Substations of WBSEDCL are suffering from acute low voltage problem due to huge load concentration through long distance 33 kV line. Voltage at 33 kV Bus reaches up to 26 kV during evening peak load period. Establishment of Gardwani 132 kV GIS will cause remarkable improvement in the voltage profile at 33 kV Bus of these Substations.

Establishment of Gardwani 132 kV GIS in 24 Parganas south & associated Transmission system was contemplated in the Rolling Plan of WBSETCL up to 2024 – 25, which was approved by the Board of Directors of WBSETCL in it's 69th meeting held on 12th July 2019. Rolling Plan up to 2024-25 was submitted to the hon'ble commission with our Tarif Petition and admitted by the Commission. Estimated cost for Gardwani 132 kV GIS with 132 kV bay extension at Lakshmikantapur and Lakshmikantapur - Gardwani 132 kV D/C (76 CKM) without cost of supervision & IDC was ₹ 84.60 Crore.

Same project was also incorporated in the Rolling Plan of WBSETCL up to 2025-26 which was approved by the BOD, WBSETCL in it's 76th meeting held on 28th December 2020.

Petition was earlier submitted on 25/10/2019 (OA-316/19-20) for obtaining investment approval to incur Capital Expenditure of ₹7454.15 Lakh to establish Gardwani 132 kV GIS & associated transmission system. Subsequently, exclusion of expenditure behind Gardwani 132 kV GIS & ATS was proposed on 13/03/2020 due to non-finalisation of land matter and delay in obtaining concurrence of the standing committee, Govt. of West Bengal.

Estimate for Gardwani 132 kV GIS & ATS has been revised as per current cost data and considering the cost involvement to purchase the land. The revised estimated cost comes to ₹7699.96 Lakh.

B) *Establishment of 132 kV D/C connectivity between Berhampur & Domkal.*

Najrpur 132 kV GIS was commissioned in January 2016 with 132 kV D/C connectivity from Amtala 132 kV Substation. Subsequently, in February, 2018, Domkal 132 kV GIS was commissioned with 132 kV D/C connectivity with Najirpur. Thus, both the 132 kV Substations are drawing feed from Amtala 132 through a 132 kV D/C overhead line that in turn get feed from Rejinagar 220 kV Substation through 2 x 132 kV D/C line.

Present maximum demand of Najirpur 132 kV GIS is about 48 MVA (Oct'20) and maximum demand of Domkal 132 kV GIS reaches up to 74 MVA (Sept'20). As, both these substations are sufficiently loaded, it is immediately required to create alternative source for these substations. After establishment of Berhampur – Domkal 132 kV D/C both these substations will be connected in a ring main.

Berhampur 132 kV Substation (with maximum demand of 103 MVA) has strong connectivity with Grid. It has 132 kV D/C connectivity each from Gokarna 400 kV Substation and Rejinagar 220 kV Substation.

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Berhampur – Domkol 132 kV D/C has been proposed to enhance transmission system reliability of the eastern part of District Murshidabad by creating alternative 132 kV source for Domkol 132 kV GIS. Najirpur 132 kV GIS in District Nadia will also be benefitted by this connectivity as it will be a part of 132 kV Ring main. During contingency, power can be extended up to Najirpur through this link.

Two no 132 kV AIS Bays at Berhampur and two no GIS bays at Domkal is to be constructed to establish Berhampur – Domkal 132 kV D/C connectivity and space is available at existing switchyard for this extension.

Establishment of Berhampur – Domkal 132 kV D/C was contemplated in the Rolling Plan of WBSETCL up to 2024 – 25, which was approved by the Board of Directors of WBSETCL in it's 69th meeting held on 12th July 2019. Rolling Plan up to 2024-25 was submitted to the hon'ble commission with our Tarif Petition and considered by the Commission. Tentative estimated cost for Berhampur - Domkal 132 kV D/C line (64 CKM) with 2 no 132 kV bay each at Berhampur & Domkal without cost of supervision & IDC was ₹ 40.52 Crore.

Same project was incorporated in the Rolling Plan of WBSETCL up to 2025-26 which was approved by the BOD, WBSETCL in it's 76th meeting held on 28th December 2020.

After detailed line route survey, estimate for establishment of Berhampur – Domkal 132 kV D/C with 2 no bay each at Berhampur & Domkal has been prepared by Engineering Department based on latest cost data. Total estimated comes to ₹ 5281.17 Lakhs without cost of supervision & IDC and ₹ 6790.25 Lakhs including supervision & IDC.

Internal Approval Reference of all these Projects :

Sl. No.	Name of the Project	Approved by	Approval Ref.	Reference TAA No with Date
1.	Gardwani 132/33 kV GIS & ATS Modification of initial TAA Order	BOD, WBSETCL MD, WBSETCL	69th meeting dtd. 12/07/2019 Dated 23/12/2020	CE/CPD/TAA/2019-20/85 Dt.22/07/2019 ***MODIFIED*** : CE/CPD/TAA /2019-20/85 MOD-1 Dt. 28/12/2020
2.	Berhampur – Domkal 132 kV D/C	BOD, WBSETCL	76th meeting dtd. 28/12/2020	CE/CPD/TAA/2020-21/ 105 Dt.30/12/2020

Present Status of all these Projects :

Tender for both the projects will be floated shortly after completion of Pre-Tender Engineering stage. Letter of Award (LOA) for implementation of the scheme will be issued after obtaining investment Approval from Hon'ble Regulatory Commission.

5. **Prayer :**

Hon'ble Commission may kindly consider the above scheme and approved the same for the purpose of tariff.

20 JAN 2021

(ASIT KARMAKAR)
Chief Engineer
Central Planning Department
W B S E T C L

SUDIP CHAUDHURI
NOTARY
6584/2008

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Annexure – I

Details of Project Cost including Supervision & IDC for following Sanctioned Transmission Schemes:

A. Establishment of 132/33 kV Gas Insulated Sub-station at Gardwani, 24 Parganas (South) and Associated Transmission System :		
Sl. no.	Description	Amount (₹ in Lakh)
1	Construction of Gardwani 132/33 kV GIS with 2 no 132 kV feeder bays, 2x50.0 MVA 132/33 kV Transformers, 12 no 33 kV feeder bays & 2x10 MVAR 33 kV Capacitor Bank. (including cost of land)	3548.55
2	Construction of 2 no 132 kV Line Bay at Lakshmikantapur 220 kV Substation for Gardwani 132 kV GIS	186.48
3	132 kV D/C Transmission line from Lakshmikantapur 220 kV Substation to proposed Gardwani 132 kV GIS (Route Length ≈ 25 KM).	2370.50
	Total Cost	6105.53
4	Supervision Charge	900.54
	Total Project Cost	7006.07
5	IDC	693.89
	Project Cost including IDC	**7699.96**
B. Establishment of Berhampur – Domkal 132 kV D/C Transmission line including extension of 2 no 132 kV Feeder bay each at Berhampur 132/33 kV Substation and Domkal 132 kV GIS :		
Sno.	Description	Amount (₹ in Lakh)
1	Construction of 2 no 132 kV GIS Line Bay at Domkal 132 kV Substation for D/C connectivity with Berhampur.	266.21
2	Construction of 2 no 132 kV Line Bay at Berhampur 132 kV Substation for D/C connectivity with Domkal.	416.84
3	132 kV D/C Transmission line from Berhampur 132 kV Substation to Domkal 132 kV GIS (Route Length ≈ 33 KM OH & 1.15 KM UG cable).	4598.12
	Total Cost	5281.17
4	Supervision Charge	792.18
	Total Project Cost	6073.35
5	IDC	716.90
	Project Cost including IDC	**6790.25**
	Grand Total	**14490.21**

20 JAN 2021

(ASIT KARMAKAR)
Chief Engineer
Central Planning Department
W B S E T C L

WEST BENGAL ELECTRICITY REGULATORY COMMISSION

Ref No. WBERC/OA-356/20-21/286 Dated, Kolkata, the 11th November, 2021

From :
Saibal Kanti Das,
Secretary

To:
The Managing Director
West Bengal State Electricity Transmission Company Limited (WBSETCL),
Vidyut Bhavan, 7th Floor, Block – DJ, Sector – II, Bidhannagar,
Kolkata – 700 091

Sub: Application for approval of incurring Capital Expenditure of an estimated cost Rs 14490.21 Lakh for establishment of 132/33 kV Gas Insulated Sub-station at Gardwani and Berhampur – Domkal 132 kV D/C line along with Associated Transmission System.

Ref: Your memo No. CE/CPD/WBERC/27 dt 21.01.2021.

Sir,

In inviting a reference to the above, I am directed to inform that you are required to publish a gist of the application, as enclosed, duly approved by the Commission within 5 (five) working days from the date of receipt of this communication, inviting objections, suggestions and comments from the public in terms of Regulation 2.8.2.3 of the West Bengal Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2011, as amended in at least 3 (three) daily newspapers widely circulated, at least one each of such newspapers being in Bengali and English. The gist shall also be published in your website.

I am further directed to advise you to comply with the following requirements:

(a) To arrange to affix the logo of your company along with the address on top of the Notice publishing the gist and name and designation of the official who issues the gist for publication at the bottom.

(b) To send to this Commission a copy of each of the relevant pages of the Newspapers publishing the gist of the application as soon as these are published.

Yours faithfully,

11/11/2021
Secretary

Encl : As above

Tel : (033) 2962 3756
Fax: (033) 2962 3757
Plot No – AH/5, Premises No. MAR 16-IIII, Action Area – IA,
New Town, Rajarhat, Kolkata - 700163
Email : cp-wberc@gov.in
Website: www.wberc.gov.in

(Please affix the Name of the Company with address and Logo)

NOTICE

Gist of the Application for Investment Approval of Transmission Project

1. West Bengal State Electricity Transmission Company Limited (in short "WBSETCL") has submitted an application on 21.01.2021 to West Bengal Electricity Regulatory Commission (hereinafter referred to as the "Commission") seeking investment approval for an estimated cost of Rs. 14490.21 lakhs in connection with establishment of different new transmission schemes 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 has been admitted by the Commission on 09.02.2021 in Case No: OA-356/20 - 21.

2. The brief description of the scheme is as follows:

Sl. No.	Description	Project Cost (Rs in Lakh)
1.	Establishment of 132/33 kV Gas Insulated Sub-station at Gardwani and Associated Transmission System	7699.96
2.	Establishment of 132 kV D/C connectivity between Berhampur and Domkal and Associated Transmission System	6790.25
Total Project Cost		**14490.21**

3. Application dated 21.01.2021 submitted by WBSETCL may be inspected at the office of the Commission at Plot No: 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 laid down in West Bengal Electricity Regulatory Commission (Conduct of Business) Regulations, 2013 during office hours on all working days upto the last date of submitting suggestion and objections.

4. The application of WBSETCL for investment approval has been posted on the website of WBSETCL at ***www.wbsetcl.in.***

5. The objections and suggestions, if any, on the proposals contained in the application may be submitted at the office of the 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 Commission.

Place:
Date:

Name and designation of the authorized signatory