

**Tamil Nadu Electricity Regulatory Commission,  
Chennai – 600 032.**

**NOTICE**

**Dt. 21.12.2021**

In the Miscellaneous Petitions No.39 of 2020, No.16 of 2021, and No.3 of 2021 filed by TANGEDCO, M/s. Ambiga Textiles, Commission in the hearing held on 31.8.2021 directed the Registry of the Commission to webhost the procedure for grid connectivity and open access in the website for seeking comments from the stakeholders.

Accordingly, the 'Detailed procedure for Grid Connectivity and grant of Open Access for the Transmission System' has been hosted in the Commission's website. The comments in both hard and soft forms may be sent to 'The Secretary, Tamil Nadu Electricity Regulatory Commission, 4<sup>th</sup> Floor, SIDCO Corporate Office Building, Thiru Vi Ka Industrial Estate, Guindy, Chennai-600 032. ([email-tnerc@nic.in](mailto:email-tnerc@nic.in)) on or before 21.01.2022.

Secretary  
Tamil Nadu Electricity Regulatory Commission

## **Explanatory Memorandum**

1. Open access envisages non-discriminatory access to the transmission and distribution network. Section 42 of the Electricity Act, 2003 mandates the Distribution Licensees to provide open access to eligible consumers subject to payment of cross subsidy surcharge, additional surcharge and other applicable charges. In furtherance of the provisions in the Act, Commission notified the Tamil Nadu Electricity Regulatory Commission (Grid Connectivity and intra State Open Access) Regulations 2014 (hereinafter referred to as Open Access Regulations).

2. This Open Access Regulations 2014 is in effect from the date of notification i.e 14.5.2014. Regulation 43 of the Open Access regulations 2014 require that the STU and the Distribution Licensee frame a detailed procedure, in particular the application for connectivity, agreement, proforma of application for open access with other required details, invite public comments and submit the details of comments with reasons for acceptance or non acceptance.

3. Accordingly, the STU after publishing the detailed procedure with respect to Connectivity and Open Access in their public domain for views of stakeholders has submitted the procedure for approval of the Commission along with the comments received and the STU's reply to the remarks of stakeholders.

4. Certain issues in regard to the process of obtaining open access viz open access to captive consumers, formats for issuing 'No objection certificate' were under judicial scrutiny. The issue of providing documents by captive plants/captive users have been resolved in the order in A.No.131 of 2020 by Hon'ble APTEL. On the issue of 'NOC'

format, the Hon'ble Madurai Bench of High Court, Madurai in W.P.(MD) No. 16564/2019 had directed TANGEDCO to host the proposed changes in their web site, invite objections/remarks from all stakeholders and place before the Commission their response to the objections raised by the stakeholders and the Commission shall take the final call in the matter.

5. Miscellaneous petitions in M.P.No.39 of 2020, M.P No.3 of 2021 and M.P No.16 of 2021 are before this Commission to settle the issues in the Procedure for grant of connectivity and open access. In consideration of views obtained by the STU and in accordance to the directions in M.P No.39 of 2020, M.P No.3 of 2021, M.P 16 of 2021 to the registry of the Commission to host the procedure in consideration of views expressed by stakeholders and the petitioners in the aforesaid cases, the 'Detailed Procedure for Grant of Connectivity to the intra State transmission system and grant of Open Access' is hosted for views/suggestions from stakeholders.

Secretary  
Tamil Nadu Electricity Regulatory Commission

**DETAILED PROCEDURE**

**FOR**

**GRANT OF CONNECTIVITY TO**

**THE INTRA STATE**

**TRANSMISSION SYSTEM**

**AND**

**OPEN ACCESS**

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## Procedure for Grid Connectivity

### 1. OUTLINE

- 1.1. This Procedure is evolved in accordance to Regulation 43 of the Tamil Nadu Electricity Regulatory Commission (Grid Connectivity and Intra State Open Access) Regulations, 2014 (herein after referred to as Regulations) and its various other provisions. All applicants shall abide by the provisions of the Regulations, as amended from time to time, and the procedures laid down hereunder.
- 1.2. This Procedure shall apply to the Applications made for Grant of Connectivity to the Intra State transmission system of the STU / Transmission licensee at 66 kV level and above on or after the date notified by the Commission of coming into force of the Regulations. This procedure shall be read with the provisions of these Regulations, Electricity Act 2003 and prevailing TNERC Regulations / Orders.
- 1.3. **Connectivity:**
  - 1.3.1 Any consumer having contracted demand of 10 MW and above or a consumer availing supply at 66 kV and above or a Generating station having capacity of 15 MW and above or a Generating station requiring connectivity at 66 kV and above shall be eligible to obtain connectivity to the intra State Transmission system and shall apply for connectivity as per this procedure, unless already connected.
  - 1.3.2 The **nodal agency** for grant of connectivity, long term, medium term and short term open access shall be the agency notified in the Regulations.
  - 1.3.3 Open Access customers already connected to the grid shall not be allowed to

apply for additional connectivity for the same capacity. In case of enhancement of capacity, they shall be required to make application of connectivity as per the provisions of the Regulations. In case of reduction in capacity, approval shall be obtained from the nodal agency as notified in Regulations.

1.3.4 Applications for grant of connectivity shall normally be submitted to the Chief Engineer / Grid Operation, III Floor TANTRANSCO Building, 144, Anna Salai, Chennai – 600002. At present, the State Load Despatch Centre (SLDC) is not equipped to handle applications from all categories of generators. Till such time the SLDC is equipped to handle all applications, applications shall be submitted to the officers as below or as may be notified by the STU (State Transmission Utility):

Sl.No.	Description	Authority (Nodal Agency)
1.	For grid connectivity at 66 kV and above:  (a) Fossil fuel based generating plants/Co-gen plants (Non-RE)  (b) Renewable Energy generators	Chief Engineer/Grid Operation, III Floor, TANTRANSCO Building 144, Anna Salai, Chennai – 600 002.  Chief Engineer/Non Conventional Energy Sources, II Floor, Eastern wing, NPKRR Maaligai, 144, Anna Salai, Chennai – 600 002.

1.3.5 Applicant granted 'connectivity' will be required to sign connection agreement with the licensee prior to the physical inter connection. In case the connectivity is granted to the intra-State transmission system of an intra-State



transmission licensee other than the State Transmission Utility, a tripartite agreement shall be signed between the applicant, the Superintending Engineer / Operation Circle concerned and such intra State transmission licensee, in line with the provisions of the Regulations. The nodal agency shall always have a copy of the agreement.

**2. Procedure to submit application form, documents and payment of fee:**

- 2.1. The application for grant of connectivity shall be made in the prescribed format **(Format - I)** along with documents mentioned in the format of application. The application shall contain details such as geographical location of the generation project, quantum of power to be interchanged, that is, the quantum of power to be injected in the case of a generating station including a captive generating plant and quantum of power to be drawn in the case of a consumer, unit wise commissioning schedule etc.
- 2.2. Connectivity shall be granted at appropriate system voltages based on technical guidelines on loading of lines for generators and as stipulated in Regulations/ Codes for consumers. The generators shall be connected to the substation by a separate feeder and no distribution loads will be permitted to be connected in such feeders.
- 2.3. In order to assess preparedness of the applicant for receiving connectivity, an applicant is required to submit along with the application, documents, as detailed below and as applicable, in support of having initiated specific action with respect to project preparatory activities:

1.	Site identification and land acquisition	Land required; present stage of acquisition; expected date of completion of acquisition.
2.	Environment clearance	The details of submission of application to the concerned authority and its status(first level submission)
3.	Forest clearance (if applicable)	The details of submission of application to the concerned authority (First level submission).
4.	Fuel arrangement	Quantity of fuel required for the installed capacity; source of fuel; agreement executed for fuel supply; stock of fuel.
5.	Water linkage	Quantity of water requirement; application made; status of approval by appropriate authority.

2.4 The applicants who are applying as CGP shall maintain CGP status as per Rule 3 of Electricity Rules. The applicant shall furnish prescribed documents as per Commission's orders read with provisions of the Act/Rules/Regulations while applying for grid connectivity.

2.5 The applicant shall indicate the location of consumers where power is proposed to be transmitted / wheeled. If it is not possible to indicate the location of consumers, the Circle / Region to which power is to be transmitted/ wheeled has to be indicated. In case, if applicant is a consumer, the applicant shall indicate the location of generator from where the power is proposed to

be received. This is required to ascertain the power flow while examining grid connectivity.

## **2.6 Application fee for Connectivity:**

2.6.1 The application for connectivity to the intra state transmission system shall be accompanied by a non-refundable fee as specified in the Regulations as follows.

Sl.No.	Quantum of power to be injected	Application Fee in Rs Lakhs*
1	Upto 100 MW	2
2	More than 100MW and upto 500 MW	3
3	More than 500MW and upto 1000 MW	6
4	More than 1000 MW	9

\*Taxes extra as applicable

In case of co-generation and generation of electricity from renewable Energy sources, the application fee shall be 50% of the normal fee.

2.6.2. The application fee (excluding Service tax/ GST) is inclusive of the charges for any load flow/system studies to be conducted by the STU.

2.6.3. The application fee shall be paid as notified by STU / Licensee.

2.6.4. The date of receipt of application in complete shape by the STU will be reckoned as the date of registration and an acknowledgement will be furnished for the same to the applicant.

- 2.6.5 Applications incomplete or not in conformity with the Procedure/ Regulations shall be rejected and the same will be informed to the applicant and application fee already paid will be forfeited.
- 2.6.6 In cases where once an application has been filed and thereafter there is any material change in the location of the applicant or change by more than 10 % in the quantum of power to be interchanged with the intra State transmission system, the applicant shall make a fresh application along with applicable fees and the already filed application shall be considered disposed and application fee forfeited.
- 2.6.7 An application by collective generators shall be considered by STU only if all the generators, whose aggregate capacity is connected at the single connection point, formalize a written agreement among themselves that the lead generator shall act on behalf of all generators to undertake all operational and commercial responsibilities for all collective generators as provided in the Regulations.
- 2.6.8 If any applicant has already been granted connectivity but the process of construction by the STU/Transmission licensee or by the generating company has not yet started and the applicant subsequently applies afresh with material changes or change by more than 10% in the quantum of power to be interchanged, then the already granted connectivity shall stand cancelled.
- 2.6.9 The load flow studies are carried out corresponding to the commissioning schedule proposed by the generator at the time of Grid connectivity application. Hence, the generator shall adhere to the commissioning schedule proposed at the time of application.

2.6.10 Application for any minor changes i.e. material change in location or change within 10% of installed capacity shall have to be re-submitted in the same application format marked as 'revised'.

### **3 Grant of connectivity:**

3.1. On registering of the application received in complete shape, the STU shall carry out interconnection study as provided in the Regulation 6 of Grid Connectivity and Intra State Open Access Regulations 2014 to ascertain the feasibility of connecting the generator with its network and convey its decision on grant of connectivity or otherwise **within 30 days from** the date of receipt of application in complete shape, furnishing details as in sub clause 3.3 of this clause.

3.2. Every applicant shall construct a dedicated line to the point of connection to enable connectivity to the STU/Transmission licensee's system in accordance to Regulation 6 of the Commission's Grid connectivity and Open Access Regulations, 2014.

3.3. While conveying the decision for grant of connectivity as in para 3.1 to the applicant, the following shall be informed:

- i. Based on the results of the study, the applicant will be informed of the proposed interconnection line/dedicated transmission line for connectivity with broad design features, the substation / pooling station/ switchyard/ point of connection to which the line is to be connected. In case connectivity is to be granted by looping-in and looping-out of an existing or proposed line, the point of connection and name of the line at which connectivity is to be granted shall be specified.

- ii. The applicant shall arrange to provide pooling station / switchyard facilities (that includes transformers, structures, breakers, CTs, protection arrangements, data communication system which includes online data transfer to SCADA server and AMR data transfer etc.) at their end.
  - iii. The details of augmentation to be carried out to accord connectivity shall be specified. In case of augmentation, the applicant shall bear the cost of bay extension and initial testing and commissioning.
  - iv. In the case of STU carrying out the works of constructing dedicated line, the estimated amount shall be deposited to the STU.
  - v. The timeframe for completion of the dedicated line may be informed by STU or the applicant as the case may be.
- 3.4. The applicant shall convey concurrence or otherwise for the proposal of STU to grant connectivity **within 30 days of receipt** of proposal informing the time period for construction of dedicated line failing which the STU may cancel the application. Thereafter, a fresh application with necessary fee shall be submitted by the generator.
- 3.5. On concurrence, a power evacuation scheme (connection) agreement in the format (**Annexure-I**) shall be executed by the applicant with Superintending Engineer / Operation Circle concerned or Licensee as the case may be (prior to the physical interconnection). Only after the execution of above power evacuation scheme agreement, the applicant may proceed further towards grid connectivity of their power plant, failing which STU reserves the right to cancel the application without any further notice.

- 3.6. The consumers who wish to avail open access as per the provision of ISOA Regulations 9 (3) & 9 (6) can only seek grid connectivity through independent feeder provided that the consumers who are not on independent feeders, shall be allowed open access subject to the restrictions in the feeders serving them in line with the Commission's Regulations / Codes / Orders.
- 3.7. The entire cost of extension from sub-station to the consumer and including the bay provision at SS end, take off arrangement, applicable O&M charges etc., is to be borne by the consumer subject to the availability of bay and way leave provisions.
- 3.8. In the event, the consumer does not avail open access for a period exceeding 6 months, the independent feeder status will be withdrawn and they will be treated on par with other consumer.
- 4. Connectivity agreement with existing generators:**
  - 4.1 The existing generators connected at various voltage levels shall continue the same as per the provisions of the executed agreements. However, the provisions of this Regulations and procedure for connectivity shall also be applicable. The generators shall be connected to the substation through a separate feeder and no distribution loads will be permitted to be connected in such feeders.
- 5. Estimation of cost, construction of dedicated transmission line, payment of charges:**
  - 5.1. STU shall furnish estimate for cost of bay / switching station as the case may be including, switchgear and protection arrangement and supervision charges after the execution of power evacuation scheme/ Connection agreement. The

generator / consumer shall pay the cost within 30 days of receipt of estimate failing which the STU / transmission licensee reserves the right to cancel the application without any further notice. Thereafter, fresh application with application fee is to be submitted by the applicant if connectivity is required.

5.2. STU / transmission licensee shall carry out bay works, augmentation etc., after payment by the generating company / consumer.

5.3. The applicant has to erect the **dedicated transmission line** by themselves in accordance with provisions of section 9, 10(1) of the E-Act, 2003, as per the design features communicated and under the supervision of STU's officials. The cost of augmentation of licensee's substation includes cost of bay provision / provision of switching stations as the case may be, switchgear, other equipments, protection arrangements, data communication system including online data transfer to SCADA server and AMR data transfer, testing and commissioning etc, which shall be borne by the applicant. The ownership of the interface line (dedicated line from their plant to the point of connection) if erected by the generating company under section 9 or 10(1) of the E-Act, 2003 will rest with the generating company and the company shall operate & maintain the line by themselves subject to getting clearance from the appropriate agency / officials before taking up any preventive / break down maintenance works. The entire responsibility of safety of company's personnel rest with the company and the licensee will not be responsible for any untoward incidents and not liable to pay any compensation in this regard. However, the maintenance of bay equipments at the substation / switching stations as the case may be where the interfacing line gets terminated will be operated and



maintained only by the licensee subject to the condition that the cost of maintenance and spares as may be notified by the licensee from time to time shall be borne by the company.

- 5.4. The bills shall be raised by the licensee towards bay / switching station maintenance as the case may be on annual basis and the generator shall pay the amount within 5 working days of receipt of bill.
- 5.5. In case of delay in execution of works either by the generating company or STU, in both the cases the parties can mutually agree for revised schedule of completion of works.
- 5.6. On completion of power evacuation scheme works Grid connectivity approval to intrastate transmission system shall be accorded by the nodal agency.
- 5.7. Subsequently, the applicant shall sign grid connectivity agreement in the enclosed format (**Annexure –II**) with the Superintending Engineer / Operation Circle concerned / licensee where connectivity is being granted, within 15 days of receipt of approval for connectivity. Initially Power Evacuation Scheme Agreement as per clause 3.5 of this procedure is executed confirming the Power Evacuation Scheme and this Grid connectivity Agreement is executed after ensuring the completion of Power Evacuation Scheme in all aspects as per STU / licensee standards.

**6. Interchange of power with the grid:**

- 6.1. The grant of connectivity shall not entitle an applicant to interchange any power with the grid unless the applicant obtains long term open access, medium term open access or short term open access as the case maybe in accordance with

the provisions of the Commissions Open Access Regulations in force and subsequent amendments.

- 6.2. Any interchange of power with grid without any type of valid open access shall not warrant any payment to be made by any licensee. Besides such quantum of power will not be adjusted against any consumption. Such interchange of power shall be in violation to the Grid connectivity and Intra State Open Access Regulations, 2014 and shall be dealt with in accordance with the provisions of the Electricity Act, 2003. The provisions of this sub-clause shall not be applicable to the energy exchange specified in sub clause 3 of this clause.
- 6.3. Before availing any open access, the generator including captive generating plant / co-gen plant which has been granted connectivity to the grid shall be allowed to pump infirm power into the grid during testing including full load testing before its COD for a period not exceeding six months from the date of first synchronization after obtaining prior permission of the concerned SLDC / licensee. For any extension of period for testing, full load testing and consequent injection of infirm power by the unit beyond six months the generator shall approach the Commission at least two months in advance of the completion of the six month period.
- 6.4. The onus of proving that the injection of infirm power from the units of the generating station is for the purpose of testing and commissioning shall lie with the generating company and the SLDC shall seek such information on each occasion of injection of power before COD. For this, the generator shall provide SLDC sufficient details of the specific testing and commissioning activity, its duration and intended injection etc. Such details shall also be shared with the distribution licensee. The company has to get specific approval of Distribution licensee for injecting infirm power, who has to pay for the same, before effecting connectivity. Commercial treatment including the tariff for such infirm

power from a generating station or a unit thereof will be governed by the concerned Regulations / Orders in force issued by the Commission from time to time.

- 6.5. On completion of all erection works (generator / lines etc) by the generating company as well as by the STU, provision of ABT meter with DLMS facility and establishment of online data connectivity with AMR server at SLDC, the company shall inform STU for obtaining grid connectivity approval and concurrence of synchronization of generator with the transmission system and STU shall issue grid connectivity approval and concurrence for synchronization, taking into account the field condition.
- 6.6. Synchronization of the generating unit with the transmission system shall be permitted only after ensuring proper protection arrangement by officials of STU and after obtaining necessary statutory clearances like consent to operate from MOEF/TNPCB, clearance from various authorities such as CEIG etc. The synchronization (for the first time) shall be in presence of the officials of STU and shall be with consent of SLDC.
- 6.7. It is the sole responsibility of the generator to declare COD of the generator. The date of declaration of COD and the capacity of the individual unit shall be final. In case of combined cycle plant, the date of COD will be reckoned with the declaration of commercial operation of combined cycle. Further, the capacity declared on COD shall not exceed the manufacturers rated capacity (Maximum Continuous Rating as per design).
- 6.8. At the time of synchronisation as well as at the time of COD, meter readings at interface point shall be taken.
- 6.9. The generator shall be synchronized in presence of TANGEDCO/TANTRANSCO officials. Payment for the energy pumped if any for testing and commissioning purpose from the date of synchronization till

declaration of COD shall be aid as per the provisions of the commission's Tariff regulations as amended from time to time. On attaining, the company shall furnish he details of energy pumped till the date of COD to the nodal agency and TANGEDCO. Necessary clearance shall be obtained from SLDC before pumping energy into the grid before testing and commissioning.

**7. Provision of interface meters:**

- 7.1 ABT meters with DLMS facility: ABT compliant interface meters with DLMS facility shall be installed as specified in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, and in accordance to the Commissions Grid connectivity and intra State Open Access Regulations, 2014. The meters shall have facility for communication of data on real time basis to SCADA server and AMR data transfer suitable to the protocol specified by STU / licensee.
- 7.2 The check meters (ABT meter) shall be provided by the STU or if the licensee, requests the generator to provide the same, the cost of the meter will be reimbursed / adjusted with the bills on submission of proper invoice.
- 7.3 Generators shall install energy accounting meter(s) which are ABT complaint with DLMS facility and communication facilities (Modem or DCU) in order to record generation in each units and auxiliary consumption, as per CEA Regulations 2006 and subsequent amendments thereof. Generator shall establish day survey, load survey and instantaneous data transfer facility to the servers at SLDC.
- 7.4 At the time of submitting application for grid connectivity the applicant shall incorporate the location of all ABT meter(s) (interface & Energy accounting) proposed to be provided as mentioned above in the single line diagram.

7.5 After approval of location of meters, the generating company shall not shift the meters without specific approval of Transmission / distribution licensee.

**8. Startup power:**

8.1 The generators shall approach the Distribution licensee (the concerned Superintending Engineer of the Electricity Distribution Circle in whose jurisdiction the generating plant exists) for obtaining start up power from the grid. The generating company at the time of submitting the application for grid connectivity shall indicate the requirement of startup power if required and the demand required for such start up power.

8.2 The startup power will be permitted only within the percentage approved by the Commission. This power is to be used only for startup operation after declaration of COD. The period of startup power will be as specified in the Regulations.

8.3 However, during construction period the generators shall avail power for construction on temporary basis by filing a separate application to the distribution licensee. Supply obtained for the construction period shall be paid at appropriate tariffs as fixed by the Commission in its tariff order from time to time.

**9. Application for Mere Parallel operation:**

9.1 Application in the prescribed format (**Format - I**) shall be submitted along with necessary documents and with non-refundable fee specified in clause 2.6.1 of this procedure.

9.2 In case parallel operation is not feasible with the existing line & substation and if any augmentation is required, the same will be communicated to the generator. The generators seeking parallel operation shall construct a

dedicated line to the point of connection to enable connectivity to the transmission system.

- 9.3 In case of feasible parallel operation with the existing dedicated transmission line & substation, the generator shall bear / pay the cost of the existing dedicated transmission line to STU.
- 9.4 The procedure for parallel operation of the generators with Grid shall be the same as the procedure mentioned for grid connectivity of generators with evacuation into grid.
- 9.5 On receipt of approval, the applicant shall execute agreement for grid connectivity with the STU within 15 days of receipt of approval.

**10. Parallel Operation Charges:**

- 10.1 The generators have to pay parallel operation charges as notified by the Commission in the Grid Connectivity and Intra State Open Access Regulations, 2014 and subsequent amendments / orders.

**11. General:**

- 11.1 Where a dedicated transmission system used for open access has been constructed for exclusive use of an open access customer by the STU / transmission licensee, the additional transmission charges for such dedicated system shall be worked out by the licensee and got approved by the Commission and shall be borne entirely by such open access customer till such time the surplus capacity is allotted and used by other persons or for other purposes.
- 11.2 In case, the intra state transmission system or distribution system is used by an open access customer in addition to inter-state transmission system, transmission charges and wheeling charges as fixed and approved by the

Commission shall be payable for use of intra-state system in addition to payment of transmission charges for inter-state transmission.

- 11.3 The applicant shall abide by the provisions of the Electricity Act, 2003, Rules framed there under, Commission's Regulations / Orders as amended from time to time. The Captive Generating Plants, Co Generating Plants shall abide the relevant rules, orders, instructions of Ministry of power, Regulations / Order issued by the State Commission in all aspects such as CGP / Co-gen status, holding of equity, proportion of energy consumption etc.
- 11.4 This procedure aims at easy and pragmatic disposal of applications made for Connectivity to ISTS. However, some teething problems may still be experienced. The various implications would be known only after practical experience is gained by way of implementing these procedures. In order to resolve the same, this procedure shall be reviewed or revised by the Nodal agency with prior approval of the Commission.

**12. Verification of Co-Generating Plant Status:**

- 12.1 The Co-gen holder shall furnish necessary documents and maintain Co-gen status as per MOP resolution A-40/95- IPC-1, dt.06.11.1996 and TNERC's order No.4, dt.15.05.2006.

**13.0 Captive Generating plant**

- 13.1 The captive generating plants, shall maintain CGP status in accordance with Rule 3 of Electricity Rules 2005 and shall furnish the prescribed documents and formats as per the approved procedures for verification of CGP status.

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## FORMAT – I

### Application form for grid connectivity at voltages above 33 kV

Sl. No.	DETAILS REQUIRED	PARTICULARS
<b>1</b>	<b>Details of the Applicant</b>	
A	Full Name of the Applicant	
B	<p>Full Address of the Applicant</p> <p>(Please furnish addresses of Head Office, Registered Office, Site Office, Local Office etc)</p> <p>(If Site Office, Local Office etc have not been established as of now, the same may be furnished as soon as they have been established)</p>	
C	<p>Name and Designation of Authorized person(s) in various offices with Contact Land line Numbers, Mobile numbers, Fax Nos., E-mail ID etc.</p> <p>(i) For the purpose of signing correspondences;</p> <p>(ii) For signing of documents such as agreements etc.</p>	
D	Name and Designation of Contact person(s) in various offices with Contact Land line Numbers, Mobile numbers, Fax Nos., E-mail ID etc.	
<b>2</b>	<b>Details of Ownership</b>	
A	<p>The power plant is set up by</p> <p>(Please clearly specify A person / Association of persons / Co-</p>	



		Operative society / others)	
	B	Incorporation of the company  Date of incorporation / Registration / Place of incorporation / Registration No. / Date of commencement of business	
	C	Name and address of the Director(s) with Contact Land line Numbers, Mobile numbers, Fax Nos., E-mail ID etc.	
	D	Details of Principal share holders / Partners / Members / Captive users with Contact Land line Numbers, Mobile numbers, Fax Nos., E-mail ID etc..	
	E	Whether Generator, for own use/Captive Generating Plant.	
	F	Percentage of power to be consumed at the plant itself.	
<b>3</b>		<b>Details of Investment proposed</b>	
	A	Total project cost Rs. Crores  (Also furnish with currency of investment, exchange rate adopted, etc.)	
	B	Term loan component in Rs. Crores  (Foreign loans with currency, exchange rate, interest rate etc may be furnished. Similarly for domestic loans the details may also be furnished)	

	C	Source of funding of loans (As proposed / finalized.)	
	D	Debt : equity ratio proposed	
	E	<b>Break up of equity</b>  (Authorized preferential share capital, authorized equity share capital, equity proposed to be held by the promoters)	
	F	<b>Promoters contribution</b>  a) Preferential share capital b) Equity share capital	
	G	Captive users contribution  Equity share capital	
	H	Percentage of Owner ship  a) Promoters b) Captive users c) Others	
	I	Confirmation that not less than 26 % of ownership is held by the captive users  Say yes or no.  If yes, furnish prescribed documents as per Commission's orders read with provisions of the Act/Rules/Regulations.	
<b>4</b>		<b>Details of Generating Plant</b>	
	A	Name of the <b>Generating Plant</b> with	

		postal address of site location	
	B	<p><b>Physical Location of the Generating Plant</b></p> <p>SF No. / Village / Town, Taluk, District (furnish a topo map and showing the location of the Generator's site, nearby substations of Board and other land marks etc to physically identify the location of Generator)</p> <p>(In addition to the topo map a neat sketch – not to scale may also be furnished).</p>	
	C	<p>Type of Generating plant</p> <p>Fossil fuel plant / Co – Generation plant / Waste heat recovery plant etc.</p>	
	D	<p>Type of Primary fuel proposed in case the plant is a Fossil Fuel based one.</p>	
	E	<p>Whether fuel linkage has been arranged, if so furnish complete details such as source etc.</p> <p>(Agreements if any already executed, copy may be furnished.)</p>	
	F	<p>Whether all the statutory clearances such as TNPCB, MOE&amp;F, Civil Aviation etc. have been obtained.</p> <p>Copies of clearances obtained may be furnished. Action plan for the other clearances may be furnished.</p>	

		Copies of such clearances may be furnished as and when the same is received.	
	G	Proposed plant capacity in MW (Furnish split up details)	
	H	If Co – generation plant / Waste heat recovery plant etc (Please furnish type of industry, Process diagram and write up. Also furnish the supporting fuel proposed and details about the linkages etc)	
	I	Whether <b>Generating Plant</b> is to run in parallel with STU Grid, If so the probable interfacing voltage at which paralleling to be done may be indicated.	
	J	Whether the generator is a stand – by set and will have to be run at the time of emergency only and will not feed power to the grid system of STU	
	K	Whether <b>Generating Plant</b> is to run in isolation i.e. in standalone mode and may require emergency power supply from Distribution licensee/TANGEDCO for startup purpose  If yes, details of requirement of backup power from Distribution licensee/TANGEDCO and voltage of supply (A separate application seeking HT supply to be submitted to Superintending Engineer of Distribution circle concerned where the generator is located).	
	L	Voltage level at Generator end	

	M	Voltage level at Grid interface point	
	N	Phase and Frequency in Hz.	
	O	Other Technical specifications (Furnish full Technical details)	
	P	Name of nearby Sub-Station and voltage level	
	Q	Whether you are already availing HT supply at the location where the <b>Generating Plant</b> is proposed to be located?  If yes, please furnish the HT SC No, Distribution Circle, Sanctioned Demand, Voltage level, and tariff etc	
	R	i) Quantum of annual generation expected in a financial year (MU/MW) ii) Quantum of power proposed to be used at the <b>Generating Plant</b> site itself( auxiliary consumption/Industrial consumption separately (MW) iii) Quantum of power proposed to be wheeled to the Captive users/third party customers/Power traders(category wise in MW at drawal end) (The quantum at injection end will be arrived at taking into account the T&D loss as per the TNERC orders in force.)	

S	<p>Whether any excess energy is proposed to be sold to Distribution licensee/ TANGEDCO</p> <p>Say Yes or No.</p> <p>If Yes,</p> <p>a) Specify the quantum in MW to be sold to Distribution licensee/TANGEDCO.</p> <p>b) Whether the power proposed to be sold is Firm power and If so quantum proposed in MW/MU with relevant order from Distribution licensee/ TANGEDCO</p> <p>c) Whether the proposed power is infirm power? If so quantum proposed in MW/MU per Annum with relevant order from Distribution licensee/ TANGEDCO</p> <p>d) Whether the power proposed to be sold is a combination of both? If so, split up details may be furnished.</p>	
T	<p>Whether any Quantum to be sold to third parties</p> <p>Say Yes or No</p> <p>If Yes quantum proposed in MW</p>	
U	<p>a)In case of Co-gen plant whether it is coming under Topping cycle/bottoming cycle</p> <p>b) Whether proof for qualifying as Co-gen as per MOP resolution A-40/95-IPC-1 dt.6.11.1996 is enclosed</p> <p>If no reason may be furnished</p>	Say Yes/No

<b>5</b>		<b>Details of Captive User(s)</b>	
	A	Number of captive users engaged and proposed to avail supply through wheeling	
	B	Name and address of end user(s) with HT Sc No, Tariff, name of Distribution circle, Sanctioned Demand, drawal voltage may be furnished.  Anticipated annual consumption in MU for each of the end user(s) or quantum in MW.	
	C	Furnish the quantum of energy(approximate) proposed to be allotted in MW/MU on monthly basis to each captive users and the percentage of energy allotted to captive on annual basis	
	D	Whether the captive users has registered as open access customer with STU / Licensee  If yes, Furnish the details	
	E	Whether any of the Captive User(s) are already availing supply from any of the CPP's?  If so, complete details of such customers, the plants from which the power is availed with quantum in MW.	±

	F	In the event of the Captive user(s) availing power from more than One CPP the documents to be furnished  a) The user shall undertake to the effect that any energy not adjusted against energy allotted shall be treated as lapsed b) The CPP shall undertake to the effect that any energy not adjusted to captive user for non consumption against allotment shall get lapsed	
	G	1) Agreement period with captive user(user wise) 2) Date of commencement of Agreement. 3) User wise agreed quantum in MW/MU per month	
6		Probable date of commissioning of generating plant( Unit wise)	
7.		Provision of ABT meter with DLMS facility for AMR data transfer	Yes/No
8.		Online data transfer communication to SLDC	Yes/No
9.		Unique ID assigned by after registering in CEA portal	

We hereby declare that all the details furnished above are true and correct.  
We are also agreeable to furnish any other details as may be required by the Board (STU and Licensee) from time to time.

Signature of the of the Applicant  
Authorized by the company  
with seal.

Date:  
Place:



**List of documents to be furnished along with this format.**

Apart from the documents listed in the format, the following documents are to be enclosed.

1. Geographical location of the generating station.
2. Site plan in appropriate scale. The site plan should indicate following details
  - a. The proposed location of the connection point
  - b. Generators
  - c. Transformer
  - d. Site building
3. Memorandum & Articles of Association.
4. Authenticated descriptive write up about the plant process with process flow chart in case of industry co-existing with generator/captive generator/Co-generator.
5. Write up on generator protection scheme with protection diagrams in quadruplicate.
6. Documents in respect of the following
  - i) Site identification and land acquisition.
  - ii) Environmental Clearance
  - iii) Forest clearance
  - iv) Fuel arrangements
  - v) Water linkage
  - vi) CEIG safety certificate.

vii) TNPCB consent to establish/operate

7. Electrical single line diagram (SLD) of the plant. Location of Interface meter(s) and energy accounting meters (for auxiliary consumption, start up power consumption, generation of individual units and industrial loads etc.) shall also be included.
8. In case an applicant who opts as CGP shall furnish all the documents and formats as prescribed by the Commission in its orders, provisions of Electricity Act, 2003/Rules.
9. Copy of purchase order for the generator.
10. Generator Technical details & Generator Transformer details along with the signature of the authorized signatory, in the prescribed format below.

\*\*\*\*\*

### Generator Transformer Data

Sl. No	Description of details required	Data
1	MVA Rating	
2	Primary Voltage	
3	Secondary Voltage	
4	Type of cooling	
5	Winding configuration (Primary & Secondary )	
6	Breaker Rating in MVA	
7	Normal Tap setting	
8	Tap step ( off- Load and On-Load Tap)	
9	Tap ratio ( in %)	
10	Maximum and Minimum Tap number	
11	Maximum and Minimum Tap voltage	
12	Phase displacement	
13	% Impedance	
14	Leakage Reactance	
15	Resistance	
16	Reactance	

### Generator Details

Sl. No	Description of details required	Data
1	MW/MVA Rating	
2	KV Rating	
3	Armature Resistance (Ra)	
4	Direct Axis Reactance (Xd)	
5	Quadrature Axis Reactance (Xq)	
6	Negative Seq. Reactance (Xn)	
7	Zero Seq. Reactance (Xo)	
8	Direct Axis Transient Reactance (Xd)	
9	Quadrature Axis Transient Reactance (Xq)	
10	Direct Axis sub Transient Reactance (Xd)	
11	Quadrature Axis sub Transient Reactance (Xq)	
12	Inertia in MU/MVA	
13	Damping factor	
14	Winding connection	
	Mass details	
i)	Mass no	
ii)	Inertia	
iii)	Damping factor	
iv)	Stiffness Co-efficient	
v)	Capability Curve diagram to be enclosed	

**Annexure - I**

**Power evacuation Scheme Agreement Format for Generator interfacing at 66KV and above level as per Load Flow Study**

This agreement is executed at .....on this    day of (Month) (year) (month & year in words) between    (Name of the Generating Plant and its address) hereinafter called " **Name of the Generating Plant/ CPP/Co-gen,**" which expression shall wherever the context so permits means and includes the successors in interest, executors, administrators and assigns represented by Thiru. .... Son of Thiru. .... officiating as ..... in the generating plant and having authorization to execute this agreement on behalf of its as Party of the **First part.**

**And**

STU/ Transmission licensee (concerned Superintending Engineer / Operation Circle / Licensee owning the substation/ Pooling station/ Switch yard as the case may be where connectivity is being granted and ..... ) having its office at ..... herein after called "STU" / "Licensee" as the case may be which expression shall wherever the context so permits means and includes the successors in interest, administrators and assigns represented by Thiru. \_\_\_\_\_ S/o \_\_\_\_\_ ( \_\_\_\_\_ ) as Party of the **Second part.**

**WITNESSTH AS FOLLOWS**

WHEREAS the agreement is to record the terms and conditions for the power evacuation scheme for **(Proposed units)** of **NAME OF THE GENERATOR** at address, as per Load flow study results vide Lr.No. \_\_\_\_\_ / D. \_\_\_\_ / 20\_\_\_\_, dt. dd.mm.yyyy

WHEREAS **NAME OF THE GENERATOR with place**, has informed **STU / Licensee** its intension to connect **proposed units** of **Name Generating plant** at **place of generator** in the state of Tamil Nadu to generate electricity primarily for its own use;

Now THESE PRESENTS WITNESSETH AND THE PARTIES HEREBY AGREE AS FOLLOWS.

**TERMS AND CONDITIONS**

1. It is suggested that the **proposed units** may be connected with STU / Licensee grid through the **name of Evacuation line** from their plant to **Name of the SS**, subject to the following conditions.
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  
2. As per section 10.1 of Electricity Act 2003, the generator has to establish operate and maintain the dedicated transmission line. The applicant shall interface his plant / unit with the STU/Licensee's Transmission network through 66/110/230/400KV lines and shall erect interfacing line from the point of switchyard to STU/Licensee's ..... Substation and pay for the cost of bay at the STU's substation/ switching station as the case may be including cost of switchgear, metering, protection, data communication system, initial testing, commissioning and other arrangements which will be executed by the STU/Licensee towards augmentation.

3. **Name of the Generator, Place** shall pay the Operation and Maintenance (O&M) Charges for the \_\_\_\_\_ bay provided at **Name of the SS / Switching Station** erected as the case may be.
4. The company has to provide and maintain the following at their cost.
  - a. Breakers and necessary protection arrangement at their plant switch yard end.
  - b. ABT meters (with AMR compatibility) for recording their supply of power at plant end.
  - c. Generator shall establish day survey, load survey and instantaneous data transfer facility to the servers at SLDC.
5. The company have to pay applicable charges towards terminal equipments provided by STU /Licensee at JLDC.
6. The Speech communication to adjacent stations shall be provided either by land line or PLCC depending on the infrastructure available at the premises of the generating company.
7. The company shall provide their data through 64/256/512 Kbps MPLS network through any of the service providers via IEC-104 protocol at their own cost. The list of the RTUs and the service provider may be intimated to the P&C wing of STU / Licensee. The service provider shall be suitably intimated that only one Ethernet port will be given to them at control centre end irrespective of the number of RTUs connected to their network.
8. The ABT meters (with AMR compatibility) shall have facility for communication of data on real time basis to SCADA server and AMR data transfer suitable to the protocol specified by STU / Licensee.

9. The generator shall furnish an undertaking to the effect that the company shall not claim any compensation or responsibility for any unforeseen outage or scheduled maintenance outage of \_\_\_\_\_KV radial line between the plant and **'Name of the SS'**.
10. All protection scheme in respect of the generating plant shall be as per STU / Licensee norms and is to be got approved from P&C wing of STU / Licensee.
11. The company shall provide the protection arrangements, data transfer facility to nearby LD centre and AMR data transfer facility as mentioned above in co-ordination with P&C wing without which grid connectivity approval will not be accorded.
12. If the applicant or STU/Licensee could not complete the works within the specified period, the parties to the agreement shall in mutual consultation agree for revised schedule for completion of works.
13. The load flow studies are carried out corresponding to the commissioning schedule proposed by the generator at the time of Grid connectivity application. Hence, the study results hold good only to the corresponding specified year. If there is any delay beyond the scheduled period, fresh load flow study has to be conducted based on the network conditions of the time period in which the generating plant is to be commissioned.
14. The company shall abide by CEA technical standards for construction of electrical plants and electrical lines Regulations 2010 and subsequent amendments there on.
15. **Name of the Generator, Place** shall abide by the provisions of Electricity Act 2003, CERC and TNERC Regulations and subsequent amendments there on.



IN WITNESS WHEREOF Thiru..... acting for and on behalf of  
**Name of the Generator, Place**, of the generating plant and the Superintending  
Engineer / Operation Circle concerned, Authorized Officer of the STU/Licensee  
have hereunto set their signatures on the day, month and year first above  
mentioned.

In the presence of witnesses:

- |    | Signature                              |
|----|--|
| 1) | Name of the Generator with Common Seal |
| 2) |  |

In the presence of witnesses

- |    | Signature   |
|----|---|
| 1) | Superintending Engineer / Operation Circle concerned<br>(Authorized Officer of the STU) |
| 2) | / Licensee (Authorized Officer of the Licensee)   |

**Annexure -II**  
**Grid Connectivity Agreement Format for Generators interfacing at 66 KV**  
**and above level**

This agreement executed at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ Two thousand \_\_\_\_\_ between M/s. \_\_\_\_\_ (Name of Generating Plant/Consumer/Licensee and address) hereinafter called “the applicant” which expression shall wherever the context so permits means and includes the successors in interest, executors, administrators and assigns represented by Thiru. \_\_\_\_\_ Son of \_\_\_\_\_ officiating as \_\_\_\_\_ in the \_\_\_\_\_ and having authorization to execute this agreement on behalf of its as Party of the **First part**

AND

STU/ Transmission licensee (concerned Superintending Engineer / Operation Circle / Licensee owning the substation/ pooling station/ Switch yard as the case may be where connectivity is being granted and ..... ) having its office at ..... herein after called “STU” / “Licensee” as the case may be which expression shall wherever the context so permits means and includes the successors in interest, administrators and assigns represented by Thiru. \_\_\_\_\_ S/o \_\_\_\_\_ ( \_\_\_\_\_ ) as Party of the **Second part**.

WHEREAS the parties herein have executed this agreement for Grid connectivity of the applicant with STU/Licensee. This agreement is only for Grid connectivity. The applicant has to execute separate agreement for open access/wheeling after getting approval from the appropriate agency.

WHEREAS the applicant has expressed his consent to the STU/ Transmission Licensee, his proposal to synchronize Generating Plant having capacity of \_\_\_\_\_MW installed at \_\_\_\_\_village \_\_\_\_\_taluk in \_\_\_\_\_district / commissioned / to be commissioned on or about \_\_\_\_\_through the STU/Licensee's network.

WHEREAS the applicant has paid the application fees inclusive of load flow fee wherever applicable as notified by the Tamil Nadu Electricity Regulatory Commission, hereinafter called "the Commission".

AND WHEREAS the STU/Licensee has accepted the proposal of the applicant for Grid Connectivity to Transmission networks as per Lr. No. \_\_\_\_\_on the terms and conditions hereinafter mentioned.

**NOW THESE PRESENTS WITNESSETH AND THE PARTIES HEREBY AGREE AS FOLLOWS:**

**TERMS AND CONDITIONS:-**

**1. Definitions.-**

In this agreement, -

- 1.1. **"Force Majeure"** means any event which is beyond the control of the parties to this agreement which they could not foresee or with a reasonable amount of diligence could not have foreseen or which could not be prevented and which substantially affect the performance of either party such as but not limited to -

- i) natural disasters (earthquakes, hurricane, floods);
- ii) wars, riots or Civil Commotions and other upheavals;
- iii) grid / Transmission system's failure not attributable to parties hereto;
- iv) Pandemic as declared by State Government/Central Government.

1.2. **“Inter connection point”** means

- i) in relation to fossil fuel based generators, the Generating Plant's switchyard at which point the interconnection is established between the Generating Plant and the Transmission system;
- ii) in relation to wind energy projects and solar photovoltaic projects, inter connection point shall be line isolator on outgoing feeder on HV side of the pooling substation;
- iii) in relation to small hydro power, biomass power and non fossil fuel based cogeneration power projects and Solar Thermal Power Projects, the inter connection point shall be line isolator on outgoing feeder on HV side of generator transformer;

1.3. **“Interface line”** means the electric line between the interconnection point and the nearest point at which the electric line could technically be connected to the existing Transmission system; and

1.4. **“Meter”** means a 'Meter' as defined in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time.

**2. Interfacing and evacuation facilities:-**

2.1. The applicant shall interface his plant/unit with the STU/Licensee's Transmission network through 66/110/230/400KV lines and shall erect

interfacing line from the point of switchyard to STU/Licensee's ..... Substation and pay for the cost of bay at the STU/Licensee's substation / Switching Station erected as the case may be including cost of switchgear, metering, protection, data communication system which includes online data transfer to SCADA server and AMR data transfer, initial testing, commissioning and other arrangements etc. which will be executed by the STU/Licensee towards augmentation.

- 2.2. Where a dedicated transmission system used for connectivity of the applicant has been constructed for their exclusive use, the transmission charges for such dedicated system shall be worked out by the licensee and got approved by the Commission and shall be borne entirely by such applicant till such time the surplus capacity is allotted and used by other persons or for other purposes.
- 2.3. In case intra state transmission system/ distribution system is used by an applicant in addition to inter-state transmission system, transmission charges and wheeling charges as fixed and approved by the Commission shall be payable for use of intra-state transmission system in addition to payment of transmission charges for inter-state transmission.
- 2.4. The applicant and the Transmission Licensee shall comply with the provisions contained in Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 which includes the following namely:
  - i) Connection Agreement;
  - ii) Site responsibility schedule;
  - iii) Access at Connection site;

- iv) Site Common Drawings;
- v) Safety;
- vi) Protection System and Co-ordination; and
- vii) Inspection, Test, Calibration and Maintenance prior to Connection.

2.5. The applicant shall comply with the safety measures contained in section 53 of the Electricity Act, 2003 (Act 36 of 2003);

2.6. Both the parties shall comply with the provisions contained in the Indian Electricity Grid Code, Tamil Nadu Electricity Grid Code, the Electricity Act, 2003, Rules framed there under, other Codes and Regulations issued by the Commission / Central Electricity Authority and amendments issued thereon, from time to time; and

2.7. Both the parties shall comply with the guidelines issued by the Government of India/ Government of Tamil Nadu, from time to time.

**3. Conditions Precedent to the implementation of the Commissioning Instructions:-**

The applicant or intra -State transmission licensee shall have to get appropriate "Commissioning instruction" prior to actually first charging of the equipment through the grid. The charging instruction shall be issued only when the STU/Licensee is satisfied (by acting reasonably) that:

- 3.1. the Connection Works have been completed;
- 3.2. the applicant has complied with its obligations as set out in the Offer Letter
- 3.3. the applicant/intra -State transmission licensee has demonstrated the voice & data communication facilities to SLDC with the payment of necessary charges towards terminal equipments at LD centre.

- 3.4. the applicant has completed the provision of ABT meter with DLMS facility and establishment of online data connectivity to the AMR server at SLDC with the payment of necessary charges.
- 3.5. the applicant / intra-State transmission licensee has obtained necessary approvals like PTCC, Electrical Inspectorate of CEA etc. from competent authority;
- 3.6. the applicant / intra - State transmission licensee has complied with its obligations under the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time.

**4. Operation and Maintenance:-**

- 4.1. The applicant agrees that the starting current of the Generators shall not exceed the full load current of the machine and also agrees to provide the necessary current limiting devices like thyristor during the start.
- 4.2. The applicant agrees to minimize drawal of reactive power from the STU/Licensee's network at an interconnection point as per the provisions of the Tamil Nadu Electricity Grid Code, the Indian Electricity Grid Code, Commission's Regulations/orders as the case may be.
- 4.3. The applicant agrees to provide suitable automatic safety devices so that the Generator shall isolate automatically when the grid supply fails.
- 4.4. The applicant agrees to maintain the Generator and the equipments including the transformer, switch gear protection equipments and other allied equipments at his cost to the satisfaction of the authorized officer of the STU/Licensee.

- 4.5. The changing of the rupturing capacity of the switch gear and settings of the relays, if any, shall be subject to the approval of the authorized officer of the STU/Licensee.
- 4.6. The applicant agrees that the STU/Licensee shall not be responsible for any damage to his Generating Plant resulting from parallel operation with the Transmission network and that the STU/Licensee shall not be liable to pay any compensation for any such damage.
- 4.7. In the case of a generator, the Generating Plant shall be maintained effectively and operated by competent and qualified personnel.
- 4.8. In case of unsymmetrical fault on HV bus, the applicant shall share the fault current according to impedance of the circuit. To meet such contingency and for safe operation of the Generating Plant, the applicant shall provide the following scheme of protection, namely,
- i) Separate overload relays on each phase and earth fault relays shall be installed by the generator. Under no circumstances, these relays shall be by-passed;
  - ii) With suitable Current Transformer and relay connections, the load sharing by the generator and Transmission Licensee shall be limited to their rated capacity;
  - iii) Adequate indication and control metering for proper paralleling of the Generating Plant on the HV bus shall be made available; and
  - iv) Protection co-ordination shall be done by the Transmission Licensee in consultation with the Regional Power Committee / State Transmission



Utility and relays and the protection system shall be maintained as per site responsibility schedule.

- 4.9. Grid availability shall be subject to the restriction and control as per the orders of the State Load Despatch Centre and as per Tamil Nadu Electricity Grid Code;
- 4.10. The users can avail power from the generating plant subject to the Restriction and Control measures imposed / approved by the Commission from time to time.
- 4.11. If the interfacing line is established by the generator, the interfacing line(s) shall be maintained by themselves. The maintenance works shall be carried after availing proper line clear from the concerned officer of the STU/Distribution licensee. Further, the generator agrees to pay the Annual bay maintenance cost for the bay at the STU / licensee's substation or cost of Operation and maintenance of switching station as the case may be to the Transmission licensee where the interfacing line is terminated. The bills shall be raised by the licensee towards bay / switching station maintenance as the case may be on annual basis and the generator shall pay the amount within 5 working days of receipt of bill.
- 4.12. The Generator may also request the licensee to maintain the interfacing line and if the interfacing line is maintained by the Transmission licensee, the cost of maintenance of line including cost of bay maintenance / switching station maintenance as the case may be shall be paid by the generator.

## **5. Metering Arrangements:-**

- 5.1. ABT Meters with DLMS facility: - ABT compliant interface meters with DLMS facility shall be installed as specified in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time. The meters shall be provided by the STU or the Transmission Licensee as the case may be, at the cost of applicant both at the injection and drawal points. The applicant can opt for supply and installation of meters as per the standards recommended by the STU or the Transmission Licensee, as the case may be and approved by the Commission. The cost of meters and installation, have to be borne by the applicant and the readings shall be taken by the Licensee as per the CEA Regulations.
- 5.2. The meters shall have facility for communication of data on real time basis to SCADA server and AMR data transfer suitable to the protocol specified by STU / licensee.
- 5.3. The ABT meters with DLMS facility shall be open for inspection by any person authorized by the State Transmission Utility or the State Load Despatch Centre or the Transmission Licensee.
- 5.4. The STU or Transmission Licensee may provide Check Meters of the same specifications as that of the main meters.
- 5.5. The applicant can have a standby meter of the same specification tested and sealed by the STU / Transmission Licensee.
- 5.6. Main and Check Meters shall have facility to communicate its readings ( day survey, load survey and instantaneous data) to State Load Despatch Centre / Transmission Control Centre on real time basis or otherwise.

- 5.7. The Main and Check Meters shall be periodically tested and calibrated by the generators / Licensee as the case may be in the presence of other party involved. Both parties shall seal Main and Check meters. Defective meter shall be replaced immediately. The periodicity of testing, checking, calibration etc. will be governed by the Regulations issued by the Central Electricity Authority in this regard.
- 5.8. Reading of Main and Check meters shall be taken periodically at appointed day and hour by authorized officer of the STU / Transmission Licensee in the presence of the applicant or his representative.
- 5.9. Check meter readings shall be considered when Main Meters are found to be defective or stopped functioning. Provided that, if difference exists between the readings of main and check meters, viz. main meter reading exceeds twice the percentage error applicable to relevant class, both meters shall be tested and the defective meter shall be immediately replaced and reading of other will be considered.
- 5.10. If during test or calibration, both the main meter and the check meter are found to have errors beyond permissible limits, the bill shall be revised for the previous 3 (Three) months or for the exact period if known and agreed upon by both the parties, by applying correction as determined by the STU or Transmission Licensee to the consumption registered by the meter with lesser error.
- 5.11. The applicant shall check the healthiness of metering arrangement by superficially checking indicator lamps or by taking readings as frequently as

possible. If both the main meter and the check meter fail to record energy either due to the blowing of the P.T. fuses or due to any other causes, the energy imported or exported may be arrived at based on the standby meter, if available, or by mutual agreement of the parties involved.

5.12. The main and check meters shall be tested for accuracy as per the CEA (Installation and Operation of meters) Regulations 2006 and amendments thereon. The meters may be tested using NABL accredited mobile laboratory or at any accredited laboratory in the presence of parties involved. Both parties shall seal main and check meters. Defective meters shall be replaced immediately.

5.13. Energy Accounting Meters: The generator shall provide energy accounting meter as per the provisions of CEA Regulations 2006 and its subsequent amendments in order to ascertain the quantum of energy generated unit wise, auxiliary consumption and consumption of energy for startup power. The energy meters shall be provided at various locations as agreed between parties to the agreement and approved by the licensee in the drawing.

## **6. Charges:-**

The following are the charges that an applicant has to pay

### **6.1. Startup power Charges:-**

In case of outage of generator, the power drawn by the Generating Plant for startup and other purpose shall be charged at the rate fixed in the Commission's Tariff order/other relevant orders issued from time to time.

6.2. **Reactive energy charges:-** Reactive Power Charges is recoverable as per

the Regulation / Code /order in force.

- 6.3. **Parallel Operation charges:-** Generating Plants who opt for parallel operation of the generator with licensee for safe and secure operation of the generator has to pay Parallel Operation charges every month as notified in Commission's Regulations/ Orders. The bills for the same will be sent by the concerned officer of the STU/ Distribution Licensee in the succeeding calendar month and the generator shall pay the bill within five working days of receipt of the bill.
- 6.4. **O&M Charges:-** Operation and Maintenance (O&M) Charges towards bay(s) provided at STU/ Licensee's substation / Switching Station erected as the case may be shall be borne by the applicant as per prevailing orders of the commission.
- 6.5. Any additional charges that may be notified by the Commission at a later date shall also be levied, from the date as approved by the Commission.
- 6.6. In case of deviation between the schedule and the actual injection or drawal in respect of an applicant, settlement will be made as per the provisions of Commission's prevailing Deviation Settlement Mechanism Regulations.
- 6.7. The existing procedure will be followed for collection of application fee and all other charges until procurement of necessary software to implement the accounting procedure as per the Regulations.
- 6.8. In case the applicant fails to make any payment due to STU / Distribution licensee within the specified due dates, open access / connectivity shall be discontinued after issue of 15 days notice without prejudice to its rights to

recover the charges by suit.

**7. Standard terms and conditions:-**

- 7.1. The applicant should adhere to the directions received from the State Load Despatch Centre which are covered under Sec 32,33 & 37 of Electricity Act,2003 and directions if any, issued under Sec.11 of Electricity Act,2003.
- 7.2. The State Transmission Utility will not be responsible for any damage to the generator sets or other equipment as a result of such grid connectivity.
- 7.3. There should not be any fluctuation or disturbance to the grid due to paralleling of the generator sets. The generator shall provide adequate protection as required by STU/Licensee to facilitate parallel operation of the generator sets with the grid and to prevent any disturbance in the grid. The generator shall undertake to install such equipments at their own cost to ensure that they will safeguard the STU/Licensee's property in accordance with this condition.
- 7.4. The generating plant shall be maintained effectively and operated by competent and qualified persons.
- 7.5. The applicant shall adhere to the various provisions of Electricity Act 2003, Commission's various orders, Intra state open access Regulations 2014, Tamil Nadu Electricity Grid Code etc., and their amendments issued from time to time.
- 7.6. The applicant shall adhere to the instructions of SLDC for grid availability and safe operation of the grid.
- 7.7. The applicant shall make good the loss, if any, due to any damage that may occur to the personnel or equipments of the STU/Licensee installed in

connection with power supply to the generator on account of parallel operation.

- 7.8. Any power injected in to the grid without valid contractual agreement and open access approval will not be accounted for payment except in the case specified in the Regulations (Regulation 6(6)). The same will not be treated as sale of power to the STU / Transmission licensee and there will be no liability for making payments under any circumstances, by the licensee.
- 7.9. In case of mere parallel operation of generator(s) with the licensee's network without evacuation /open access there shall not be any power export into the licensee's network under any circumstances and the generator shall install appropriate protection arrangements for preventing such exports. In case of power export or load over throw is noticed action deemed fit in accordance with provisions of the Electricity Act 2003 will be taken, and further the generator shall pay for the damages/loss incurred by the STU/Licensee.
- 7.10. The permission accorded for parallel operation shall not absolve the generator from getting other statutory approvals required from various state and central government agencies, such as the approval of the Chief Electrical Inspector to Government for installation, operation and maintenance etc.,
- 7.11. The generator shall bear the entire cost of all equipments required for paralleling with the grid.
- 7.12. The Company has to bear any revision in charges for Terminal equipments at JLDC.
- 7.13. Any additional data points if required by SLDC/ Chennai, the same has to be configured by the company.

- 7.14. The data has to be provided to SLDC consistently by the company
- 7.15. Periodical inspection of the Generating station, Switch yard, Substation, tie lines and other electrical installations of the generating station shall be got carried out by the Chief Electrical Inspector to Govt. of Tamil Nadu.
- 7.16. Notice of accidents in such form and within such time as may be prescribed by the State Government shall be sent to Electrical Inspector and to such other authorities as State Government may or by special order directs, under Electricity Act, 2003.
- 7.17. If any Tax under Tamil Nadu Tax on consumption or sale of Electricity for either sale of energy to persons other than STU/Licensee or captive consumption has to be paid, such tax shall be paid along with the returns as prescribed in the Tamil Nadu Tax on consumption or sale of Electricity Act 2003.
- 7.18. In case of necessity to work on the secondary side of the CTs and PTs it should be done only in the presence of authorized representatives of STU/Licensee.
- 7.19. The applicant shall under take to install such equipments at their own cost to ensure that harmonics are maintained within the prescribed limit as per the CEA norms/Commission's orders.
- 7.20. STU/Licensee will not be responsible for loss of generation if any, due to breakdown of lines or any evacuation constraint and no compensation is payable by STU/Licensee to the generator if the cause is attributable to the generator.



- 7.21. In case the generator fails to make any payment due to STU/Licensee within the specified due dates, wheeling/energy adjustment will not be made and action will be taken to withdraw the Connectivity granted.
- 7.22. The company shall back down / shutdown the generation / generator as per the instructions of LD centre as and when required according to the grid conditions and no compensation shall be claimed from STU/Licensee.
- 7.23. In case of captive generating plants, they shall furnish the prescribed documents and formats as per the Commission's orders, provisions of Act, Rules.,
- 7.24. The company shall arrange to provide necessary communication facilities (Telemetry arrangements) as per the requirements of STU/Licensee / SLDC to communicate the data required on real time basis to the SLDC, Chennai. It is the responsibility of the generator to ensure the continuous availability of AMR data transfer facility to SLDC and Online data transfer facility to SCADA server at SLDC, Chennai.
- 7.25. The applicant shall comply with orders on R&C measures.
- 7.26. The STU/Licensee reserves the right to withdraw the concurrence for grid connectivity to operate the company's generator set in parallel with grid if any of the condition is violated.
- 7.27. Any alteration or deletion in the terms and conditions of this agreement is to be carried out based on mutual agreement between the STU/Licensee and the applicant.
- 7.28. STU/Licensee will not compensate the generator under any circumstances in case power could not be evacuated due to various reasons not limited to such as breakdown of line / equipment of STU/Licensee, grid disturbance etc.

However all efforts will be made to maintain the equipments of STU/Licensee at appropriate standards.

## **8. Captive Generating Plants / Co- generating Plants:-**

### **8.1. Captive Generating Plant Status:-**

The captive generating plants, shall maintain CGP status in accordance with Rule 3 of Electricity Rules 2005 and shall furnish the prescribed documents and formats as per the approved procedures by the Commission for verification of CGP status.

### **8.2. CO-Generating Plant Status:-**

The Co-gen holder shall furnish necessary documents and maintain Co-gen status as per MOP resolution A-40/95- IPC-1, dt.06.11.1996 and TNERC's order No.4, dt.15.05.2006.

## **9. Applicability of the Acts, Regulations and Guidelines:-**

9.1. The parties shall be bound by the provisions contained in the Electricity Act, 2003, Rules, instructions of MoP, Regulations, notifications, orders and subsequent amendments, if any, made there under from time to time by the Commission and the guidelines issued by the Government of India / Government of Tamil Nadu, as the case may be.

## **10. Agreement Period:-**

10.1 This agreement is valid till the generator is connected with the grid.

10.2 In case of any breach or violation of any of the clauses in this agreement or any other valid reasons, by any party, the other party shall be at liberty to cancel this agreement by giving thirty (30) days notice.

10.3 The parties to the agreement may at any time renegotiate the existing agreement mutually within the framework of the then existing relevant Regulations, codes and orders of the Commission in force for reasons other than clause 10.2 of this agreement.

**11. Settlement of Disputes:-**

11.1. If any dispute or difference of any kind whatsoever arises between the parties to this agreement, it shall, in the first instance, be settled amicably, by the parties, failing which either party may approach the Commission for the adjudication of such disputes under section 86 (1) (f) of the Electricity Act, 2003;

**12. Force Majeure:-**

12.1. Both the parties shall ensure compliance of the terms and conditions of this agreement. However, no party shall be liable for payment of any claim on any loss or damage whatsoever arising out of failure to carry out the terms of this agreement to the extent that such failure is due to force majeure. But any party claiming the benefit of this clause shall satisfy the other party of the existence of such an event(s), within 30 days of occurrence of the event(s)

In witness whereof Thiru. \_\_\_\_\_ acting for and on behalf of \_\_\_\_\_ (applicant) and Superintending Engineer / Operation Circle  (concerned)  Authorized Officer acting for and on behalf of the STU/Licensee have hereunto set their hands on the day, month and year hereinabove first mentioned.

In the presence of witnesses:

Signature  
Generator with Common seal

1)

2)

In the presence of witnesses:

Signature

1)

Superintending Engineer / Operation Circle concerned  
(Authorized Officer of the STU)  
/Transmission Licensee

2)

## **DETAILED PROCEDURE FOR APPLICATION FOR GRANT OF LONG TERM, MEDIUM TERM & SHORT TERM OPEN ACCESS**

### **1. Eligibility for open access:**

- 1.1 The licensees, generating companies, captive generating plants and consumers shall be eligible for open access to the intra-State transmission system of the State Transmission Utility or any transmission licensee and distribution system of a distribution licensee on payment of applicable charges as per the provisions of TNERC (Grid connectivity and Intra-State Open Access) Regulations, 2014(here in after referred to as Regulations).
- 1.2 Open access shall be permissible to the consumers seeking open access capacity up to which the Commission has permitted open access and are connected through an independent feeder emanating from a sub - station of licensee. The consumers who are not on independent feeders shall be allowed open access subject to restrictions in the feeders serving them in line with the Commission's Regulations/Codes/Orders.
- 1.3 Open Access shall be allowed to the intra state transmission system/distribution system subject to the satisfaction of the conditions contained in the Act/ Rules/Regulations/Orders.
- 1.4 In case of open access under captive category, the procedure as per the Commission's orders read with provisions of the Act/Rules/Regulations shall be followed

### **2.0 Non Eligibility of open Access:**

- 2.1 An un-discharged insolvent or a person having outstanding dues against him for more than two months billing of distribution/transmission licensee or any pending payments due to transmission/distribution licensee at the time of application shall not be eligible for open access.

2.2 In case a person, to whom open access has already been allowed, is declared insolvent or is having outstanding dues for more than two months billing of transmission or distribution Licensee or any pending payment due to transmission/distribution licensee, he shall not be eligible for open access from the day he is adjudged as insolvent or failed to clear the amount outstanding for more than two months billing.

**3.0 Criteria for granting open access:**

3.1 Before awarding long-term open access, the State Transmission Utility shall have due regard to the augmentation required for the intra-State transmission system.

3.2 Medium-term open access or short-term open access shall be granted if the resultant power flow can be accommodated in the existing transmission system or the transmission system under execution.

Provided that no augmentation shall be carried out to the transmission system for the sole purpose of granting medium-term open access or short-term open access.

Provided further that construction of a dedicated transmission line shall not be construed as augmentation of the transmission system in so far as the Regulations are concerned.

**4.0 Categories of Open Access customers:**

4.1 The categories of open access customers shall be as notified in the Regulations namely Long term open access, Medium term open access and short term open access. The application procedure, application fee and the time frame for processing the request of the eligible consumers seeking open access shall be based on the criteria specified in the Regulations as amended from time to time.

**PROCEDURE FOR MAKING APPLICATION FOR GRANT OF LONG-TERM OPEN  
ACCESS TO INTRA STATE TRANSMISSION SYSTEM AND DISTRIBUTION  
SYSTEM**

**1.0 Outline - Submission of Application**

- 1.1 This procedure shall apply to the Applications made for Long-Term Open Access (LTOA) for use of transmission lines of the intra-state transmission system (Intra STS)/Distribution system and/or associated facilities.
- 1.2 This Procedure is in accordance with the various provisions of the Tamil Nadu Electricity Regulatory Commission (Grant of Connectivity and Intra State Open Access) Regulations, 2014 hereinafter referred to as “Regulations”. This procedure is to be read in conjunction with the Regulations.
- 1.3 LTOA can be availed for the period as specified in the Regulations as amended from time to time. Availing of LTOA may require construction of new transmission capacities as per the system studies/load flow studies.
- 1.4 Application for LTOA can be made by Generating companies including a captive generating plant, consumers, licensees provided the power station from which the power is being sourced or the load as the case may be should have been already connected to grid or granted permission for connectivity to the grid or have already applied for connectivity to the grid or be making application for connectivity to the grid simultaneously along with the application for open access.
- 1.5 The application for LTOA shall be made in the prescribed format (FORMAT LTOA) to the nodal agency SLDC/STU as the case maybe. The application shall be accompanied by an undertaking of not having entered into a Power Purchase Agreement (PPA) or any other bilateral agreement with more than one person for the same quantum of power for which open access is sought. The nodal agencies shall be as notified in the regulations. Presently, the nodal agencies are as follows:

Nodal Agency:

Sl.No.	Location of drawal Point and injection point		***Nodal Agency
	Injection	Drawal	
1	*Distribution System	Distribution System	SLDC
2	Distribution System	** Intra State Transmission System *	STU
3	Intra State Transmission System	Intra State Transmission System	STU
4	Intra State Transmission System	Distribution System	STU

\*Distn System : 33KV and below.

\*\*Intra State Transmission system: 66KV and above

When the location of injection and drawal points are in different states, the nodal agency shall be the CTU as per the Regulations.

1.6. The application shall be addressed to:

When SLDC is the Nodal agency-

The Superintending Engineer/Commercial Operation/TANTRANSCO

3<sup>rd</sup> Floor, TANTRANSCO Building,

144, Anna Salai

Chennai-2

When STU is the Nodal agency-

The Chief Engineer/Grid Operation/TANTRANSCO

3<sup>rd</sup> Floor, TANTRANSCO Building

144, AnnaSalai

Chennai-2.

\*\*\* In the case of Renewable energy generators, applications may be addressed to the Chief Engineer/NCES, 2<sup>nd</sup>Floor, NPKRR Maaligai,144,Anna Salai,Chennai-2.



1.7. Application fee and documents to be enclosed:

1.7.1 The application fee for open access shall be as notified in the Regulations amended from time to time. The application for open access shall be accompanied with fee(as per the Regulations) and other documents as detailed below:

Sl.No.	Location of drawal and injection point		*Application Fee in Rs.	
	Injection	Drawal	For capacity 10 MW and above	For capacity less than 10 MW
1	Distribution System	Distribution System	50,000	25,000
2	Distribution System	Intra State Transmission System	2,00,000	1,00,000
3	Intra State Transmission System	Intra State Transmission System	2,00,000	1,00,000
4	Intra State Transmission System	Distribution System	1,00,000	50,000

\*The application fee is inclusive of load flow studies and taxes as applicable.

1.7.2 Documents to be furnished with the application:

- (i) Proof of payment of application fee.
- (ii) Consent from concerned Distribution licensee
- (iii) PPA or Sale agreement of power
- (iv) In case of generating station not already connected to the grid, documentary evidence for completion of the connectivity showing that the same shall be completed before intending date of open access. The implementation of LTOA shall be only after declaration of COD.

- (v) In case the application is made for transmitting power to the captive users, the procedure as per the Commission's orders read with provisions of the Act/Rules/Regulations shall be followed.
  - (vi) In the case of co- generation plant, proof of qualification of cogeneration status in accordance to the notifications /guidelines of Ministry of Power issued by concerned officer.
  - (vii) If the Applicant is an Electricity Trader, the copy of valid trading license issued by the Commission.
  - (viii) Status of provision of ABT meters and metering set with AMR / DLMS facility.
  - (ix) Status of Online Data transfer facility to SLDC.
  - (x) Bank guarantee as prescribed in Regulations and clause 1.13 of this procedure.
- 1.8. The application fee may be paid through the online payment provision of "SBI Collect" or any other mode as notified by the nodal agency. The payment reference shall be intimated in the application.
- 1.9. In the application for LTOA, the applicant shall be required to indicate location of the injection point, drawal point, and the quantum of power to be transferred, period of open access i.e. start period and end period etc and submit the same to the nodal agency.
- 1.10. In cases where there is any material change in location of the applicant or change by more than 10 percent in the quantum of power to be interchanged using intra-state transmission system, the applicant shall make a fresh

application along with applicable fees which will be considered in accordance with the Regulations. Earlier application shall be cancelled and application fee for that application shall be forfeited.

- 1.11. An incomplete application, and/or an application not found to be in conformity with these Procedures and Regulations, shall be rejected.
- 1.12. The applicant shall submit application before six months from the start date of LTOA in the format LTOA-I.
- 1.13. The LTOA applicant shall furnish a bank guarantee of Rs. 10,000/- (Rupees ten thousand only) per MW or part thereof (as prescribed in the Regulations) of the total power to be transmitted. The bank guarantee shall be in favour of the Chief Engineer / Grid Operation, SLDC, Chennai-2.
- 1.14. The bank guarantee shall be valid and subsisting till the execution of the long-term open access agreement in the case when augmentation of transmission system is required or till operationalisation of long-term open access when augmentation of transmission system is not required.
- 1.15. The bank guarantee may been-cashed by the nodal agency,
  - (i) If the LTOA application is withdrawn by the applicant.
  - (ii) The long-term open access rights are relinquished prior to the operationalization of such long-term open access when augmentation of transmission system is not required.
  - (iii) *If the applicant fails to sign the Long Term Access Agreement with STU or a tripartite agreement with STU and intra state transmission licensee other than STU, as the case may be , and fails to furnish appropriate bank Guarantee for construction phase (augmentation), within stipulated time indicated in the intimation letter.*

*(iv) If the applicant fails to revalidate the earlier furnished Bank Guarantee at least 30 days prior to its expiry.*

- 1.16 The aforesaid bank guarantee will stand discharged with operationalization of long-term open access, when augmentation of transmission system is not required or the submission of appropriate bank guarantee required to be given by the applicant to the STU during construction phase when augmentation of transmission system is required.
- 1.17 If the augmentation of the system is required, the applicant shall submit a bank guarantee for an amount of 10% of the total estimate cost of the augmentation system. This Bank guarantee shall be valid from the date on which the work is proposed to be started as per the intimation of nodal agency up to the period of operationalisation of Long term open access by the applicant.

## **2. PROCESSING OF APPLICATIONS**

- 2.1 The application shall be processed on first come first served basis. In case of applications received by post, the date of receipt of applications in the office of the nodal agency shall be considered as the date of the application. On establishment of IT infrastructure at STU/SLDC, applications will be processed through online.
- 2.2 The nodal agency shall carry out system studies in Intra STS/Distribution system to examine the adequacy of the transmission system within a short period so that the decision to grant Long term access is arrived within the time frame specified in the Regulations. The load flow studies should clearly state whether system augmentation is required or not and the works involved in system strengthening with estimates of costs to be incurred by the STU, design features of construction to be undertaken by the applicant and the supervision charges required to be paid by the applicant for execution of their works. The letter of intimation for grant of open access shall be provisional and shall be applicable only after signing of necessary agreement, furnishing Bank Guarantee where required, and shall be part of the agreement.

- 2.3 The load flow study results with details as in para 2.2 above shall be communicated to the applicant by nodal agency informing the time limit within which the concurrence shall be given by the applicant from the receipt of the communication from nodal agency. If concurrence is not given by the applicant within stipulated time, the application will be treated as cancelled and application fee will be forfeited.
- On receipt of concurrence, the nodal agency shall intimate grant of open access and direct the applicant to enter into a Long term open access agreement with SLDC/ STU within seven/fifteen days where no augmentation/augmentation is involved as the case maybe.
- 2.4 The nodal agency may change system strengthening requirements identified for a particular project on the basis of any subsequent study carried out on its own motion or on another application for LTOA, with the purpose of optimum utilization of the transmission system or to conserve limited right-of-way, and in such event, the changes carried out by the nodal agency shall be intimated to the applicant, or any other person associated with the LTOA, provided that the optimized system shall not work to the disadvantage of the applicant. However these changes shall be notified quickly before signing of the LTOA agreement.
- 2.5 After obtaining concurrence from the applicant, the LTOA agreement shall be signed in FORMAT LTOA -III where augmentation is involved and in FORMAT LTOA- IV where no augmentation is involved. The agreements shall be signed within 15 days or a period lesser where no augmentation is involved, of intimation of the decision to grant open access.
- 2.6 The long-term open access agreement shall contain the date of commencement of long-term open access, the point of injection of power into the grid and point of drawal from the grid, quantum of power to be transmitted, the details of dedicated transmission lines if any required and the open access charges to be paid by the applicant to STU, SLDC and the Distribution licensee. In case, augmentation of transmission system is required, the long term open access agreement shall contain the time line for

construction of the facilities of the applicant and the licensee, the bank guarantee required to be given by the applicant and other details.

- 2.7 In case transmission system of Intra-state transmission licensee other than STU is used, the applicant shall sign a tripartite long-term open access agreement with STU and intra-State transmission licensee as provided in regulation 13 of Commission's Open Access Regulations.
- 2.8 The applicant shall make payment of necessary charges within the time specified by the nodal agency. The applicant shall submit construction phase Bank Guarantee at 10% of estimated cost when augmentation is involved.
- 2.9 The works shall be completed by the applicant/STU/Distribution licensee as the case maybe within the timelines specified in the agreements. The timelines shall be fixed such that the time frame for disposal of application mentioned in schedule 1 and 2 for applicants connected to the Distribution system and applicants connected to the intra State transmission system of the Regulations are complied with.
- 2.10 After the completion of the work, the LTOA approval will be issued by the Nodal agency in the Format LTOA-II within 120 days where no system augmentation is involved and within 150 days where system augmentation is involved, from the date of receipt of the application.
- 2.11 In case, the grid connectivity is under process while applying for LTOA, the LTOA commencing date will be only after the date of COD by the generator. **However the open access customer shall pay the open access charges from the committed date of COD.**
- 2.12 On being satisfied that the requirements specified in regulations 9 and 10 of the Regulations are complied with, the nodal agency shall grant Long term open access for the period stated in the application.
- 2.13 Immediately after grant of Long-term open access, the nodal agency shall inform the SLDC and Distribution licensee concerned so that they can consider the same while processing requests for short- term open access received under the Regulations.

**3. Consent by distribution licensee:**

- 3.1 In respect of a consumer connected with distribution system seeking Open access, such consumer shall be required to submit the consent of the distribution licensee concerned. The distribution licensee shall convey its consent to the applicant by e-mail or fax or by any other usually recognized mode of communication, within three (3) working days of receipt of the application. Format of application for issue of consent shall be as per Format 6
- 3.2 While processing the application from a generator seeking consent for open access, the distribution licensee shall verify the following, namely-
- (i) Existence of infrastructure necessary for time-block-wise energy metering and accounting in accordance with the provisions of the State Grid Code in force; and
  - (ii) Availability of capacity in the distribution network; and
  - (iii) Availability of Remote Terminal Unit (RTU) and communication facility to transmit real-time data to the SLDC or Distribution Control Centre (DCC)
- 3.3 Where existence of necessary infrastructure and availability of capacity in the distribution network has been established, the distribution licensee shall convey its consent to the applicant by e-mail or fax or by any other usually recognized mode of communication, within three (3) working days of receipt of the application;
- 3.4 In case the distribution licensee finds that the application for consent is incomplete or defective in any respect, it shall communicate the deficiency or defect to the applicant by e-mail or fax or by any other usually recognized mode of communication, within two (2) working days of receipt of the application;
- 3.5 In case the application has been found to be in order but the distribution licensee refuses to give consent on the grounds of non- existence of

necessary infrastructure or unavailability of surplus capacity in the distribution network, such refusal shall be communicated to the applicant by e-mail or fax or by any other usually recognized mode of communication, within the period of three (3) working days from the date of receipt of the application, along with reasons for such refusal;

- 3.6 Where the distribution licensee has not communicated any deficiency or defect in the application within two (2) days from the date of receipt of application, or refusal or consent within the specified period of three (3) working days from the date of receipt of the application as the case may be , consent shall be deemed to have been granted;

Provided that the applicant shall submit to the Nodal agency a copy of the acknowledgement, if any, given by the Distribution licensee, or any other evidence in support of delivery of the application to the Distribution licensee.

- 3.7 Notwithstanding anything contained in this procedure/Regulations, the Nodal Agency shall be at liberty to summarily reject an application for Open Access on the ground of non compliance of the provisions of these Regulations, more specifically the provisions relating to timely payment of the charges leviable hereunder.

#### **4.0. Renewal of Long-term open access**

- 4.1. On the expiry of the period of long-term open access, the long-term open access shall stand extended on a written request provided by the long-term consumer to the State Transmission Utility /SLDC as the case may be, submitted at least six months prior to such expiry, mentioning the period for extension that is required.
- 4.2. In case no written request is received from the long-term consumer within the timeline specified above, the said long-term access shall stand terminated on the date upto which it was initially granted.



## **5.0. Relinquishment of access rights**

5.1 A long-term customer may relinquish the long-term access rights fully or partly before the expiry of the full term of long-term access, by making payment of compensation for stranded capacity as follows:

1. Long-term customer who has availed access rights for 12 years and above.
  - (i) Notice of one year – If such a customer submits an application to the STU / SLDC at least one year prior to the date from which such customer desires to relinquish the access rights, there shall be no charges.
  - (ii) Notice of less than one year – If such a customer submits an application to the STU / SLDC at any time lesser than a period of one year prior to the date from which such customer desires to relinquish the access rights, such customer shall pay an amount equal to 66% of the estimated transmission charges (net present value) for the stranded transmission capacity for the period falling short of a notice period of one (1) year.
2. Long-term customer who has availed access rights for less than 12 (twelve) years – Such customer shall pay an amount equal to 66% of the estimated transmission charges (net present value) for the stranded transmission capacity for the period falling short of 12 (twelve) years of access rights. Such a customer shall submit an application to the STU at least one year prior to the date from which such customer desires to relinquish the access rights. In case a customer submits an application for relinquishment of long-term access rights at any time at a notice period of less than one year, then such customer shall pay an amount equal to 66% of the estimated transmission charges (net present value) for the period falling short of a notice period of one (1) year, in addition to 66% of the estimated transmission charges (net present value) for the stranded transmission capacity for the period falling short of 12 (twelve) years of access rights.

- 5.2 **The discount rate** that shall be applicable for computing the net present value as referred to above shall be the discount rate to be used for bid evaluation in the Central Commission's Notification issued from time to time in accordance with the Guidelines for Determination of Tariff by Bidding Process for Procurement of Power by Distribution Licensees issued by the Ministry of Power, Government of India from time to time.
- 5.3 The compensation paid by the long-term customer for the stranded transmission capacity shall be used for reducing transmission charges payable by other long-term customers and medium-term customers in the year in which such compensation payment is due in the ratio of transmission charges payable for that year by such long-term customers and medium-term open access customers.

#### 6.0. **INTER STATE LONG- TERM OPEN ACCESS**

- 6.1. STU/SLDC shall issue the concurrence/No Objection certificate or otherwise for the open access customers who opt for interstate Long term open access transactions as per CERC regulations, procedures in force. **In case the applicant is connected to the distribution licensee, the distribution licensee shall convey its consent or otherwise within 3 days of receipt of request of the applicant.**
- 6.2. Application for concurrence from STU/SLDC can be made by a Generating company, a consumer, an electricity trader or distribution licensee as per the format of CERC. The power station from which the power is being sourced should have been already connected to the grid in line with the Regulations. The application shall be submitted to STU/ SLDC. The application shall be addressed to the following address:  
The Chief Engineer/Grid Operation/TANTRANSCO  
SLDC Block, TNEB Complex  
144, Anna Salai  
Chennai -600 002.

- 6.3. In the application for concurrence, the applicant shall be required to indicate location of the injection point, drawal point, the quantum of power to be transferred, period of open access i.e. start period & end period and submit the same to nodal agency.
- 6.4. The following documents are to be enclosed with the application.
- (i) Proof for payment of non-refundable concurrence processing fee of Rs.5000/-per transaction.
  - (ii) Details of approved connectivity of the applicant with grid.
  - (iii) Power Purchase Agreement/Sale agreement.
  - (iv) Status of provision of ABT meters with AMR with DLMS facility.
  - (v) Status of Online Data transfer facility to SLDC.
  - (vi) If the Applicant is an Electricity Trader the copy of valid trading license issued by Appropriate Commission.
  - (vii) Consent/NOC of distribution licensee for sale/purchase of power to/from other states.
- 6.5 An incomplete Application, and/or an Application not found to be in conformity with these Procedures and Regulations, shall be rejected and the application fee will be forfeited.
- 6.6 **Processing of concurrence application.**  
SLDC/ STU shall check the application and convey its concurrence/NOC in the format specified by the CERC within 10 days from the receipt of the application.  
After getting concurrence from SLDC/ STU, the open Access customer shall approach CTU for further processing of application.

## **7.0 Collection of open access Charges**

- 7.1 All the open access charges such as Transmission charges, Scheduling and system operation charges, wheeling charges, cross subsidy surcharges, additional surcharges, grid availability charges, charges levied for harmonics, deviation charges and reactive energy charges as applicable shall be made by the applicant as per the prevailing CERC&TNERC Regulations and orders

7.2 **Payment security mechanism** – The applicant shall open an irrevocable letter of credit in favour of the agency responsible for collection of various charges for the estimated amount of various charges for a period of two months, including CSS calculated on the energy adjusted during the previous financial year and in case of New Open access applicants the energy proposed to be adjusted.

### **8.0. Scheduling of Long Term Open access Transaction**

8.1 Scheduling of interstate open access transactions shall be as specified by the Central Commission.

Intra state open access transactions in respect of consumers and all generating stations irrespective of capacity shall be scheduled by SLDC in accordance with the provisions of the TNE Grid code.

8.2 While scheduling on day-ahead basis, Distribution licensee/TANGEDCO followed by long-term access customers would have the highest priority, followed by medium term customers and then followed by short-term customers. In case of curtailment becoming necessary as a result of deviation by the applicant from final dispatch and drawal schedule intimated by SLDC, the use of such intra-State system shall be curtailed first, to the full extent of such deviation.

8.3 In case of curtailment of capacity by SLDC, transmission charges payable shall remain unaffected.

8.4 The day wise/block wise scheduling for LTOA transactions shall be carried out as per prevailing CERC/TNERC's Deviation Settlement Mechanism Regulations, Open access Regulations, Grid Code and other orders with amendments then and there. Accordingly the generators shall declare their ex-bus generation based on their open access approvals and SLDC shall issue despatch instructions based on their availability and open access approval. The generator shall maintain their generation as per the despatch instruction issued by SLDC.

## **9.0. Transmission and Distribution Losses**

### **9.1 Interstate transmission**

- (i) The open access customers shall bear the energy losses in the transmission system in accordance with the provisions specified by the Central Commission.
- (ii) In the case of open access consumers who purchase power from outside the State, the power received at ex-periphery of the State shall be scheduled after deduction of Transmission and Distribution losses in kind applicable to STU and Distribution Licensee's network depending upon the voltage level to which they are connected as provided in the Regulations/Orders of the Commission.
- (iii) In the case of generators selling the power outside the state, the generator shall compensate the Transmission and Distribution losses in kind applicable to STU and Distribution Licensee's and injection zone loss as per prevailing CERC regulations.

### **9.2 Intrastate transmission**

- (i) The open access customers shall bear the energy losses in the transmission system as per prevailing TNERC tariff orders until the losses are estimated by the State Load Despatch Centre. The information regarding average energy losses for the previous fifty two weeks will be posted on the website of State Load Despatch Centre. Fortnightly average transmission loss in the system on all open access customers shall be monitored by the SLDC. Till such time, the transmission losses as per prevailing TNERC orders shall be borne by the Open access customer.

### **9.3 Distribution loss**

In case of distribution open access, the Licensee shall estimate the losses for each category of voltages and furnish to the Commission. These losses as approved by Commission shall be borne by the open access customer.

## **10.0 Energy Accounting**

- 10.1 The Energy Accounting will be as per TNERC's Deviation Settlement Mechanism and related matters Regulation 2019 and Forecasting, Scheduling and Deviation Settlement and related matters for wind and solar generation Regulations 2019 and as per amendments issued from time to time.
- 10.2 The scheduled units on purchase/sale shall be accounted by SLDC and intimated to the Distribution licensee on monthly basis and the same shall be adjusted by the Distribution licensee.
- 10.3 For failure of the consumer to draw committed power, due to any reasons, the distribution licensee shall not compensate the consumer/generator.
- 10.4 In case the consumer draws power when the generator does not generate power or injects less than the committed power, the consumer shall pay excess charges as specified for such categories of consumers in the Commission's regulations/orders issued from time to time.

## **11.0 GENERAL**

- 11.1 The applicant shall keep the nodal agency and SLDC/STU indemnified at all times and shall undertake to indemnify, defend and keep the nodal agency, SLDC/STU harmless from any and all damages, losses, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the long-term access transaction.
- 11.2 Any amendment/modification to an existing application, except for reasons specifically mentioned in the procedure, shall be treated as a fresh application along with necessary application fee.
- 11.3 All costs/expenses/charges associated with the application, including bank draft, bank guarantee etc. shall be borne by the applicant.
- 11.4 Payment of transmission charges, fees and charges for the concerned SLDC /STU and Distribution licensee as well as other charges for SLDC, Deviation energy charges etc as applicable shall be made by the applicant as per the Regulations.

- 11.5 The applicant shall abide by the provisions of the Electricity Act, 2003, Rules, Regulations and Indian Electricity Grid Code, State Electricity Grid Code, CEA Regulations as amended from time to time.
- 11.6 Open access customers to the intra-State transmission system and the distribution system in the State on the date of coming into force of the Regulations under an existing agreement or contract shall be entitled to continue to avail such access to the transmission and distribution system on the same terms and conditions, as stipulated under such existing agreement or contract except regulations 25 and 26 of the Commission's open access Regulations. Regulations 25 and 26 are applicable to all open access customers. Such persons shall on expiry of such existing agreement or contract be eligible to avail long-term open access under the Regulations by making applications at least thirty days prior to the expiry of the existing agreement/contract.
- 11.7 This procedure aims at easy and pragmatic disposal of applications made for Long-term Access. However, some teething problems may still be experienced. The various implications would be known only after practical experience is gained by way of implementing these procedures. In order to resolve the same, this procedure shall be reviewed or revised by the Nodal agency with prior approval of the Commission.
- 11.8 All complaints regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to Long-term access in Intra STS/ Distribution system shall be directed to the Commission for redressal.

APPLICATION FOR GRANT OF LONG-TERM OPEN ACCESS  
(to be submitted by the customer to STU / SLDC)

To: The Chief Engineer/Grid Operation/Chennai-2,

1	Customer Application No.		Date	
2	Period of Transaction	<12 years to 25 years>		
3	Nature of Customer*	< seller/buyer/captive user/trader ( on behalf of seller/buyer/captiveuser)>		

< \* In terms of power transfer>

4	Customer Name			
5	Registration code		Valid up to	

< Registration code shall be as provided by SLDC>

6	Details of Transaction Party's to Grid			
		Injecting Entity	Drawee Entity	
	Name of Entity			
	Status of Entity*			
	Utility in which it is Embedded	< TANGEDCO/TANTRANSCO>	<TANGEDCO>	

< \* In terms of ownership-State Utility/ CPP/IP/ISGS/Discom/applicant/specify, if any other>

7	Details of Injecting/ Drawee Connectivity with Intra -State System			
		Injecting Entity		Drawee Entity
	Name of Sub-Station	Transmission		
		Distribution		
	Voltage Level	Transmission		
		Distribution		
	T&D Loss %			
	Name of Licensee(Owner of S/S)		<TANGEDCO/TANTRANSCO>	
	Intervening Intra-State Licensee			
	Intervening Inter-State Licensee			

< Distribution license, if required, may treat interface periphery as its connectivity points>

8	Open Access Sought for (Period from date to date)					
	Date		Hours		Capacity	
	From	To	From	To	MW*	



< MW\* at point of injection>

9	Details of PPA/PSA/MoU					
	Name & Address of Parties		Date of PPA/PSA/MoU	Validity Period		Capacity MW*
	Seller	Buyer		Commencement	Expiry	

< MW\* at point of injection>

10	Details of Non-Refundable Application Fee made				
	Bank Details	Instrument Details			Amount(Rs.)
		Type(Draft/Cash)	Instrument No.	Date	

11	Details of Bank Guarantee	
	Amount and Bank name	
	Period of validity	

122	I hereby authorize STU/SLDC to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of Intra-State ABT.
-----	--

13	<u>Declaration</u>
	All Entities/Utilities to transaction shall abide by provisions of Electricity Act 2003(the Act), TNERC (Grid connectivity and Intra-State Open Access ) Regulations, 2014 and any relevant Regulation/Order/Code as amended from time to time.

Place

Date

Designation

Signature (withstamp)

Name &

Enclosures

1. Application fee Payment Receipt.
2. Copy of grid connectivity approval.
- 3.LOA/Concurrence from Distribution Licensee
4. Co-gen status/CGP ownership criteria -formats prescribed in Commissions orders
5. A bank guarantee of Rs.10,000/- per MW (or) part there of the total power transmitted.
- 6.The copy of valid trading licensee[If the applicant is trader] issued by Appropriate Commission.
- 7.Copy of PPA/MoU/PSA entered between buyer and seller.
8. Any other relevant document specified by STU/SLDC.

**FORMAT-LTOA II**

**APPROVAL FOR Long – TERM OPEN ACCESS**

(Issued by STU/SLDC)

	Nodal STU/SLDC Approval No.		Date	
--	-----------------------------	--	------	--

1	Customer Application No.		Date	
2	Period of Transaction			
3	Nature of customer			
4	Customer Name		HTSC No.	
5	Customer EDC			

6	<b>Details of Transaction Party's to Grid</b>		
		Injecting Entity	Drawee Entity
	Name of the Entity		
	Status of Entity		
	Utility in which it is embedded		

7	<b>Details of Injecting/Drawee connectivity with Intra-State System</b>		
		Injecting Entity	Drawee Entity
Name of Sub-Station	Transmission		
	Distribution		
Voltage level	Transmission		
	Distribution		
T & D Loss %			
Name of Licensee(Owner of S/S)		TANTRANSCO	TANGEDCO

	Intervening Intra-State Licensee	N/A			
	Intervening Inter-State Licensee	N/A			
<b>8</b>	<b>Open Access Granted for:</b>				
	Period	Requested Quantum at Injection end (MW)		Approved Quantum at Injection end (MW)	
	From	To			
<b>9</b>	<b>Details of Non- Refundable Application Fee made</b>				
	TANTRANSCO collection A/C Head	Instrument Details			Amount (Rs.)
		Receipt No.	Date		
<b>10)</b>	<b>The approved transaction shall be incorporated in day –ahead scheduling in accordance with the provisions of TNERC Grid Connectivity and Intra State Open Access Regulations-2014.</b>				
<b>11)</b>	<b>The approval is subject to provisions of TNERC Grid Connectivity and Intra State Open Access Regulations, 2014 and any other relevant Regulation/Order/Code as amended and applicable from time to time.</b>				
<b>12)</b>	<b>In addition to the above, the captive users shall abide by the terms and conditions vide Annexure.</b>				
<b>13)</b>	<b>In case of captive wheeling, if the generator fails to maintain the CGP status and the consumer is proved to be the non captive user of that CGP, then the power availed as captive user during the entire period of open access transaction will be treated as third party transaction and will attract cross subsidy surcharge.</b>				

<b>Place :</b>	Signature(With Stamp)
<b>Date :</b>	
	Name & Designation

To

1.

2.

Copy Submitted To

Copy to

Long Term Open Access Agreement III  
(If system augmentation is involved)

This agreement made at \_\_\_\_\_ on this \_\_\_\_\_ day  
of \_\_\_\_\_ Two thousand \_\_\_\_\_ between M/s. \_\_\_\_\_  
(Name of the open access customer (Generator / consumer) and address)  
hereinafter called "the open access customer" which expression shall wherever the  
context so permits means and includes the successors in interest, executors,  
administrators and assigns represented by Thiru. \_\_\_\_\_ Son of  
\_\_\_\_\_ officiating as \_\_\_\_\_ in the generating  
company/entity of Consumer/ and having authorization to execute this agreement  
on behalf of it as Party of the **First part**

AND

State Transmission Utility (concerned Superintending Engineer / Operation Circle)  
/Transmission licensee/ The Distribution Licensee as the case may be  
(.....) having its office at  
..... hereinafter called  
"STU/Distribution Licensee" which expression shall wherever the context so permits  
means and includes the successors in interest, administrators and assigns  
represented by Thiru \_\_\_\_\_ S/o/D/o -----(-----  
----- ) as Party of the **Second part**

WHEREAS the parties herein have executed this agreement for carrying out the construction of transmission system and transmission / distribution system augmentation work with STU /Distribution licensee's network.

WHEREAS this agreement is only for construction of transmission system and transmission / distribution system augmentation. The open access customer (Generator/consumer) has to execute separate agreement for Open access/Wheeling after getting approval from the appropriate agency.

WHEREAS the open access customer (Generator/consumer) has expressed his consent to the Transmission Licensee/Distribution Licensee, his proposal to carry out the construction of transmission system work as per load flow study conducted by system studies wing in the Transmission Licensee/Distribution Licensee's Transmission network .

WHEREAS the open access customer (Generator/consumer) has paid the application fees wherever applicable as notified by the Tamil Nadu Electricity Regulatory Commission, hereinafter called "the Commission".

AND WHEREAS the STU/Distribution Licensee has accepted the proposal of the open access customer (Generator/consumer) for construction of transmission system to be executed by the open access customer (Generator/consumer) to Transmission networks as per Lr. No. \_\_\_\_\_ on the terms and conditions hereinafter mentioned.

**NOW THESE PRESENTS WITNESSETH AND THE PARTIES HEREBY AGREE AS FOLLOWS:**

**TERMS AND CONDITIONS.-**

**1. Definitions.-**

In this agreement,

(a) **“Force Majeure”** means any event which is beyond the control of the parties to this agreement which they could not foresee or with a reasonable amount of diligence could not have foreseen or which could not be prevented and which substantially affect the performance of either party such as but not limited to -

- i) natural disasters (earthquakes, hurricane, floods);
- ii) wars, riots or Civil Commotions and other upheavals;
- iii) grid / Transmission system’s failure not attributable to parties hereto;
- iv) pandemic as declared by the State/Central Government

(b) **“Inter connection point”** means the Generating Plant’s switchyard at which point the interconnection is established between the Generating Plant and the Transmission system;

\*In the case of renewable energy generator, the inter connection point means the interface point of renewable energy generating facility with the transmission system or distribution system, as the case may be:

- (i) in relation to wind energy projects and solar photovoltaic projects, inter connection point shall be line isolator on outgoing feeder on HV side of the pooling sub station;
- (ii) in relation to small hydro power, biomass power and non fossil fuel based cogeneration power projects and Solar Thermal Power Projects, the inter connection point shall be line isolator on outgoing feeder on HV side of generator transformer;

- (c) **“Interface line”** means the electric line between the interconnection point and the nearest point at which the electric line could technically be connected to the existing Transmission system; and
- (d) **‘Meter’** means a ‘Meter’ as defined in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time.

**2. Transmission system erection and system augmentation:-**

- (a) The open access customer (Generator/consumer) agrees to execute the construction of transmission system as per load flow study and pay for the augmentation works at the STU/Distribution Licensee’s substation which includes cost of bay extension, cost of switchgear, metering, protection, initial testing, commissioning charges etc. which will be executed by the STU/Distribution Licensee. The cost of augmentation works is Rs. . The open access customer shall pay the cost within 15 days of signing of this agreement.
- (b) The party to the first part will erect the transmission system and complete the works on or before 135 days from the date of submission of the application.
- (c) The party to the second part will complete the augmentation works in the substation before three months from the date of payment made by the open access customer towards cost of bay works, augmentation of other systems on or before 135 days from the date of submission of application.
- (d) If the open access customer or the STU/Distribution Licensee could not complete the works within the specified period, the parties to the agreement shall in mutual consultation agree for revised schedule for completion of works.
- (e) Where a dedicated transmission system used for open access has been constructed for exclusive use of an open access customer, the transmission, wheeling charges for such dedicated system shall be worked out by the licensee and got approved by the Commission and shall be borne entirely by such open access customer till such time the surplus capacity is allotted and used by other persons or for other purposes.

- (f) In case intra state transmission system or distribution system is used by an open access customer in addition to inter-state transmission system, transmission charges and wheeling charges as fixed and approved by the Commission shall be payable for use of intra-state system in addition to payment of transmission charges for inter-state transmission.
- (g) The open access customer and the STU/Distribution Licensee shall comply with the provisions contained in Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 which includes the following namely;
  - i) Connection Agreement;
  - ii) Site responsibility schedule;
  - iii) Access at Connection site;
  - iv) Site Common Drawings;
  - v) Safety;
  - vi) Protection System and Co-ordination; and
  - vii) Inspection, Test, Calibration and Maintenance prior to Connection.
- (h) The Open access customer shall comply with the safety measures contained in section 53 of the Electricity Act, 2003 (Act 36 of 2003);
- (i) Both the parties shall comply with the provisions contained in the Indian Electricity Grid Code, Tamil Nadu Electricity Grid Code, the Electricity Act, 2003, Rules, Regulations issued by the Commission / Central Electricity Authority /Gol and amendments issued thereon, from time to time; and
- (j) Both the parties shall comply with the guidelines issued by the Government of India / Government of Tamil Nadu, from time to time.

### **3. Operation and Maintenance-**

- (a) The open access customer agrees to minimize drawal of reactive power from the Licensee's network at an interconnection point as per the provisions of the Tamil Nadu Electricity Grid Code, the Indian Electricity Grid Code TNERC Regulations and orders as the case may be.
- (b) The open access customer agrees that the STU/Distribution Licensee shall not be responsible for any damage during the execution of transmission



system and that the STU/Distribution Licensee shall not be liable to pay any compensation for any such damage.

- (c) Grid availability shall be subject to the restriction and control as per the orders of the State Load Despatch Centre and as per Tamil Nadu Electricity Grid Code;
- (d) The open access customer (consumer) can avail the purchased power subject to the Restriction and Control measures imposed / approved by the Commission from time to time.
- (e) If the interfacing line is established by the generator, the interfacing line(s) shall be maintained by themselves after availing proper line clear from the concerned officer of the Distribution Licensee. Further the generator shall pay the annual bay maintenance cost to the STU/Distribution Licensee towards the bays provided at the licensee's substation where the interfacing line is terminated, at mutually agreed prices. Bills for the same will be sent from the concerned Official of STU / Distribution Licensee in the succeeding month and the generator will pay the bill within five working days of receipt of bill.
- (f) The Generator may also request the licensee to maintain the interfacing line and if the interfacing line is maintained by the STU/Distribution licensee the cost of maintenance of line including bay maintenance cost shall be paid by the generator within five days of receipt of bill, every month. The bills will be raised by the STU/Distribution licensee in the succeeding month.

#### **4. Submission of Bank Guarantee:**

- (a) The open access customer shall submit a bank guarantee for an amount of 10% of the total estimate cost of the augmentation system as specified in para 2 of the agreement. This Bank guarantee shall be valid from the date on which the work is proposed to be started as per the intimation of nodal agency up to the period of operationalisation of Long term open access by the applicant.
- (b) The bank guarantee of Rs.....(*an amount of 10% of the total estimate cost of the augmentation system as specified in para 2 of the agreement*) furnished along with the application seeking long term open access will stand discharged on submission of bank guarantee in clause (a) above

towards augmentation of the system i.e from the start date of validity of the said bank guarantee.

**5. Metering Arrangements.–**

- (a) ABT compliant interface meters with DLMS facility shall be installed as specified in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and its amendments and Commission's Open Access Regulations as amended from time to time. The procedure for installation of meters, taking readings, testing, calibration etc. shall be as the Regulations.
- (b) Energy Accounting Meters: If the generator happens to be an open access customer, he shall provide energy accounting meters as per the provisions of CEA Regulations 2006 and its amendments in order to ascertain the quantum of energy generated unit wise, Auxiliary consumption and consumption of energy for startup power. The energy meters shall be provided at various locations as agreed between parties to the agreement and approved by the licensee in the drawing.

**6. Charges. –**

- (a) Startup power Charges. – Start up power shall be provided as provided in the Commission's Open Access Regulations 2014 and the generator shall pay the Distribution Licensee for the supply of startup power as notified in the said Regulations.
- (b) Reactive energy charges – Reactive energy Charges are recoverable as per the Commission's regulations / Code /order in force.
- (c) Parallel Operation charges - Generating Plants who opt for parallel operation of the generator with licensee for safe and secure operation of the generator has to pay Parallel Operation charges every month as notified in Commission's Regulations/Orders. The bills for the same will be sent by the concerned officer of the STU/Distribution Licensee in the succeeding calendar month and the generator shall pay the bill within five working days of receipt of the bill.
- (d) Any additional charges that may be notified by the Commission at a later date shall also be levied, from the date as approved by the Commission.

- (e) In case of deviation between the schedule and the actual injection or drawal in respect of an open access customer shall come under the purview of the TNERC DSM Regulations and subsequent amendments as notified by the Commission from time to time. Till implementation of intra-state DSM, settlement will be made as provided in the Regulations.
- (f) In case the open access customer fails to make any payment due to STU/Distribution licensee, connectivity/open access will be discontinued after issue of notice of fifteen days without prejudice to STU/Distribution licensee's right to recover such dues by suit.

**7. Standard terms and conditions:-**

- (a) STU/Distribution licensee will have absolute ownership of the bay, equipments erected under augmentation for which payment has been made by the open access customer.
- (b) The works executed by the open access customer shall be with the qualified contractors of STU.
- (c) The Open access customer shall indemnify STU/Distribution licensee for any damage to equipments/accidents of any type including loss of life during the erection work and should be settled by the company.
- (d) For any damage to STU/Distribution licensee's equipments during the above erection work, the same shall be replaced at the open access customer's cost and the open access customer shall not claim any refund of amount from STU/Distribution Licensee
- (e) The open access customer shall pay the Operation and maintenance charges and rental charges and other charges, if any, for the bay equipments regularly to STU/Distribution Licensee as per prevailing orders of the Commission.
- (f) The materials to be procured should be as per specifications of STU/Distribution licensee.
- (g) The open access customer shall have to pay for any deviation in the estimate amount if any as and when intimated.

- (h) The open access customer shall adhere to the directions received from the State Load Despatch Centre under Sections 32,33& 37 of the Electricity Act,2003 and directions if any, issued under Sec.11 of Electricity Act,2003.
- (i) The open access customer shall adhere to the various provisions of Electricity Act 2003, Commission's Orders, Regulations, Tamil Nadu Electricity Grid Code etc., and their amendments issued from time to time.
- (j) The open access customer shall adhere to the instructions of the area LDC/SLDC as the case may be for grid availability and safe operation of the grid.
- (k) Any alteration or deletion in the terms and conditions of this agreement is to be carried out based on mutual agreement between the STU/Distribution Licensee and the open access customer.
- (l) STU/Distribution licensee shall not compensate the generator under any circumstances in case power could not be evacuated due to various reasons not limited to such as breakdown of line/equipment, grid disturbance etc. However, all efforts will be taken for maintaining STU/Distribution licensee's to the appropriate standards.

**8. Applicability of the Acts, Regulations and Guidelines.–**

The parties shall be bound by the provisions contained in the Electricity Act, 2003, Rules, Regulations, notifications, orders and subsequent amendments, if any, made there under from time to time by the Commission and the guidelines issued by the Government of India / Government of Tamil Nadu, as the case may be.

**9. Agreement Period. –**

- (a) The tenure of this agreement shall be for a period upto which the augmentation works are completed and the LTOA agreement in Format LTOA Agreement –IV is executed after completion of augmentation works.
- (b) The parties to the agreement may at any time once during tenure of agreement at the end of that financial year renegotiate the existing agreement mutually within the framework of the then existing relevant

regulations, codes and orders of the Commission in force for reasons other than clause 10 (c) of this agreement.

- (c) In case of any breach or violation of any of the clauses in this agreement or any other valid reasons, by any party, the other party shall be at liberty to cancel this agreement by giving thirty days notice.

**10. Settlement of Disputes. –**

A clause on reconciliation of energy /payment could be introduced if any dispute or difference of any kind whatsoever arises between the parties to this agreement. It shall, in the first instance, be settled amicably, by the parties, failing which either party may approach the Commission for the adjudication of such disputes under section 86 (1) (f) of the Electricity Act, 2003;

**11. Force Majeure. –**

Both the parties shall ensure compliance of the terms and conditions of this agreement. However, no party shall be liable for payment of any claim on any loss or damage whatsoever arising out of failure to carry out the terms of this agreement to the extent that such failure is due to force majeure. But any party claiming the benefit of this clause shall satisfy the other party of the existence of such an event(s), within 30 days of occurrence of the event(s)

In witness whereof Thiru.\_\_\_\_\_ acting for and on behalf of \_\_\_\_\_ (open access customer) and concerned Superintending Engineer / Operation Circle \_\_\_\_\_ Authorized Officer of the Transmission Licensee/Distribution Licensee acting for and on behalf of the Transmission Licensee/Distribution Licensee have hereunto set their hands on the day, month and year hereinabove first mentioned.

In the presence of witnesses:

- 1)
- 2)

Signature

Open access customer  
Common seal

In the presence of witnesses:

Signature

- 1) Superintending Engineer / Operation Circle concerned  
(Authorized Officer of the STU)
- 2) /Authorized Officer of the Transmission Licensee  
/ Authorized Officer of the Distribution Licensee

**Format- LTOA-IV**

**Long Term Open Access Agreement– IV**

**(To be executed between STU/Distribution Licensee and open access customer where no augmentation is involved)**

This agreement made at \_\_\_\_\_ on this \_\_\_\_\_ day  
of \_\_\_\_\_ Two thousand \_\_\_\_\_ between  
M/s. \_\_\_\_\_ (Name of the open access customer –  
Generator/Consumer, address) hereinafter called the ‘open access customer’  
which expression shall wherever the context so permits means and includes the  
successors in interest, executors, administrators and assigns represented by  
Thru. \_\_\_\_\_, S/o \_\_\_\_\_  
- officiating as \_\_\_\_\_ in the  
Company/firm/consumer entity and having authorization to execute the  
agreement on behalf of the it as Party of the **First part**  
and

M/s \_\_\_\_\_ (Name of the Superintending Engineer / Operation Circle Concerned / Transmission/ Distribution Licensee) \_\_\_\_\_  
\_\_\_\_\_ having its office at \_\_\_\_\_ hereinafter called "the STU/Licensee", which expression shall wherever the context so permits means and includes the successors in interest, administrator and assigns represented by the \_\_\_\_\_  
(Designation of the officer of STU/Distribution Licensee) as Party of the **Second part;**

WHEREAS the open access customer proposes to wheel the energy (Power) from \_\_\_\_\_ (Name and address of the Generating Plant/Plants) to the destination of consumption through the Transmission / Distribution network of the STU/Distribution Licensee under third party sale / Captive category.

OR

WHEREAS the open access customer has sent to the STU/Distribution Licensee, his proposal to wheel the energy generated from the Generating Plant having capacity of \_\_\_\_\_ MW installed at \_\_\_\_\_ village \_\_\_\_\_ taluk in \_\_\_\_\_ district / commissioned / to be commissioned on or about \_\_\_\_\_ through the STU/ Distribution Licensee's Transmission/Distribution network **to his use** bearing HT service ----- Numbers \_\_\_\_\_ (HT Tariff. \_\_\_\_\_) of

\_\_\_\_\_ in \_\_\_\_\_ Distribution Circle under third party sale / Captive category;

WHEREAS the open access customer has paid the open access registration fee, agreement fee and other fees as notified by the Tamil Nadu Electricity Regulatory Commission hereinafter called "the Commission";

AND

WHEREAS the STU/Distribution Licensee has accepted the proposal of the open access customer for wheeling of energy from the Generating Plant to the destination of use through the STU/Distribution Licensee's Transmission/Distribution networks under third party sale / Captive category as per LTOA approval No. \_\_\_\_\_ Lr. No. \_\_\_\_\_ on the terms and conditions hereinafter mentioned.

NOW THESE PRESENTS WITNESSETH AND THE PARTIES HEREBY AGREE AS FOLLOWS:

**TERMS AND CONDITIONS-**

**1. Definitions :**

In this agreement, -

- (a) **"Force Majeure"** means any event which is beyond the control of the parties to this agreement which they could not foresee or with a reasonable amount of diligence could not have foreseen or which could not be prevented and which substantially affect the performance of either party such as but not limited to -
- (i) natural disasters (earthquakes, hurricane, floods);
  - (ii) wars, riots or Civil Commotions and other upheavals;



(iii) grid / Transmission system's failure not attributable to parties

hereto;

(iv) pandemic as declared by the State/Central Government

(b) **“Inter connection point”** means the Generating Plant's switchyard at which the interconnection is established between the Generating Plant and the Transmission system;

\*In the case of renewable energy generator, the inter connection point means the interface point of renewable energy generating facility with the transmission system or distribution system, as the case may be:

(i) in relation to wind energy projects and solar photovoltaic projects, inter connection point shall be line isolator on outgoing feeder on HV side of the pooling sub station;

(ii) in relation to small hydro power, biomass power and non fossil fuel based cogeneration power projects and Solar Thermal Power Projects, the inter connection point shall be line isolator on outgoing feeder on HV side of generator transformer;

(c) **“Interface line”** means the electric line between the interconnection point and the nearest point at which the electric line could technically be connected to the existing Transmission system; and

(d) **‘Meter’** means a ‘Meter’ as defined in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time.

## 2. **Connectivity to the Grid :**

(a) The open access customer and the STU/Distribution Licensee shall comply with the provisions contained in Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 which includes the following namely;

- (i) Connection Agreement
- (ii) Site responsibility schedule;
- (iii) Access at Connection site;
- (iv) Site Common Drawings;
- (v) Safety;

- (vi) Protection System and Co-ordination; and
  - (vii) Inspection, Test, Calibration and Maintenance prior to Connection.
- (b) Both the parties agree to comply with the safety measures contained in section 53 of the Electricity Act,2003 (Act 36 of 2003);
  - (c) Both the parties shall comply with the provisions contained in the Indian Electricity Grid Code, Tamil Nadu Electricity Grid Code, the Electricity Act, 2003, Rules, and Regulations issued by the Commission/Central Electricity Authority/Gol and amendments issued thereon, from time to time; and
  - (d) Both the parties shall comply with the guidelines issued by the Government of India/Government of Tamil Nadu, from time to time.

**3. Operation and Maintenance:**

- (a) The open access customer agrees to minimize drawal of reactive power from the STU/Distribution Licensee's Transmission/Distribution network at the interconnection point as per the provisions of the Tamil Nadu Electricity Grid Code and the Indian Electricity Grid Code, as the case may be.
- (b) The open access customer agrees to maintain the equipments at his premises including the transformer, switch gear and protection equipments and other allied equipments at his cost to the satisfaction of the authorized officer of the STU/Distribution Licensee.
- (c) The changing of the rupturing capacity of the switch gear and settings of the relays, if any, shall be subject to the approval of the authorized officer of the STU/Distribution Licensee.
- (d) The sub-station at the premises of the open access customer shall be maintained effectively and operated by competent and qualified personnel.
- (e) Grid availability shall be subject to the restriction and control as per the orders of the State Load Dispatch Centre and as per Tamil Nadu Electricity Grid Code.
- (f) The consumer can avail the power from the Generating Plant subject to the Restriction and Control measures imposed / approved by the Commission from time to time.

4. **Bank guarantee:**

- (a) The bank guarantee of Rs.      Furnished along with the application seeking long term open access will stand discharged with operationalization of long-term open access, when augmentation of transmission system is not required.

5. **Metering Arrangements:**

- (a) The metering arrangements with DLMS facilities for AMR data transfer to record export and import of energy shall be provided in accordance with the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006, and its amendments Tamil Nadu Electricity Regulatory Commission's Grid Connectivity and Intra State Open Access Regulations, 2014 and its amendments, other Codes/ Regulations in consultation with STU/Distribution Licensee. The periodicity of testing, checking, calibration etc., will be governed by the Regulations issued by the Central Electricity Authority / Commission in this regard;
- (b) Main and Check Meters shall have facility to communicate its reading to State Load Dispatch Centre / Distribution Control Centre on real-time basis. Meter reading shall be taken as per the procedure devised by the STU/Distribution Licensee;
- (c) The STU/Distribution Licensee may provide Check Meters of the same specifications as that of Main Meters.
- (d) The open access customer can have a standby meter of the same specification, tested and sealed by the STU/Distribution Licensee.
- (e) The Main and Check Meters shall be tested for accuracy as per the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006. The meters may be tested using NABL accredited mobile laboratory or at any accredited laboratory in the presence of parties involved. Both parties shall seal Main and Check meters. Defective meter shall be replaced immediately.
- (f) Reading of Main and Check meters shall be taken periodically at appointed day and hour by authorized officer of the STU/Distribution Licensee in the presence of the open access customer or his representative.

- (g) Check meter readings shall be considered when Main Meters are found to be defective or stopped. Provided that, if difference between the readings of main and check meter vis-à-vis main meter reading exceeds twice the percentage error applicable to relevant class, both meters shall be tested and the one found defective shall be immediately replaced and reading of other will be considered.
- (h) If during test or calibration, both the main meter and the check meter are found to have errors beyond permissible limits, the bill shall be revised for the previous Three months or for the exact period if known and agreed upon by both the parties, by applying correction as determined by the STU/Distribution Licensee to the consumption registered by the meter with lesser error.
- (i) The open access customer shall check the healthiness of meters (due to blowing of the P.T. fuses or due to any other causes) by superficially checking indicator lamps or by taking readings as frequently as possible. If both the main meter and the check meter fail to record energy either due to the blowing of the P.T. fuses or due to any other causes, the energy imported /exported may be arrived at based on the standby meter, if available, or by mutual agreement of the parties involved.
- (j) The interface meters may be ABT compliant energy meters with DLMS facility with appropriate communication facilities to be connected with SLDC / Distribution Control Centre.

**6. Adjustment of Energy Generated and Wheeled:**

- (a) The minimum limit of load for sale through open access by the open access customer shall be governed by the Intra State Open Access Regulations. The net energy consumption shall be adjusted on unit-to unit basis as detailed below. - (i) Peak generation shall be adjusted against peak consumption; (ii) Normal generation shall be adjusted against normal consumption;(iii) Off peak generation shall be adjusted against off peak consumption. In the case of renewable energy, adjustment of energy shall be as per the relevant orders issued by the Commission.

- (b) As and when the Commission implements the Intra-State DSM, the adjustment of energy is subject to the Intra-State DSM regulations in force.

**7. Open access charges:**

- (a) Transmission and Wheeling charges. - Transmission and Wheeling charges shall be payable by the open access customer as per the order of the Commission for the time being in force.
- (b) Losses to be paid in kind - The open access customer shall compensate the average loss from the point of injection to the point of drawal as per the order of the Commission for the time being in force/ as per specific terms in the PPAs if any exists.
- (c) Scheduling and System operation Charges. - These charges shall be payable as per the order of the Commission for the time being in force.
- (d) Cross Subsidy Surcharge. & Additional surcharge: The cross subsidy surcharge shall be payable by the open access customer as per the orders of the Commission in force.
- (e) Deviation charge: Scheduling of all transactions pursuant to grant of long-term open access shall be carried out on day ahead basis in accordance with the relevant provisions of IEGC/CERC Open Access Regulations for inter-State transactions and in accordance with State Grid Code or Commission's Regulations / orders for intra-State transactions. Deviations between the schedule and the actual injection/drawal in respect of an open access consumer who is not a consumer of the Distribution licensee and the generator, shall be as per prevailing DSM Regulations,2014.
- (f) Startup power Charges –Start up power shall be provided as provided in the Commission's Open Access Regulations 2014 and its subsequent amendments and the generator shall pay the Distribution Licensee for the supply of startup power as notified in the said Regulations.
- (g) Reactive energy charges - Reactive energy Charges are recoverable as per the Commission's regulations / Code /order in force.
- (h) Parallel Operation charges -Captive Generating Plant who opt for parallel operation of the generator with licensee for safe and secure operation of the

generator has to pay Parallel Operation charges every month as notified by the Commission in the Regulation/Orders.

- (i) Any additional charges that may be approved by the Commission at a later date shall also be levied, with retrospective effect or from the date as approved by the Commission.

**8. Billing:**

- (a) 15minutes block wise energy accounting shall be done from the date of implementation of DSM Regulations.
- (b) The distribution licensee shall raise bills for the net energy consumed by the consumer after adjusting the wheeled energy, where the consumption by the consumer is more than the generation from the Generating Plant at the rate applicable to that category of consumer.
- (c) The distribution licensee shall raise bills on the consumer for the charges payable for back up power and power drawn for other purposes, wheeling charges, excess demand & excess energy charges, etc, as per the order / regulations of the Commission for the time being in force.
- (d) The STU/SLDC shall raise bills on the open access customer for the charges payable towards transmission charges, scheduling and system operation charges, etc. as per the order / regulations of the Commission for the time being in force.
- (e) In case the open access customer fails to make any payment due to STU/Distribution licensee within the specified due dates, wheeling/energy adjustment will not be made and action will be taken to withdraw the Open Access granted.
- (f) In case a person, to whom open access has already been allowed, is declared insolvent or is having outstanding dues for more than two months billing of transmission or distribution Licensee (or) fails to make any other charges pertaining to STU/Distribution licensee, he shall not be eligible for open access from the day he is adjudged as insolvent or failed to clear the amount outstanding for more than two months billing (or) fails to make any

other charges pertaining to STU/Distribution licensee, following the due procedure as in the Regulations.

**9. Payment of Security Deposit :**

The consumer drawing power from the Generating Plant shall pay to the distribution licensee a security deposit for the net energy supplied by the distribution licensee as specified by the Commission in its orders/ regulations in force.

**10. Standard Terms and Conditions:**

- (a) The quantum of power to be purchased by the open access consumer both interstate (collective transaction and bilateral transaction) and intra state open access transactions together shall not exceed their sanctioned demand at any time.
- (b) The open access consumers can use the purchased power only up to their sanctioned demand.
- (c) The open access customers have to pay the applicable charges as per prevailing TNERC Orders and regulations in force.
- (d) Any additional charges that may be approved by the Commission at a later date shall be levied from the date as approved by the Commission.
- (e) The Generator shall give necessary transaction wise day ahead schedule of the generation based on the OA approval to concerned officer of the Distribution licensee(SE's of Electricity Distribution Circles where open access customers both consumer, generator are located) and SLDC within the time frame mentioned in Tamil Nadu Electricity Grid Code.
- (f) The generator shall not declare their capacity over and above the approved quantum for LTOA for specified purpose. If they declare their capacity above the LTOA quantum, it will not be accounted.
- (g) The generator has to backdown/shutdown their generation as per SLDC instructions for which no compensation is eligible and it is the responsibility of the generator to intimate their open access consumers and concerned officers of Distribution Licensee(SE/EDCs) regarding their outage of plant or lesser

supply of committed power by giving due schedules. Accordingly the open access consumers shall reduce their drawal.

- (h) The Wheeled power scheduled at ex-periphery of the Generator shall be subject to deduction of STU/Distribution Licensee's Transmission and distribution losses as per the Regulations.
- (i) The generator shall not inject power into grid without any contracted agreement and necessary open access approval.
- (j) If the open access consumer does not draw the committed power due to any reason, the generator / consumer will not be compensated by the Distribution Licensee.
- (k) Load shedding in view of grid security is inevitable and hence lesser (non) drawal due to load shedding or feeder tripping on protection and break down shall not be compensated.
- (l) The billing and energy accounting shall be done on monthly basis. On implementation of intra state DSM regulation, based on the Open access approvals and schedules, the SLDC shall allocate slot wise/Block wise, consumer wise energy to the Distribution licensee. Accordingly the energy shall be adjusted slot wise/Block wise on first charge basis from their monthly consumption. As and when intrastate ABT is implemented 15 min block wise energy accounting will be done as per the TNERC DSM Regulations.
- (m) On implementation of intra state DSM regulation, issues related to Energy accounting towards generation, energy used by generators, used by open access consumers, penal measures and any other disputes arising in the above shall be sorted out at the SLDC.
- (n) In case of violation of any terms and conditions and/or non-payment of any of the charges payable, the open access shall be discontinued after giving advance notice of fifteen days to the customer and action taken as provided in the Regulations.
- (o) The STU reserves the right to withdraw the concurrence to operate the company's generator set in parallel with grid if any of the condition is violated or for any valid reason.



- (p) These conditions are in addition to other conditions as stipulated in the Commission's Regulations/orders in force.
- (q) The open access customer shall adhere to the various provisions of Electricity Act 2003, Electricity Rules 2005, Grid connectivity and Intra-state Open Access regulations 2014 and prevailing regulations/orders of the Commission and amendments.
- (r) The generator shall not claim any compensation for any difficulties arising due to outage, breakdown of the transmission system and for constraints in the grid.
- (s) In case the generator happens to be a captive power plant this approval does not absolve the generator from maintaining their CPP status. The generator is responsible to ensure the minimum percentage of their CPP consumption towards complying with Electricity Rules, 2005.
- (t) The permitted open access customer shall furnish an undertaking to the effect that the customer will strictly adhere the terms and conditions specified and indemnify STU/Distribution licensee for any loss or damage suffered by it by allowing wheeling under open access.
- (u) The generator shall not inject any power into the grid beyond approved open access period. If injected without approval it will not be accounted for billing.
- (v) STU/Distribution Licensee will not compensate the generator under any circumstances in case power could not be evacuated due to various reasons not limited to such as breakdown of line/equipment of STU grid disturbance etc. However all efforts shall be taken to maintaining STU's equipmentsto the appropriate standards.

**11. Applicability of the Acts, Regulations and Guidelines –**

The parties shall be bound by the provisions contained in the Electricity Act, 2003, Commission's Regulations, Rules, notifications, orders and the amendments issued from time to time and the guidelines issued by the Government of India/ Government of Tamil Nadu, as the case may be.

12. **Agreement Period –**

- (a) The tenure of this agreement shall be \_\_\_\_\_(years/months/days/hours) calculated from the date of this agreement and thereafter the tenure may be extended for further periods based on the mutual agreement between the STU/Distribution Licensee and the open access customer consistent with the Commission's Intra-State Open Access regulations. The classification of the terms (Long term, Medium term, Short-term, etc.) is as per the Commission's Intra State Open Access Regulations.
- (b) The parties to the agreement may at any time renegotiate the existing agreement mutually within the framework of the relevant regulations, codes and orders of the Commission in force.
- (c) The relinquishment of open access shall be as per the provisions of TNERC Grid connectivity and Intra State open access regulations 2014 and subsequent amendments thereon.

13. **Settlement of Disputes–**

If any dispute or difference of any kind whatsoever arises between the parties to this agreement, it shall, in the first instance, be settled amicably, by the parties, failing which either party may approach the Commission for the adjudication of such disputes under section 86 (1) (f) of the Electricity Act, 2003.

14. **Force Majeure –**

Both the parties shall ensure compliance of the terms and conditions of this agreement. However, no party shall be liable for any claim for any loss or damage whatsoever arising out of failure to carry out the terms of this agreement to the extent that such failure is due to force majeure. But any party claiming the benefit of this clause shall satisfy the other party of the existence of such an event(s);

In witness whereof Thru. \_\_\_\_\_ acting for and on behalf of \_\_\_\_\_ (consumer) and \_\_\_\_\_ Authorized Officer of the STU/ Transmission / Distribution Licensee acting for and on behalf of the STU/ Transmission/ Distribution Licensee have hereunto set their hands on the day, month and year hereinabove first mentioned.

In the presence of witnesses:

Signature

1.

Open Access Customer

2.

Common Seal

In the presence of witnesses:

Signature

1)

Superintending Engineer / Operation Circle concerned  
(Authorized Officer of the STU)

2)

/Authorized Officer of the Transmission Licensee  
/ Authorized Officer of the Distribution Licensee

**PROCEDURE FOR MAKING APPLICATION FOR  
GRANT OF INTRA-STATE MEDIUM TERM OPEN ACCESS TO INTRA STATE  
TRANSMISSION SYSTEM AND DISTRIBUTION SYSTEM**

**1. Submission of Application**

- 1.1 This procedure shall apply to the Applications made for Medium -Term Open Access (MTOA) for use of transmission lines of the intra-state transmission system (Intra STS)/Distribution system and/or associated facilities.
- 1.2 This Procedure is in accordance with the various provisions of the Tamil Nadu Electricity Regulatory Commission (Grant of Connectivity and Intra State Open Access) Regulations, 2014 hereinafter referred to as “Regulations”. This procedure is to be read in conjunction with the Regulations.
- 1.3 MTOA can be availed for the period as specified in the Regulations and as amended from time to time. No augmentation of transmission system shall be carried out for the sole purpose of granting MTOA. Construction of dedicated transmission line shall not be construed as augmentation of the transmission system.
- 1.4 The start date of the medium-term open access shall not be earlier than 5 months and not later than 1 year from the last day of the month in which application has been made.
- 1.5 Application for MTOA can be made by a Generating company including a captive generating plant, a consumers, licensees provided the power station from which the power is being sourced or the load as the case may be, should have been already connected to grid or granted permission for connectivity to the grid or already have applied for connectivity to the grid.
- 1.6 The application for MTOA shall be made in the prescribed format (FORMAT MTOA-1) to the nodal agency SLDC/STU as the case maybe. The application shall be accompanied by an undertaking of not having entered into a Power Purchase Agreement(PPA) or any other bilateral agreement

with more than one person for the same quantum of power for which open access is sought. The nodal agencies shall be as notified in the Regulations.

Presently, the nodal agencies are as follows:

Nodal agency:

Sl. No.	Location of drawal and injection point		***Nodal Agency
	Injection	Drawal	
1	*Distribution System	Distribution System	SLDC
2	Distribution System	Intra State Transmission System	STU
3	** Intra State Transmission System	Intra State Transmission System	STU
4	Intra State Transmission System	Distribution System	STU

\*Distribution System :33 KV and below.

\*\*Transmission System :66 KV and above

When the location of injection and drawal points are in different states, the nodal agency shall be the CTU as per the Regulations.

1.7 The application shall be addressed to:

When SLDC is the Nodal agency –

Superintending Engineer/Commercial Operation/TANTRANSCO

3<sup>rd</sup> Floor, TANTRANSCO Building,

144, Anna Salai,

Chennai-600 002

When STU is the Nodal agency -:

Chief Engineer/ GridOperation/TANTRANSCO

3<sup>rd</sup> Floor, TANTRANSCO Building,

144, Anna Salai

Chennai-600 002.

\*\*\* In the case of Renewable energy generators, applications may be addressed to the Chief Engineer/NCES, II Floor, NPKRR Maaligai,144, Anna Salai, Chennai-2.

1.8 Application fee and documents to be enclosed:

1.8.1 The application for open access shall be accompanied with fee and other documents as follows:

Sl. No.	Location of drawal and injection point		*Application Fee in Rs.	
	Injection	Drawal	For capacity 10MW and above	For capacity less than 10MW
1	Distribution System	Distribution System	50,000	25,000
2	Distribution System	Intra State Transmission System	1,00,000	50,000
3	Intra State Transmission System	Intra State Transmission System	1,00,000	50,000
4	Intra State Transmission System	Distribution System	1,00,000	50,000

\*The application fee is inclusive of load flow studies

1.8.2 Documents to be enclosed with the application:

- (i) Proof for payment of non-refundable application fee.
- (ii) Consent from concerned Distribution licensee
- (iii) PPA or Power Sale/ purchase agreement
- (iv) In case of generating station not already connected to the grid, documentary evidence for completion of the connectivity showing that the same shall be completed before the intending date of Medium term open access. The implementation of MTOA shall be only after declaration of COD.
- (v) In case the application is made for transmitting power to the captive users, the procedure as per the Commission's orders read with provisions of the Act/Rules/Regulations shall be followed. In the

case of co generation plant, proof of qualification of cogeneration status in accordance to the notifications/guidelines of Ministry of Power, issued by concerned officer.

- (vi) If the Applicant is an Electricity Trader, the copy of valid trading license issued by the Appropriate Commission.
  - (vii) Status of provision of ABT meters with DLMS facility / metering set for AMR data transfer to SLDC.
  - (viii) Status of Data transfer facility to SLDC
  - (ix) Bank guarantee as prescribed in clause 1.12 of this procedure.
  - (x) an undertaking of not having entered into a Power Purchase Agreement (PPA) or any other bilateral agreement with more than one person for the same quantum of power for which open access is sought.
- 1.9 The application fee may be paid through the online payment provision of “SBI Collect” or any other mode as notified by the nodal agency. The payment reference shall be intimated in the application.
- 1.10 In the application for MTOA, the applicant shall be required to indicate location of the injection point, drawal point, the quantum of power to be transferred, period of open access i.e. start period and end period etc and submit the same to nodal agency.
- 1.11 An incomplete application and/or an application not found to be in conformity with these procedures and Regulations shall be rejected.
- 1.12 The application shall be accompanied by a bank guarantee of Rs. 2,000/- (Rupees two thousand only) per MW or part there of the total power to be transmitted. The bank guarantee shall be in favour of the officer to be notified by the nodal agency.
- 1.13 The bank guarantee shall be valid and subsisting till operationalisation of Medium-Term open access.
- 1.14 The bank guarantee may be encashed by the nodal agency,
- i. if the application is withdrawn by the applicant or
  - ii. the Medium-Term open access rights are relinquished prior to the operationalisation of such rights.

- iii. If the applicant fails to sign the Medium Term Open Access agreement with STU /SLDC or a tripartite agreement with STU /SLDC and intra State transmission licensee other than STU, as the case maybe within the stipulated time indicated in the intimation letter.
  - iv. If the applicant fails to revalidate the earlier furnished bank guarantee prior to its expiry.
- 1.15 The start date of MTOA can be any day of the month. However, it shall not be earlier than five months and later than one year from the last day of the month in which the application has been made.

## 2.0 **PROCESSING OF APPLICATIONS :-**

- 2.1 The application shall be processed on first come first served basis. In case of applications received by post, the date of receipt of applications in the office of the nodal agency shall be considered as the date of the application. On establishment of IT infrastructure at STU / SLDC, applications will be processed through online.
- 2.2 The nodal agency shall carry out system studies in Intra STS/Distribution system to examine the adequacy of the transmission system and inform the applicant of the grant of open access within a short period, so that the decision to grant medium term access is arrived within the time frame specified in the Regulations i.e. 20/40 days from the date of receipt of application. The load flow results shall reveal the works involved with cost estimates. Where a dedicated line is to be erected, the applicant shall be informed accordingly. The intimation of grant of open access shall be provisional and shall be applicable only after signing of necessary agreement, and shall be part of the agreement.
- 2.3 The load flow study results will be communicated to the applicant by nodal agency informing the time limit within which the concurrence shall be given by the applicant from the receipt of the communication from nodal agency. If concurrence is not given by the applicant within stipulated time, the application will be treated as cancelled.



The works shall be completed by the applicant/STU/Distribution licensee as the case maybe within the timelines specified in the agreements. The timelines shall be fixed such that the time frame for disposal of application mentioned in schedule 1 and 2 for applicants connected to the Distribution system and applicants connected to the intra State transmission system of the Regulations are complied with i.e. 20/40 days from the date of receipt of application respectively.

- 2.4 After the completion of the work the MTOA approval will be issued by the Nodal agency within the time specified in the schedule 1 & 2 of the Regulations i.e. 20/40 days from the date of receipt of application.
- 2.5 In case, the grid connectivity is under process while applying for MTOA, the MTOA commencing date will be only after the date of COD by the generator. However the open access customer shall pay the open access charges from the committed date of COD.
- 2.6 If the transmission system capacity is not adequate, the nodal agency may refuse the MTOA within the time frame specified in schedule 1 and 2 of the Commission's Open Access Regulations, i.e. 20/40 days from the date of receipt of application.
- 2.7 On being satisfied that the requirements specified in regulations 9 and 10 of the Regulations are complied with, the nodal agency shall grant medium term open access for the period stated in the application.  
Provided that for reasons to be recorded in writing, the nodal agency may grant MTOA for a period less than that sought for by the applicant.  
On receipt of concurrence, the nodal agency shall intimate grant of open access and direct the applicant to enter into a medium term open access agreement with STU in the FORMAT MTOA I.
- 2.8 The medium-term open access agreement shall contain the date of commencement of medium-term open access, the point of injection of power into the grid and point of drawal from the grid, quantum of power to be transmitted, the details of works to be undertaken with timelines, and the open access charges to be paid by the applicant to STU, SLDC and Distribution licensee.

- 2.9 In case transmission system of Intra-state transmission licensee other than STU is used, the applicant shall sign a tripartite medium term open access agreement with STU and intra-State transmission licensee.
- 2.10 The applicant shall make payment of necessary charges within the time specified by the nodal agency. If the work is carried out by the applicant, the establishment and supervision charges shall be paid by the applicant within the time stipulated in the advise.
- 2.11 Immediately after grant of medium-term open access, the nodal agency shall inform the SLDC and Distribution licensee concerned so that they can consider the same while processing requests for short- term open access received under the Regulations.

### **3.0 Consent by distribution licensee:**

- ~~3.1~~ In respect of a consumer connected to a distribution system seeking Open access, such consumer shall be required to submit the consent of the distribution licensee concerned. The distribution licensee shall convey its consent to the applicant by e-mail or fax or by any other usually recognized mode of communication, within three (3) working days of receipt of the application. The consent shall be as per Format 6.
- 3.2 While processing the application from a generating station seeking consent for open access, the distribution licensee shall verify the following, namely-
- (i) Existence of infrastructure necessary for time-block-wise energy metering and accounting in accordance with the provisions of the State Grid Code in force; and
  - (ii) Availability of capacity in the distribution network; and
  - (iii) Availability of Remote Terminal Unit (RTU) and communication facility to transmit real-time data to the SLDC or Distribution Control Centre (DCC)
- 3.3 Where existence of necessary infrastructure and availability of capacity in the distribution network has been established, the distribution licensee shall convey its consent to the applicant by e-mail or fax or by any other usually

recognized mode of communication, within three (3) working days of receipt of the application;

- 3.4 In case the distribution licensee finds that the application for consent is incomplete or defective in any respect, it shall communicate the deficiency or defect to the applicant by e-mail or fax or by any other usually recognized mode of communication, within two (2) working days of receipt of the application;
- 3.5 In case the application has been found to be in Order but the distribution licensee refuses to give consent on the grounds of non- existence of necessary infrastructure or unavailability of surplus capacity in the distribution network, such refusal shall be communicated to the applicant by e-mail or fax or by any other usually recognized mode of communication, within the period of three (3) working days from the date of receipt of the application, along with reasons for such refusal;
- 3.6 Where the distribution licensee has not communicated any deficiency or defect in the application within two (2) days from the date of receipt of application, or refusal or consent within the specified period of three (3) working days from the date of receipt of the application as the case may be , consent shall be deemed to have been granted;  
Provided that the applicant shall submit to the Nodal agency a copy of the acknowledgement, if any, given by the Distribution licensee, or any other evidence in support of delivery of the application to the Distribution licensee.
- 3.7 Notwithstanding anything contained in this procedure/ISOA Regulations, the Nodal Agency shall be at liberty to summarily reject an application for Open Access on the ground of non compliance of the provisions of these Regulations, more specifically the provisions relating to timely payment of the charges leviable hereunder.

#### **4. Renewal of Medium-Term Open access**

- 4.1 On the expiry of period of the medium-term open access, the medium-term customer shall not be entitled to any overriding preference for renewal of the term.

## **5. Relinquishment of access rights**

- 5.1.1 A customer who has been granted MTOA may relinquish rights, fully or partly, by giving at least 30 days prior notice to the nodal agency, provided that the medium-term customer relinquishing its rights shall pay applicable transmission charges for the period of relinquishment or 30 days whichever is lesser.

## **6. INTERSTATE MEDIUM TERM OPEN ACCESS**

- 6.1 SLDC shall issue the concurrence/No Objection certificate for the open access customers who opt for interstate medium term open access transactions as per CERC regulations/procedures in force. In case the applicant is connected to the distribution licensee, the distribution licensee shall convey its consent or otherwise within 3 days of receipt of request of the applicant.
- 6.2 Application for concurrence from SLDC can be made by a Generating station, a consumer, an electricity trader or distribution licensee as per the format of CERC. The power station from which the power is being sourced or the load as the case may be, should have been already connected to grid in line with the Regulations. The application shall be submitted to SLDC. The application shall be sent to the following address:  
The Chief Engineer/Grid Operation/TANTRANSCO  
3<sup>rd</sup> Floor, TANTRANSCO Building,  
144, Anna Salai  
Chennai-600 002.
- 6.3 In the application for concurrence, the applicant shall be required to indicate location of the injection point, drawal point, the quantum of power to be transferred, period of open access i.e. start period & end period and submit the same to nodal agency in the format prescribed by CERC.
- 6.4 Documents to be enclosed with the application:
- 1) Proof for payment of non-refundable concurrence processing fee of Rs.5000/- per transaction.
  - 2) Details of approved connectivity of the applicant with the grid.

- 3) Power Purchase agreement.
- 4) Status of provision of ABT meters and metering set with DLMS.
- 5) Status of Data transfer facility to SLDC.
- 6) If the Applicant is an Electricity Trader, the copy of valid trading license issued by the Appropriate Commission.
- 7) Consent/NOC by Distribution licensee for sale/purchase of power to/from other states.

6.5 An incomplete Application, and/or an Application not found to be in conformity with these Procedures and Regulations, shall be rejected and application fee will be forfeited.

## **7. Processing of concurrence application.**

7.1 SLDC shall check the application and convey its concurrence/NOC in the format specified by the CERC within 10 days from the receipt of the application.

After getting concurrence from SLDC, the HT consumer/generator shall approach CTU for further processing of application.

## **8. Collection of open access Charges.**

8.1 All the open access charges such as Transmission charges, Scheduling and system operation charges, wheeling charges, cross subsidy charges, additional surcharges, Grid availability charges, deviation energy charges and Reactive energy charges as applicable shall be made by the applicant as per the prevailing CERC & TNERC Regulations and orders.

8.2 **Payment security mechanism** – The applicant shall open an irrevocable letter of credit in favour of the agency responsible for collection of various charges for the estimated amount of various charges for a period of two months including CSS calculated on the energy adjusted during the previous financial year and in case of New Open access applicants the energy proposed to be adjusted.

## **9. Scheduling of Medium Term Open access Transaction**

- 9.1 The scheduling of MTOA transactions shall be as per the Regulations. While scheduling on day-ahead basis, Distribution licensee / TANGEDCO followed by long-term access customers would have the highest priority, followed by medium term customers and then followed by short-term customers.
- 9.2 In case of curtailment becoming necessary as result of deviation by the applicant from final dispatch and drawal schedule intimated by SLDC, the use of such intra-State system/distribution system shall be curtailed first, to the full extent of such deviation.
- 9.3 In case of curtailment of capacity by SLDC, transmission charges payable shall remain unaffected.

The day wise/block wise scheduling for MTOA transactions shall be carried out in accordance with the CERC/TNERC's Deviation Settlement Mechanism Regulation, open access regulations, grid code and other orders with amendments then and there. Accordingly the generators shall declare their ex-bus generation based on their open access approvals and SLDC shall issue despatch instructions based on their availability and open access approval. The generator shall maintain their generation as per the despatch instruction issued by SLDC.

## **10. Transmission and Distribution Losses**

### **10.1 Interstate transmission**

- (i) The open access customers shall bear the energy losses in the transmission system in accordance with the provisions specified by the Central Commission.
- (ii) In the case of open access consumers who purchase power from outside the State, the power received at ex-periphery of the State shall be scheduled after deduction of Transmission and Distribution losses in kind applicable to STU and Distribution Licensee's network depending upon the voltage level to which they are connected as provided in the Regulations/Orders of the Commission.
- (iii) In the case of generators selling the power outside the state, the generator shall compensate the Transmission and Distribution losses

in kind applicable to STU and Distribution Licensee's and injection zone loss as per prevailing CERC regulations.

#### **10.2 Intra state transmission**

- i. The open access customers shall bear the energy losses in the transmission system as estimated by the State Load Despatch Centre. The information regarding average energy losses for the previous fifty two weeks shall be posted on the website of State Load Despatch Centre. Fortnightly average transmission loss in the system on all open access customers shall be monitored by the SLDC. Till such time this method is adopted, the loss percentage as approved by the state regulatory commission shall be considered.

#### **10.3 Distribution loss**

In case of distribution open access, the Licensee shall estimate the losses for each category of voltages and furnish to the Commission. These losses as approved by Commission shall be borne by the open access customer.

### **11. Energy Accounting.**

- 11.1 The Energy Accounting shall be as per TNERC's Deviation Settlement Mechanism and related matters Regulation 2019 and Forecasting, Scheduling and Deviation Settlement and related matters for wind and solar generation Regulations 2019.
- 11.2 On implementation of Deviation settlement mechanism the scheduled units on purchase shall be accounted by SLDC and intimated to the Distribution licensee on monthly basis and the same shall be adjusted by the Distribution licensee as per the formulated procedure.
- 11.3 For failure of the consumer to draw committed power, due to any reasons, the distribution licensee shall not compensate the consumer / generator.
- 11.4 In case the consumer draws power when the generator does not generate power or injects less than the committed power, the consumer shall pay excess charges as specified for such categories of consumers in the Commission's regulations/orders issued from time to time.

- 11.5 Deviation from schedule will be governed by the provisions of DSM Regulations.
- 11.6 Till such time the Deviation settlement mechanism is implemented, the existing procedure of energy accounting / allotment based on actual injection of energy shall be continued.

## **12. GENERAL**

- 12.1 The applicant shall keep the nodal agency(SLDC/STU) indemnified at all times and shall undertake to indemnify, defend and keep the nodal agency, harmless from any and all damages, losses, claims and actions including those relating to injury or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the Medium-Term open access transaction.
- 12.2 Any amendment/modification to an existing application, except for reasons specifically mentioned in the procedure, shall be treated as a fresh application.
- 12.3 All costs/expenses/charges associated with the application, including bank draft, bank guarantee etc. shall be borne by the applicant.
- 12.4 Payment of transmission charges, fees and charges for the concerned SLDC, STU and Distribution licensee /TANGEDCO as well as other charges for SLDC, unscheduled inter-change charges etc. as applicable shall be made by the applicant as per the Regulations.
- 12.5 The applicant shall abide by the provisions of the Electricity Act, 2003, Rules, Regulations and Indian Electricity Grid Code, State Electricity Grid Code as amended from time to time.
- 12.6 Open access customers to the intra-State transmission system and the distribution system in the State on the date of coming into force of these Regulations under an existing agreement or contract shall be entitled to continue to avail such access to the transmission and distribution system on the same terms and conditions, as stipulated under such existing agreement or contract except regulations 25 and 26 of the Commission's open access



Regulations. Regulations 25 and 26 are applicable to all open access customers. Such persons shall on expiry of such existing agreement or contract be eligible to avail open access under the Regulations by making applications at least 30 days prior to the expiry of the existing agreement/contract.

- 12.7 This procedure aims at easy and pragmatic disposal of applications made for Medium-Term Access in Intra STS. However, some teething problems may still be experienced. The various implications would be known only after practical experience is gained by way of implementing these procedures. In order to resolve the same, this procedure shall be reviewed or revised by the Nodal agency with prior approval of the Commission.
- 12.8 All complaints regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to Medium-Term open access in Intra STS/Distribution system shall be directed to the Commission for redressal.

**APPLICATION FOR GRANT OF MEDIUM-TERM OPEN ACCESS**  
(to be submitted by the customer to STU / SLDC)

To: The Chief Engineer/Grid Operation/Chennai-2,

1	Customer Application No.		Date	
2	Period of Transaction	<3 month to 3 years>		
3	Nature of Customer*	< seller/buyer/captive user/trader ( on behalf of seller/buyer/captiveuser)>		

< \* In terms of power transfer>

4	Customer Name			
5	Registration code		Valid up to	

< Registration code shall beas provided by SLDC>

6	Details of Transaction Party's to Grid			
		Injecting Entity	Drawee Entity	
	Name of Entity			
	Status of Entity*			
	Utility in which it is Embedded	< TANGEDCO/TANTRANSCO>	<TANGEDCO>	

< \* In terms of ownership-State Utility/CPP/IP/ISGS/Discom/applicant/specify, if any other>

7	Details of Injecting/ Drawee Connectivity with Intra -State System			
		Injecting Entity	Drawee Entity	
	Name of Sub-Station	Transmission		
		Distribution		
	Voltage Level	Transmission		
		Distribution		
	T&D Loss %			
	Name of Licensee(Owner of S/S)		<TANGEDCO/TANTRANSCO>	
	Intervening Intra-State Licensee			
	Intervening Inter-State Licensee			

< Distribution license, if required, may treat interface periphery as its connectivity points>

8	Open Access Sought for (Period from date to date)					
	Date		Hours		Capacity	
	From	To	From	To	MW*	

< MW\* at point of injection>

9	Details of PPA/PSA/MoU					
	Name & Address of Parties		Date of PPA/PSA/MoU	Validity Period		Capacity
	Seller	Buyer		Commencement	Expiry	MW*

< MW\* at point of injection>

10	Details of Non-Refundable Application Fee made				
	Bank Details	Instrument Details			Amount(Rs.)
		Type(Draft/Cash)	Instrument No.	Date	

11	Details of Bank Guarantee		
	Amount and Bank name		
	Period of validity		

122	I hereby authorize STU/SLDC to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of Intra-State ABT.
-----	--

13	<u>Declaration</u>
	All Entities/Utilities to transaction shall abide by provisions of Electricity Act 2003(the Act), TNERC (Grid connectivity and Intra-State Open Access ) Regulations, 2014 and any relevant Regulation/Order/Code as amended from time to time.

PlaceSignature (withstamp)

Date

Name & Designation

Enclosures

1. Application fee Payment Receipt.
2. Copy of grid connectivity approval.
3. LOA/Concurrence from Distribution Licensee
4. Co-gen status/CGP -ownership criteria - formats prescribed in Commissions orders
5. A bank guarantee of Rs.2,000/- per MW (or) part there of the total power transmitted.
6. The copy of valid trading licensee[If the applicant is trader] issued by Appropriate Commission.
7. Copy of PPA/MoU/PSA entered between buyer and seller.
8. Any other relevant document specified by STU/SLDC.

**APPROVAL FOR MEDIUM – TERM OPEN ACCESS**

(Issued by STU/SLDC)

	Nodal STU/SLDC Approval No.		Date	
--	-----------------------------	--	------	--

1	Customer Application No.		Date	
2	Period of Transaction			
3	Nature of customer			
4	Customer Name		HTSC No.	
5	Customer EDC			

6	<b>Details of Transaction Party's to Grid</b>			
		Injecting Entity	Drawee Entity	
	Name of the Entity			
	Status of Entity			
	Utility in which it is embedded			

7	<b>Details of Injecting/Drawee connectivity with Intra-State System</b>			
		Injecting Entity	Drawee Entity	
Name of Sub-Station	Transmission			
	Distribution			
Voltage level	Transmission			
	Distribution			
T & D Loss %				

Name of Licensee(Owner of S/S)	TANTRANSCO	TANGEDCO
Intervening Intra-State Licensee	N/A	
Intervening Inter-State Licensee	N/A	

8	<b>Open Access Granted for:</b>					
	Period		Requested Quantum at Injection end (MW)		Approved Quantum at Injection end (MW)	
	From	To				
9	<b>Details of Non- Refundable Application Fee made</b>					
TANTRANSCO collection A/C Head	Instrument Details				Amount (Rs.)	
	Receipt No.		Date			

- 10) The approved transaction shall be incorporated in day –ahead scheduling in accordance with the provisions of TNERC Grid Connectivity and Intra State Open Access Regulations-2014.
- 11) The approval is subject to provisions of TNERC Grid Connectivity and Intra State Open Access Regulations, 2014 and any other relevant Regulation/Order/Code as amended and applicable from time to time.
- 12) In addition to the above, the captive users shall abide by the terms and conditions vide Annexure.
- 13) In case of captive wheeling, if the generator fails to maintain the CGP status and the consumer is proved to be the non captive user of that CGP, then the power availed as captive user during the entire period of open access transaction will be treated as third party transaction and will attract cross subsidy surcharge.

**Place :**

Signature(With Stamp)

**Date :**

Name & Designation

**To**

**1.**

**2.**

Copy Submitted To

Copy to

**Medium Term Open Access Agreement MTOA-I**  
**(To be executed between STU/Distribution Licensee and open access customer )**

This agreement made at \_\_\_\_\_ on this \_\_\_\_\_ day  
of \_\_\_\_\_ Two thousand \_\_\_\_\_ between  
M/s. \_\_\_\_\_ (Name of the open access customer –  
Generator/Consumer, address) hereinafter called the ‘open access customer’  
which expression shall wherever the context so permits means and includes the  
successors in interest, executors, administrators and assigns represented by  
Thiru. \_\_\_\_\_, S/o \_\_\_\_\_  
- officiating as \_\_\_\_\_ in the  
Company/firm/consumer entity and having authorization to execute the  
agreement on behalf of the it as Party of the **First part**

and

State Transmission Utility (concerned Superintending Engineer / Operation  
Circle) /Transmission licensee / The Distribution  
Licensee \_\_\_\_\_  
\_\_\_\_\_ having its office at \_\_\_\_\_ hereinafter  
called “the STU/Distribution Licensee”, which expression shall wherever the context  
so permits means and includes the successors in interest, administrator and  
assigns \_\_\_\_\_ represented \_\_\_\_\_ by  
the \_\_\_\_\_ (Designation of the  
officer of STU/Distribution Licensee) as Party of the **Second part**;

WHEREAS the open access customer proposes to wheel the energy (Power) from \_\_\_\_\_ (Name and address of the Generating Plant/Plants) to the destination of consumption through the Transmission / Distribution network of the STU/Distribution Licensee;

OR

WHEREAS the open access customer has sent to the STU/Distribution Licensee, his proposal to wheel the energy generated from the Generating Plant having capacity of \_\_\_\_\_ MW installed at \_\_\_\_\_ village \_\_\_\_\_ taluk in \_\_\_\_\_ district / commissioned / to be commissioned on or about \_\_\_\_\_ through the STU/Distribution Licensee's Transmission/Distribution network **to his use** bearing HT service ----- Numbers \_\_\_\_\_ (HT Tariff. \_\_\_\_\_) of \_\_\_\_\_ in \_\_\_\_\_ Distribution Circle;

WHEREAS the open access customer has paid the open access registration fee, agreement fee and other fees as notified by the Tamil Nadu Electricity Regulatory Commission hereinafter called "the Commission";

AND

WHEREAS the STU/Distribution Licensee has accepted the proposal of the open access customer for wheeling of energy from the Generating Plant to the destination of use through the STU/Distribution Licensee's Transmission/Distribution networks as per MTOA approval No. Lr. No. \_\_\_\_\_ on the terms and conditions hereinafter mentioned.



NOW THESE PRESENTS WITNESSETH AND THE PARTIES HEREBYAGREE AS FOLLOWS:

## **TERMS AND CONDITIONS-**

### **1.0 Definitions :**

In this agreement, -

- a) **“Force Majeure”** means any event which is beyond the control of the parties to this agreement which they could not foresee or with a reasonable amount of diligence could not have foreseen or which could not be prevented and which substantially affect the performance of either party such as but not limited to
- (i) natural disasters (earthquakes, hurricane, floods);
  - (ii) wars, riots or Civil Commotions and other upheavals;
  - (iii) grid / Transmission system’s failure not attributable to parties hereto;
  - (iv) pandemic as declared by the State/Central Government
- b) **“Inter connection point”** means the Generating Plant’s switch yard at which point the interconnection is established between the Generating Plant and the Transmission system;
- \*In the case of renewable energy generator, the inter connection point means the interface point of renewable energy generating facility with the transmission system or distribution system, as the case may be:
- (i) in relation to wind energy projects and solar photovoltaic projects, inter connection point shall be line isolator on outgoing feeder on HV side of the pooling sub station;
  - (ii) in relation to small hydro power, biomass power and non fossil fuel based cogeneration power projects and Solar Thermal Power Projects, the inter connection point shall be line isolator on outgoing feeder on HV side of generator transformer;

- c) **“Interface line”** means the electric line between the interconnection point and the nearest point at which the electric line could technically be connected to the existing Transmission system; and
- d) **‘Meter’** means a ‘Meter’ as defined in the Central Electricity Authority(Installation and Operation of Meters) Regulations, 2006 as amended from time to time.

## **2.0. Connectivity to the Grid :**

- (a) The open access customer and the STU/Distribution Licensee shall comply with the provisions contained in Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 which includes the following namely;
  - (i) Connection Agreement
  - (ii) Site responsibility schedule;
  - (iii) Access at Connection site;
  - (iv) Site Common Drawings;
  - (v) Safety;
  - (vi) Protection System and Co-ordination; and
  - (vii) Inspection, Test, Calibration and Maintenance prior to Connection.
- (b) Both the parties agree to comply with the safety measures contained in section 53 of the Electricity Act,2003 (Act 36 of 2003);
- (c) Both the parties shall comply with the provisions contained in the Indian Electricity Grid Code, Tamil Nadu Electricity Grid Code, the Electricity Act, 2003, Rules, and Regulations issued by the Commission/Central Electricity Authority/Gol and amendments issued thereon, from time to time; and
- (d) Both the parties shall comply with the guidelines issued by the Government of India/ Government of Tamil Nadu, from time to time.

## **3.0. Operation and Maintenance:**

- (a) The open access customer agrees to minimize drawal of reactive power from the STU/Distribution Licensee’s Transmission/Distribution network at the interconnection point as per the provisions of the Tamil Nadu Electricity Grid Code and the Indian Electricity Grid Code, as the case may be.

- (b) The open access customer agrees to maintain the equipments at his premises including the transformer, switch gear and protection equipments and other allied equipments at his cost to the satisfaction of the authorized officer of the STU/Distribution Licensee.
- (c) The changing of the rupturing capacity of the switch gear and settings of the relays, if any, shall be subject to the approval of the authorized officer of the STU/Distribution Licensee.
- (d) The sub-station at the premises of the open access customer shall be maintained effectively and operated by competent and qualified personnel.
- (e) Grid availability shall be subject to the restriction and control as per the orders of the State Load Dispatch Centre and as per Tamil Nadu Electricity Grid Code.

#### **4.0 Bank guarantee:**

- (a) The bank guarantee of (Rs.2,000/- per MW (or) part there of the total power transmitted)furnished along with the application seeking Medium term open access will stand discharged with operationalization of Medium term open access, when augmentation of transmission system is not required .

#### **5.0 Metering Arrangements:**

- (a) ABT compliant interface meters with DLMS facility shall be installed as specified in accordance with the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and its amendments Tamil Nadu Electricity Regulatory Commission's Grid Connectivity and Intra State Open Access Regulations,2014 and its amendments other Codes/Regulations in consultation with STU/Distribution Licensee. The periodicity of testing, checking, calibration etc., will be governed by the Regulations issued by the Central Electricity Authority / Commission in this regard;
- (b) Main and Check Meters shall have facility to communicate its reading to State Load Dispatch Centre / Distribution Control Centre on real-time basis. Meter reading shall be taken as per the procedure devised by the STU/Distribution Licensee;

- (c) The STU/Distribution Licensee may provide Check Meters of the same specifications as that of Main Meters.
- (d) The open access customer can have a standby meter of the same specification, tested and sealed by the STU/Distribution Licensee.
- (e) The Main and Check Meters shall be tested for accuracy as per the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006. The meters may be tested using NABL accredited mobile laboratory or at any accredited laboratory in the presence of parties involved. Both parties shall seal Main and Check meters. Defective meter shall be replaced immediately.
- (f) Reading of Main and Check meters shall be taken periodically at appointed day and hour by authorized officer of the STU/Distribution Licensee in the presence of the open access customer or his representative.
- (g) Check meter readings shall be considered when Main Meters are found to be defective or stopped. Provided that, if difference between the readings of main and check meter vis-à-vis main meter reading exceeds twice the percentage error applicable to relevant class, both meters shall be tested and the one found defective shall be immediately replaced and reading of other will be considered.
- (h) If during test or calibration, both the main meter and the check meter are found to have errors beyond permissible limits, the bill shall be revised for the previous Three months or for the exact period if known and agreed upon by both the parties, by applying correction as determined by the STU/Distribution Licensee to the consumption registered by the meter with lesser error.
- (i) The open access customer shall check the healthiness of meters (due to blowing of the P.T. fuses or due to any other causes) by superficially checking indicator lamps or by taking readings as frequently as possible. If both the main meter and the check meter fail to record energy either due to the blowing of the P.T. fuses or due to any other causes, the energy imported /exported may be arrived at based on the standby meter, if available, or by mutual agreement of the parties involved.

- (j) The interface meters may be ABT Meters with DLMS facility with appropriate communication facilities to be connected with SLDC / Distribution Control Centre.

#### **6.0 Adjustment of Energy Generated and Wheeled:**

- (a) The minimum limit of load for sale through open access by the open access customer shall be governed by the Intra State Open Access Regulations. The net energy consumption shall be adjusted on unit-to unit basis as detailed below. -(i) Peak hour generation shall be adjusted against peak hour consumption;(ii) Normal hour generation shall be adjusted against normal hour consumption;(iii) Off peak hour generation shall be adjusted against off peak hour consumption. In the case of renewable energy, adjustment of energy shall be as per the relevant orders issued by the Commission.
- (b) As and when the DSM regulation is implemented, the adjustment of energy is subject to the TNERC's Deviation Settlement Mechanism regulations 2019 regulations in force.

#### **7.0 Open access charges:**

- (a) Transmission and Wheeling charges. - Transmission and Wheeling charges shall be payable by the open access customer as per the order of the Commission for the time being in force.
- (b) Losses to be paid in kind - The open access customer shall compensate the average loss from the point of injection to the point of drawal as per the order of the Commission for the time being in force/ as per specific terms in the PPAs if any exists.
- (c) Scheduling and System operation Charges. - These charges shall be payable as per the order of the Commission for the time being in force.
- (d) Cross Subsidy Surcharge. & Additional surcharge: The cross subsidy surcharge shall be payable by the open access customer as per the orders of the Commission in force.

- (e) Deviation charge : Scheduling of all transactions pursuant to grant of medium-term open access shall be carried out on day ahead basis in accordance with the relevant provisions of IEGC/CERC Open Access Regulations for inter-State transactions and in accordance with State Grid Code or Commission's Regulations / orders for intra-State transactions. Deviations between the schedule and the actual injection/drawal in respect of an open access consumer who is not a consumer of the Distribution licensee and the generator, shall be as notified in the Commission's Open Access regulations,2014.
- (f) Startup power Charges –Start up power shall be provided as provided in the Commission's Open Access Regulations 2014 and the generator shall pay the Distribution Licensee for the supply of startup power as notified in the said Regulations.
- (g) Reactive energy charges - Reactive energy Charges are recoverable as per the Commission's regulations / Code /order in force.
- (h) Parallel Operation charges -Captive Generating Plant who opt for parallel operation of the generator with licensee for safe and secure operation of the generator has to pay Parallel Operation charges every month as notified by the Commission in the Regulation/Orders.
- (i) Any additional charges that may be approved by the Commission at a later date shall also be levied, with retrospective effect or from the date as approved by the Commission.

#### **8.0 Billing:**

- (a) The distribution licensee shall raise bills for the net energy consumed by the consumer after adjusting the wheeled energy, where the consumption by the consumer is more than the power wheeled from the Generating Plant at the rate applicable to that category of consumer.
- (b) The distribution licensee shall raise bills on the consumer for the charges payable for back up power and power drawn for other purposes, wheeling charges, excess demand & excess energy charges, etc, as per the order / regulations of the Commission for the time being in force.

- (c) The STU/SLDC shall raise bills on the open access customer for the charges payable towards transmission charges, scheduling and system operation charges, etc. as per the order / regulations of the Commission for the time being in force.
- (d) In case the open access customer fails to make any payment due to STU/Distribution licensee within the specified due dates, wheeling/energy adjustment will not be made and action will be taken to withdraw the Open Access granted.
- (e) In case a person, to whom open access has already been allowed, is declared insolvent or is having outstanding dues for more than two months billing of transmission or distribution Licensee, he shall not be eligible for open access from the day he is adjudged as insolvent or failed to clear the amount outstanding for more than two months billing, following the due procedure as in the Regulations.

#### **9.0 Payment of Security Deposit :**

The consumer drawing power from the Generating Plant shall pay to the distribution licensee a security deposit for the maximum net energy supplied by the distribution licensee as specified by the Commission in its orders/ regulations in force.

#### **10.0 Standard Terms and Conditions:**

- (a) The quantum of power to be purchased by the open access consumer both inter state (collective transaction and bilateral transaction) and intra state open access transactions together shall not exceed their sanctioned demand at any time.
- (b) The open access consumers can use the purchased power only up to their sanctioned demand.
- (c) The open access customer shall have to pay the applicable charges as per prevailing TNERC Orders and regulations in force.
- (d) Any additional charges that may be approved by the Commission at a later date shall be levied from the date as approved by the Commission.

- (e) The Generator shall give necessary day ahead schedule of the generation and wheeling quantum to open access consumers, concerned officer of the Distribution licensee (SE's of Electricity Distribution Circles where open access customers both consumer, generator are located) and SLDC.
- (f) The generator shall not declare their capacity over and above the approved quantum for OA for specified purpose. If they declare their capacity above the OA quantum, it will not be accounted.
- (g) The generator has to backdown/shutdown their generation as per SLDC instructions for which no compensation is eligible and it is the responsibility of the generator to intimate their open access consumers and concerned officers of Distribution Licensee(SE/EDCs) regarding their outage of plant or lesser supply of committed power by giving due schedules. Accordingly the open access consumers shall have to reduce their drawal.
- (h) The Wheeled power scheduled at ex-periphery of the Generator shall be subject to deduction of STU/Distribution Licensee's Transmission and distribution losses as per the Regulations.
- (i) The generation over and above the committed power by the generator will not be accounted. The generator shall not inject power into grid without any contracted agreement and necessary open access approval.
- (j) If the open access consumer does not draw the committed power due to any reason, the generator / consumer will not be compensated by the Distribution Licensee.
- (k) Load shedding in view of grid security is inevitable and hence lesser /nondrawal due to load shedding or feeder tripping on protection and break down shall not be compensated.
- (l) The billing and energy accounting shall be done on monthly basis. Based on the Open access approvals and schedules, the concerned officer of the Distribution licensee (SE/EDC)at the generator end shall allocate slot wise, consumer wise energy to the concerned officers of the Distribution licensee where the open access consumers are situated. Accordingly the energy shall be adjusted slot wise on first charge basis from their monthly



consumption. If deviation Settlement mechanism is implemented energy accounting will be based on TNERC DSM Regulations / Orders.

- (m) Issues related to Energy accounting towards generation, energy used by generators, used by open access consumers, penal measures and any other disputes arising in the above shall be sorted out at the Distribution licensee's circle/regional offices.
- (n) In case of violation of any terms and conditions and/or non-payment of any of the charges payable, the open access shall be discontinued after giving advance notice of fifteen days to the customer and action taken as provided in the Regulations.
- (o) The STU reserves the right to withdraw the concurrence to operate the company's generator set in parallel with grid if any of the condition is violated or for any valid reason.
- (p) These conditions are in addition to other conditions as stipulated in the Commission's Regulations/orders in force.
- (q) The open access customer shall adhere to the various provisions of Electricity Act 2003, Electricity Rules 2005, Grid connectivity and Intra-state Open Access regulations 2014 and prevailing regulations/orders of the Commission and amendments.
- (r) The generator shall not claim any compensation for any difficulties arising due to outage, breakdown of the transmission system and for constraints in the grid.
- (s) In case the generator happens to be a captive power plant this approval does not absolve the generator from maintaining their CPP status. The generator is responsible to ensure the minimum percentage of their CPP consumption towards complying with Electricity Rules, 2005.
- (t) The permitted open access customer shall furnish an undertaking to the effect that the customer will strictly adhere the terms and conditions specified and indemnify STU/Distribution licensee for any loss or damage suffered by it by allowing wheeling under open access.

- (u) The generator shall not inject any power into the grid beyond approved open access period. If injected without approval it will not be accounted for billing.
- (v) STU will not compensate the generator under any circumstances in case power could not be evacuated due to various reasons not limited to such as breakdown of line/equipment of STU, grid disturbance etc. However all efforts shall be taken to maintain STU's equipments to the appropriate standards.

#### **11.0 Applicability of the Acts, Regulations and Guidelines –**

The parties shall be bound by the provisions contained in the Electricity Act, 2003, Commission's Regulations, Rules, notifications, orders and the amendments issued from time to time and the guidelines issued by the Government of India/ Government of Tamil Nadu, as the case may be.

#### **12.0 Agreement Period:-**

- (a) The tenure of this agreement shall be \_\_\_\_\_(years/months/days/hours) calculated from the date of this agreement and thereafter the tenure may be extended for further periods based on the mutual agreement between the STU/Distribution Licensee and the open access customer consistent with the Commission's Intra-State Open Access regulations. The classification of the terms (Long term, Medium term, Short-term, etc.) is as per the Commission's Intra State Open Access Regulations.
- (b) The parties to the agreement may at any time renegotiate the existing agreement mutually within the framework of the relevant regulations, codes and orders of the Commission in force.
- (c) The relinquishment of open access shall be as per the provisions of TNERC Grid connectivity and Intra State open access regulations 2014 and subsequent amendments thereon.

**13.0 Settlement of Disputes–**

If any dispute or difference of any kind whatsoever arises between the parties to this agreement, it shall, in the first instance, be settled amicably, by the parties, failing which either party may approach the Commission for the adjudication of such disputes under section 86 (1) (f) of the Electricity Act, 2003.

**14.0 Force Majeure –**

Both the parties shall ensure compliance of the terms and conditions of this agreement. However, no party shall be liable for any claim for any loss or damage whatsoever arising out of failure to carry out the terms of this agreement to the extent that such failure is due to force majeure. But any party claiming the benefit of this clause shall satisfy the other party of the existence of such an event(s);

In witness whereof Thiru.\_\_\_\_\_ acting for and on behalf of \_\_\_\_\_ (consumer) and \_\_\_\_\_ Authorized Officer of the STU/Distribution Licensee acting for and on behalf of the STU/Distribution Licensee have hereunto set their hands on the day, month and year hereinabove first mentioned.

In the presence of witnesses:

- 1.
- 2.

Signature  
Open Access Customer  
Common Seal

In the presence of witnesses:

Signature

- 1) Superintending Engineer / Operation Circle concerned  
(Authorized Officer of the STU)
- 2) /Authorized Officer of the Transmission Licensee  
/ Authorized Officer of the Distribution Licensee

**PROCEDURE FOR MAKING APPLICATION FOR  
GRANT OF SHORT TERM OPEN ACCESS TO INTRA STATE TRANSMISSION  
SYSTEM AND DISTRIBUTION SYSTEM**

**1.0 Submission of Application**

- 1.1 This procedure shall apply to the Applications made for Short - Term Open Access (STOA) for use of intra-state transmission system (IntraSTS)/Distribution system and/or associated facilities.
- 1.2 This Procedure is in accordance with the various provisions of the Tamil Nadu Electricity Regulatory Commission (Grant of Connectivity and Intra State Open Access) Regulations, 2014 hereinafter referred to as "Regulations". This procedure is to be read in conjunction with the Regulations.
- 1.3 Short Term Open Access means open access for a period upto one month at a time. Open Access applications for a period more than 1 month and upto 3 months shall be considered under Short Term Open Access and shall be allowed for a period upto one month at a time.
- 1.4 No augmentation of transmission system shall be granted for granting STOA. Construction of dedicated transmission line shall not be construed as augmentation of the transmission system.
- 1.5 Application for STOA can be made by a Generating company including a captive generating plant, a consumer, an electricity trader or distribution licensee. However, the power station from which the power is being sourced should have been already connected to grid or granted permission for connectivity to the grid.
- 1.6 The application for open access shall be in FORMAT ST1( as notified in the Regulations). The application shall be submitted to the nodal agency seeking STOA upto the fourth month, considering the month in which an application is made being the first month. Separate application shall be made for each month and for each transaction in a month. The application shall be accompanied by an undertaking of not having entered into a Power

Purchase Agreement (PPA) or any other bilateral agreement with more than one person for the same quantum of power for which open access is sought. The procedure as envisaged in para 1.11 (a) to (g) shall be followed.

Nodal agencies as notified in the Regulations:

Sl. No.	Location of drawal and injection point		***Nodal Agency
	Injection	Drawal	
1	*Distribution System	Distribution System	SLDC
2	Distribution System	**Intra State Transmission System	SLDC
3	Intra State Transmission System	Intra State Transmission System	SLDC
4	Intra State Transmission System	Distribution System	SLDC

\*Distribution System : 33 kV and below.

\*\*\*Transmission System : 66 kV and above

When the location of injection and drawal points are in different states, the nodal agency shall be the RLDC as per the Regulations.

1.7. The application shall be addressed to:

Superintending Engineer/Commercial Operation/TANTRANSCO

3<sup>rd</sup> Floor, TANTRANSCO Building

144, Anna Salai,

Chennai-2

\*\*\* In the case of Renewable energy generators, applications may be addressed to the Chief Engineer/NCES

II Floor, NPKRR Maaligai,

144, Anna Salai,

Chennai-2

1.8. Application fee and documents to be enclosed:

1.8.1 The application shall be accompanied with fee and other documents as follows:

Sl. No.	Location of drawal and injection point		Application Fee	
	Injection	Drawal	For capacity 10MW and above	For capacity less than 10MW
1	Distn System	Distn System	2,000	2,000
2	Distn System	Intra State Transmission System	5,000	5,000
3	Intra State Transmission System	Intra State Transmission System	5,000	5,000
4	Intra State Transmission System	Distn System	5,000	5,000

\*The application fee is inclusive of load flow studies and taxes as applicable.

1.8.2 Documents to be enclosed with the application:

- (i) Proof for payment of non-refundable application fee as per details given below.
- (ii) Consent from concerned Distribution licensee
- (iii) In case the application is made for transmitting power to the captive users, the procedure as per the Commission's orders read with provisions of the Act/Rules/Regulations shall be followed. In the case of co-generation plant, proof of qualification of cogeneration status in

accordance to the notifications/guidelines of Ministry of Power, issued by concerned officer.

- (iv) If the Applicant is an Electricity Trader, the copy of valid trading license issued by the Commission.
  - (v) Status of provision of ABT meters with DLMS.
  - (vi) Status of Data transfer facility to SLDC
- 1.9 The application fee may be paid through the online payment provision of “SBI Collect” or any other mode as notified by the nodal agency. The payment reference shall be intimated in the application.
- 1.10 In the application for STOA, the applicant shall be required to indicate details like capacity needed, generation planned or power purchase contracted, point of injection, point of drawal, duration of availing open access, peak load, average load etc. as per the format and submit the same to nodal agency.

**1.11 Intra State short term open access**

**(a) Open Access in advance:**

- (i) An application for grant of open access commencing in any month may be submitted in a cover marked “Application for Short-Term Open Access – in advance” upto 15th day of the preceding month. For example, application for grant of open access commencing in the month of July shall be received up to 15th day of June.
- (ii) SLDC shall acknowledge receipt of the application by indicating time and date in the ‘ACKNOWLEDGEMENT’ form to the applicant.
- (iii) The consumer applying for open access shall also furnish a copy of his application to the distribution licensee of his area of supply.
- (iv) The distribution licensee shall conduct the feasibility study and issue the Concurrence (Format 6) for such open access after verifying the data provided by the consumer.
- (v) All applications received shall be taken up for consideration together and processed as per allotment priority criteria as specified in the regulation.

- (vi) SLDC shall check transaction for congestion of any element (line or transformer) of transmission and distribution system.
  - (vii) SLDC shall check for 'Concurrence' obtained from the Distribution licensee, and convey grant of approval or otherwise in FORMAT-ST2 (in Regulations) along with schedule of payments latest by 19<sup>th</sup> day of such preceding month as per Regulations. All other provisions of application for short-term open access shall apply.
  - (viii) In case of denial of open access, nodal agency shall assign specific reasons for the same.
- (b) **Day-Ahead Open Access**
- (i) An application for grant of day-ahead open access may be received by SLDC within three days prior to the date of scheduling but not later than 1300 Hours of the day immediately preceding the day of scheduling for day-ahead transaction. For example, application for day-ahead transaction on 25<sup>th</sup> day of July shall be received on 22<sup>nd</sup> day or 23<sup>rd</sup> day or upto 1300 hours on 24<sup>th</sup> day of that month.
  - (ii) SLDC shall check for congestion and Concurrence obtained from the EDC concerned and convey grant of approval or otherwise in FORMAT-ST2. All other provisions of application for short-term open access shall apply
- (c) **Procedure for scheduling transaction in a contingency.**
- In the event of a contingency, the buying utility may locate a source of power to meet short-term contingency requirement even after the cut-off time of 1300 hrs of the preceding day and apply to the nodal agency, for open access and scheduling and in that event, the nodal agency shall endeavour to accommodate such request as soon as and to the extent practically feasible.
- (d) **Bidding Procedure**
- (i) If the capacity sought by the consumers for Open Access in advance for the following month is more than the available capacity or SLDC perceives congestion of any element of transmission and distribution



system involved in the transaction, the allocation shall be made through electronic bidding procedure.

- (ii) The decision of SLDC in respect of an expected congestion shall be final and binding.
- (iii) SLDC shall convey information of congestion and decision for invitation of bidding indicating floor price in FORMAT-ST3(in Regulations)to the applicants .
- (iv) SLDC shall also display the bidding information on its website.
- (v) The floor price of transmission and wheeling charges determined on the basis of relevant order of the Commission shall be indicated in FORMAT-ST3.
- (vi) The Bids shall be accepted in FORMAT-ST4 (in Regulations)upto the bid closing time as indicated in bidding invitation FORMAT-ST3. Modification / amendment to a bid, once submitted shall not be entertained.
- (vii) If any consumer does not participate in bidding process, his application shall be deemed to have been withdrawn and shall not be processed.
- (viii) SLDC shall not entertain any request for extension of time/date for submission of bids.
- (ix) The bidders shall quote price (rounded-off to whole number) in denomination in which floor price has been determined.
- (x) The quoted price shall be arranged in descending order and allocation of available capacities shall be accorded in such descending order until the available capacity is exhausted.
- (xi) In case of equal price quoted by two or more consumers, the allocation from the residual available capacity at any stage under sub-sub-clause (x) above shall be made in proportion to capacity being sought by such consumers.
- (xii) All consumers, in favour of whom full capacities have been allotted, shall pay the highest price obtained from bids.

- (xiii) The consumers, who are allotted less capacity, shall pay the price as quoted by them .
- (xiv) SLDC shall reject bids which are incomplete, vague in any manner or not found in conformity with the bidding procedure.
- (xv) The successful bidder, in favour of whom the capacities have been allocated, shall pay transmission charges, wheeling charges, as the case may be, determined by bidding under sub-clause (xii) or (xiii) of this clause.
- (e) The reserved capacity by a short-term open access customer is not transferable to others.
- (f) The capacity available as a result of surrender or reduction or cancellation of the reserved capacity by the State Load Dispatch Centre, may be reserved for any other short-term open access customer in accordance with the Regulations.
- (g) On expiry of the period of the short-term open access, the short-term customer shall not be entitled to any overriding preference for renewal of the term.

## **2.0 Involving inter-State transmission system:**

- 2.1 SLDC shall issue the concurrence/Standing Clearance for the open access customers who opt for interstate short term open access transactions as per Central Electricity Regulatory Commission (Open Access in inter-State Transmission) Regulations, 2008/procedures as amended from time to time:
- 2.2 In respect of a consumer connected to a distribution system seeking inter-State short-term open access, the SLDC, before giving its consent to the RLDC as required under the Central Commission's regulations, shall require the consumer to submit the consent of the distribution licensee concerned along with the application submitted to SLDC for concurrence.
- 2.3 Application for concurrence/Standing clearance from SLDC can be made by a Generating station, a consumer, an electricity trader or distribution licensee. However, the power station from which the power is being sourced should have been already connected to grid in line with the Regulations.

## **`Open Access' for Inter State Power Purchase through Bilateral / Collective Transaction – Procedure**

### **I. Issue of Standing Clearance (Power exchange) / SLDC concurrence (Bilateral Transaction)**

#### **Application submission**

Application shall be accompanied by the following documents.

- (i) Consumer Application (Format -VII)
- (ii) Distribution Licensee's (TANGEDCO's) consent (Format -6 for Consumer)
- (iii) Application processing fee of Rs.5,000/- paid reference.
- (iv) Affidavit as per CERC Regulation (Format - PX-V)
- (v) Agreement between buyer and seller in case of bilateral transaction.

On fulfillment of required conditions, Standing Clearance / SLDC concurrence (Format 7) shall be issued / uploaded in <http://tneblcd.org>.

## **`Open Access' for interstate sale through Bilateral / Collective Transaction – Procedure**

### **I. Mandatory Requirements for interstate sale transactions**

- a) Provision of ABT meter and metering set as per metering regulation with DLMS facility.
- b) Provision of real time data monitoring facility to SLDC.

### **II. Issue of standing clearance / SLDC concurrence**

#### **Application submission**

Application shall be accompanied by the following documents.

- (i) Generator's Application (Format -VIII)
- (ii) Distribution Licensee's (TANGEDCO's) consent (Format –5 for Generator )
- (iii) Application processing fee of Rs.5,000/- paid reference.
- (iv) Affidavit as per CERC Regulation (Format - PX-V)

(v) Agreement between buyer and seller in case of bilateral transaction.

SLDC concurrence / Standing clearance (Format 8) shall be issued / uploaded in <http://tnebldc.org> on fulfillment of required conditions.

2.6. After getting concurrence from SLDC, the open access customer shall approach SRLDC/Power exchange as the case may be for further processing of application.

### **3.0 Revision of Open Access approval:-**

3.1 The short-term open access schedules accepted by the SLDC in advance or on first-come-first-served basis may be cancelled or revised downwards on an application to that effect made to the nodal agency by the short-term open access customer:

Provided that such cancellation or downward revision of the short-term open access schedules shall not be effective before expiry of a minimum period of two (2) days:

Provided further that the day on which notice for cancellation or downward revision of schedule is served on the nodal agency and the day from which such cancellation or downward revision is to be implemented, shall be excluded for computing the period of two (2) days.

3.2 The person seeking cancellation or downward revision of short-term open access schedule shall pay the transmission charges for the first two (2) days of the period for which the cancellation or downward revision of schedule, as the case may be, has been sought, in accordance with the schedule originally approved by the nodal agency, and thereafter in accordance with the revised schedule prepared by the nodal agency during the period of such cancellation or downward revision.

3.3 In case of cancellation, operating charges shall be payable for two (2) days or the period of cancellation in days, whichever is less.

#### **4.0 Consent by STU, SLDC or Distribution Licensee**

**Inter-State open access:** In case of applicant connected to the distribution licensee, the applicant shall obtain the concurrence from the distribution licensee and furnish the same along with the application to SLDC for concurrence. The distribution licensee shall convey its consent to the applicant within three (3) working days of receipt of the application. The consent shall be as per Format 5/6.

#### **4.1 Intra-State Open Access:**

4.1.1 In respect of a consumer connected to a distribution system seeking Open access, such consumer shall be required to submit the consent of the distribution licensee concerned. The distribution licensee shall convey its consent to the applicant within three (3) working days of receipt of the application. The consent shall be as per Format 6.

4.1.2 While processing the application from a generating station seeking consent for open access, the distribution licensee shall verify the following, namely-

- (i) Existence of infrastructure necessary for time-block-wise energy metering and accounting in accordance with the provisions of the State Grid Code in force,
- (ii) Availability of capacity in the distribution network, and.
- (iii) Availability of RTU and communication facility to transmit real- time data to SLDC.

4.1.3 Where existence of necessary infrastructure and availability of capacity in the distribution network has been established, the distribution licensee shall convey its consent to the applicant within three (3) working days of receipt of the application.

4.1.4 In case the nodal agency finds that the application for consent is incomplete or defective in any respect, it shall communicate the deficiency or defect to the applicant by e-mail or fax or by any other usually recognized mode of communication, within two (2) working days of receipt of the application:

4.1.5 In case the application has been found to be in order but the distribution licensee refuses to give consent on the grounds of non-existence of necessary infrastructure or unavailability of surplus capacity in the distribution network, such refusal shall be communicated to the applicant by e-mail or fax or by any other usually recognized mode of communication, within the period of three (3) working days from the date of receipt of the application, along with reasons for such refusal.

## **5.0 Collection of open access Charges.**

5.1 All the open access charges such as Transmission charges, Scheduling and system operation charges, wheeling charges, cross subsidy charges, additional surcharges, Grid availability charges, deviation energy charges and Reactive energy charges as applicable shall be made by the applicant as per the prevailing CERC & TNERC Regulations and orders.

## **6.0 Scheduling:-**

### **6.1 Intra State sale of power**

- (i) Scheduling of open access transactions shall be as specified by the Central/state Commission in the Indian/ Tamil Nadu Electricity Grid Codes.
- (ii) While scheduling on day-ahead basis, Long-Term open access customers would have the highest priority, followed by Medium-term customers and then followed by short-term customers.
- (iii) In case of curtailment becoming necessary as result of deviation by the applicant from final dispatch and drawal schedule intimated by SLDC, the use of such intra-State system shall be curtailed first, to the full extent of such deviation.
- (iv) In case of curtailment of capacity by SLDC, transmission charges payable shall remain unaffected.
- (v) The generators shall declare their Ex-Bus generation based on their OA approvals and SLDC shall issue dispatch instructions based on their availability and OA approvals. The Generators shall maintain their generation as per dispatch instruction issued by SLDC. The

procedure for Deviation energy accounting will be as per the deviation settlement regulations.

## **6.2 Inter state sale of power**

- (i) Scheduling of inter-State open access transactions shall be as specified by the Central Commission in the Indian Electricity Grid Code.
- (ii) On approval by the SRLDC, scheduling of the proposed power sale quantum will be commenced from the date of approval in line with the Scheduling procedure illustrated in the IEGC 2014 with subsequent amendments.
- (iii) Since the generators may have commitments for sale to Distribution licensee and for third party sale within the State, their scheduling should be for all transactions with priority to sale to Distribution licensee, then to third party sale within the State and then to the sale outside Tamil Nadu. Any revision in their generation should also be incorporated accordingly.
- (iv) Any revision in Schedule should also be followed by SLDC and conveyed to SRLDC. The Distribution licensee shall also monitor any revision in schedule with respect and inform SLDC for any gaming by the generators.
- (v) Because of transmission constraints, to maintain grid security, SLDC/ SRLDC may curtail transactions in the manner decided by them to ease the congestion, as per Regulations.

## **6.3 Revision in Schedule**

6.3.1 Revision of scheduled energy shall be permitted in accordance with the provisions of IEGC or the Tamil Nadu Electricity Grid Code, other relevant regulations as the case may be.

## **7.0 Transmission and Distribution Losses**

### **7.1 Inter state transmission**

- (i) The open access customers shall bear the energy losses in the transmission system in accordance with the provisions specified by the Central Commission.

- (ii) In the case of open access consumer who purchases power from outside the state , the power received at ex-periphery of the State towards shall be scheduled after deduction of Transmission and Distribution losses in kind applicable to STU and Distribution licensee's network depending upon the voltage level to which they are connected as provided in the Commission's Regulations/Orders.
- (iii) In the case of generators selling the power outside the State, the generator shall compensate the Transmission and Distribution losses in kind applicable to STU and Distribution licensee's network and injection zone loss as per prevailing CERC regulations.

## **7.2 Intra state transmission**

- (i) The open access customers shall bear the energy losses in the transmission system as estimated by the State Load Despatch Centre. The information regarding average energy losses for the previous fifty two weeks shall be posted on the website of State Load Despatch Centre. Fortnightly average transmission loss in the system on all open access customers shall be monitored by the SLDC.

## **7.3 Distribution loss**

In case of distribution open access, the Licensee shall estimate the losses for each category of voltages and furnish to the Commission. These losses as approved by Commission shall be borne by the open access customer. Till such time SLDC/ distribution Licensee starts to notify the losses, the Open Access Customer shall bear the Transmission and Distribution losses in kind applicable to TANTRANSCO and TANGEDCO network as notified by the Hon'ble TNERC depending on the injection and drawal voltage.

## **8.0 Energy Accounting**

- 8.1 The Energy Accounting shall be as per TNERC's Deviation Settlement Mechanism and related matters Regulation 2019 and Forecasting, Scheduling and Deviation Settlement and related matters for wind and solar generation Regulations 2019.



- 8.2 For failure of the consumer to draw committed power, due to reasons attributable to the consumer, the distribution licensee shall not compensate the consumer/generator
- 8.3 In case the consumer draws power when the generator does not generate power or injects less than the committed power, the consumer shall pay excess charges as specified for such categories of consumers in the Commission's Regulations/orders issued from time to time.
- 8.4 Till such time TNERC's Deviation Settlement Mechanism and related matters Regulation 2019 is implemented, the energy accounting/settlement will be based on actual generation.

## **9.0 GENERAL**

- 9.1 The applicant shall keep the nodal agency(SLDC/STU) indemnified at all times and shall undertake to indemnify, defend and keep the nodal agency, harmless from any and all damages, losses, claims and actions including those relating to injury or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the Short Term open access transaction.
- 9.2 Any amendment/modification to an existing application, except for reasons specifically mentioned in the procedure, shall be treated as a fresh application.
- 9.3 All costs/expenses/charges associated with the application, including bank draft, bank guarantee etc. shall be borne by the applicant.
- 9.4 Payment of transmission charges, fees and charges for the concerned SLDC, STU and Distribution licensee as well as other charges for SLDC, unscheduled inter-change charges etc. as applicable shall be made by the applicant as per the Regulations.
- 9.5 The applicant shall abide by the provisions of the Electricity Act, 2003, Rules, Regulations and Indian Electricity Grid Code, State Electricity Grid Code as amended from time to time.
- 9.6 Open access customers to the intra-State transmission system and the distribution system in the State on the date of coming into force of the

Regulations under an existing agreement or contract shall be entitled to continue to avail such access to the transmission and distribution system on the same terms and conditions, as stipulated under such existing agreement or contract except regulations 25 and 26 of the Commission's open access Regulations. Regulations 25 and 26 are applicable to all open access customers. Such persons shall on expiry of such existing agreement or contract be eligible to avail open access under the Regulations by making applications at least 30 days prior to the expiry of the existing agreement/contract.

- 9.7 This procedure aims at easy and pragmatic disposal of applications made for Short -Term Access in Intra STS/Distribution system. However, some teething problems may still be experienced. The various implications would be known only after practical experience is gained by way of implementing these procedures. In order to resolve the same, this procedure shall be reviewed or revised by the Nodal agency with prior approval of the Commission.
- 9.8 All complaints regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to Short-Term open access in Intra STS/Distribution system shall be directed to the Commission for redressal.

**APPLICATION FOR GRANT OF Short-TERM OPEN ACCESS**  
(to be submitted by the customer to SLDC) – Intra state open access

To: The Superintending Engineer/Commercial  
Operation/Chennai-2,

1	Customer Application No.		Date	
2	Period of Transaction			
3	Nature of Customer*	< seller/buyer/captive user/trader ( on behalf of seller/buyer/captive user)>		

< \* In terms of power transfer>

4	Customer Name			
5	Registration code		Valid up to	

< Registration code shall be as provided by SLDC>

6	Details of Transaction Party's to Grid			
		Injecting Entity	Drawee Entity	
	Name of Entity			
	Status of Entity*			
	Utility in which it is Embedded	< TANGEDCO/TANTRANSCO>	<TANGEDCO>	

< \* In terms of ownership-State Utility/CPP/IP/ISGS/Discom/applicant/specify, if any other>

7	Details of Injecting/ Drawee Connectivity with Intra -State System			
		Injecting Entity	Drawee Entity	
	Name of Sub-Station	Transmission		
		Distribution		
	Voltage Level	Transmission		
		Distribution		
	T&D loss %			
	Name of Licensee(Owner of S/S)		<TANGEDCO/TANTRANSCO>	
	Intervening Intra-State Licensee			
	Intervening Inter-State Licensee			

< Distribution license, if required, may treat interface periphery as its connectivity points>

8	Open Access Sought for (Period from date to date)					
	Date		Hours		Capacity	
	From	To	From	To	MW*	


< MW\* at point of injection >

9	Details of PPA/PSA/MoU					
	Name & Address of Parties		Date of PPA/PSA/MoU	Validity Period		Capacity
	Seller	Buyer		Commencement	Expiry	MW*

< MW\* at point of injection >

10	Details of Non-Refundable Application Fee made				
	Bank Details	Instrument Details			Amount(Rs.)
		Type(Draft/Cash)	Instrument No.	Date	

122	I hereby authorize SLDC to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of Intra-State ABT.
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13	<u>Declaration</u>
	All Entities/Utilities to transaction shall abide by provisions of Electricity Act 2003(the Act), TNERC (Grid connectivity and Intra-State Open Access ) Regulations, 2014 and any relevant Regulation/Order/Code as amended from time to time.

PlaceSignature (withstamp)

Date

Name & Designation

Enclosures

1. Application fee Payment Receipt.
2. Copy of grid connectivity approval.
3. Concurrence from Distribution Licensee
4. Co-gen status/CGP ownership criteria - formats prescribed in Commissions orders
5. The copy of valid trading licensee[If the applicant is trader] issued by Appropriate Commission.
7. Copy of PPA/MoU/PSA entered between buyer and seller.
8. Any other relevant document specified by STU/SLDC.

**APPROVAL FOR SHORT – TERM OPEN ACCESS**

(Issued by SLDC)

	Nodal SLDC Approval No.		Date	
--	-------------------------	--	------	--

1	Customer Application No.		Date	
2	Period of Transaction			
3	Nature of customer			
4	Customer Name		HTSC No.	
5	Customer EDC			

6	<b>Details of Transaction Party's to Grid</b>			
		Injecting Entity	Drawee Entity	
	Name of the Entity			
	Status of Entity			
	Utility in which it is embedded			

7	<b>Details of Injecting/Drawee connectivity with Intra-State System</b>			
		Injecting Entity	Drawee Entity	
Name of Sub-Station	Transmission			
	Distribution			
Voltage level	Transmission			
	Distribution			
T & D Loss %				

Name of Licensee(Owner of S/S)	TANTRANSCO	TANGEDCO
Intervening Intra-State Licensee	N/A	
Intervening Inter-State Licensee	N/A	

8	<b>Open Access Granted for:</b>					
	Period		Requested Quantum at Injection end (MW)		Approved Quantum at Injection end (MW)	
	From	To				
9	<b>Details of Non- Refundable Application Fee made</b>					
	TANTRANSCO collection A/C Head		Instrument Details			Amount (Rs.)
			Receipt No.	Date		

- 10) The approved transaction shall be incorporated in day –ahead scheduling in accordance with the provisions of TNERC Grid Connectivity and Intra State Open Access Regulations-2014.
- 11) The approval is subject to provisions of TNERC Grid Connectivity and Intra State Open Access Regulations, 2014 and any other relevant Regulation/Order/Code as amended and applicable from time to time.
- 12) In addition to the above, the captive users shall abide by the terms and conditions vide Annexure.
- 13) As per the Schedule of payment enclosed,the short-term open access customer shall deposit with SLDC the transmission charges and SLDC charges for the entire period of open access within three working days of grant of the short- term open access by SLDC, but before the commencement of open access.

**14) If the generator fails to maintain the CGP status and the consumer is proved to be the non captive user of that CGP, then the power availed as captive user during the entire period of open access transaction will be treated as third party transaction and will attract cross subsidy surcharge.**

**Place :**

**Date :**

**Superintending Engineer/ CO**

**Enclosure: Annexure**

**To**

**1.**

**2.**

Copy Submitted To

Copy to

Enclosure to FORMAT ST2

Schedule of payments

(to be enclosed for each month by SLDC along with FORMAT-ST2)

	Nodal SLDC Approval No.	R-0	Date	
--	-------------------------	-----	------	--

<R-0 states original approval with revision no.-zero

1	Customer Application No.	<as provided by customer on FORMAT –ST1>	Date	
2	Period of transaction	<3 months and more/less than 3 months/day ahead.		
3	Nature of Customer*	<seller/buyer/captive user/trader(on behalf of seller/buyer/captive user>		

<\*in terms of power transfer>

4	Customer Name			
5	Registration Code		Valid upto	

6	Tentative* Monthly Payment Schedule for Short –Term open Access Charges			Month	
	Payment chargeable for	Rate( Rs./kWh)	MWh	Total(Rs.)	
	(1) Intra –State Network				
	(a) Transmission charges				
	concerned Transmission Licensee				
	Intervening intra-State Licensee (if any)				
	(b) Wheeling charges				
	concerned Distribution Licensee				
	Intervening intra-State Licensee (if any)				
	(c) Surcharge				



	concerned Distribution Licensee			
	(d) Additional Surcharge			
	concerned Distribution Licensee			
	(e) SLDC charges			
	SLDC			
	(2) inter –State Network			
	Transmission charges			
	Intervening intra-State Licensee (if any)			
	Total monthly payment Amount (Rs.)			

Place

Signature(with stamp)

Date

Name & designation

\*Tentative on the basis of MWh mentioned in application which may vary on actual operation

### FORMAT-ST3

#### Congestion Information and Invitation of Bidding-

SLDC Bidding Invitation No: \_\_\_\_\_

Date: \_\_\_\_\_

1	Customer Application No:	<as provided by customer on FORMAT-ST1 >	Date:		
2	Period of Transaction	< less than 3 months/day-ahead>			
3	Nature of Customer	<seller/buyer/captive user/trader (on behalf of seller/buyer/captive user)>			
	<In terms of power transfer>				
4	Customer Name				
5	Registration Code		Valid Upto:		

6. The anticipated congestion (transformer and electric line/link)is as follow

Network Corridor		Congestion period				Margin/ Capacity	Total Capacity Applied by all the
Substation with transformati on	Electric Line/Link	Date		Hours		MW	MW
		From	To	From	To		
Intra-State Transmission System							
Intra-State Distribution System							
Inter-State Transmission System							

(i) In view of above please submit bid on format (FORMAT-ST4).The details of bidding are hereunder:

(a) Bid Invitation Date						Time:	
(b) Bid Submission Date						Time:	
(a) Bid opening Date						Time:	
(a) Bids Invited for						Time:	
Intra State Network Corridor		Congestion period				Margin/ Capacity Available for	Floor price
Substation	Electric Line/Link	Date		Hours			
		From	To	From	To	MW	Rs./kWh
Name of Transmission System							
Name of Distribution System							

8.In case of non submission of bid, application for open access shall be deemed to have been withdraw and shall not be processed.

Place:  
Date:

Signature (with stamp)  
Name & Designation

To: Customers with their reference's < as provided by customers at SI.No 1 on  
FORMAT-ST1>

**FORMAT-ST4**

**Bid proposal**

**SLDC Bidding Invitation No:\_\_\_\_\_**

**Date:\_\_\_\_\_**

To Superintending Engineer/SLDC

1	Customer Application No:	<as provided by customer on FORMAT-ST1 >	Date:	
2	Period of Transaction	< less than 3 months/day-ahead>		
3	Nature of Customer	<seller/buyer/captive user/trader (on behalf of seller/buyer/captive user)>		
	<In terms of power transfer>			
4	Customer Name			
5	Registration Code			Valid Upto:

6. In reference to above bidding invitation, I hereby submit my bid as follows:

Intra-State Network Corridor		Congestion period				Margin/ Capacity	Floor Price
Substation	Electric Line/Link	Date		Hours		MW	Paise/kWh
		From	To	From	To		
Intra-State Transmission System							
Intra-State Distribution System							

7.I do hereby agree that determined bid price(s) shall be transmission and /or Wheeling charges

Place:  
Date:

Signature (with stamp)  
Name & Designation

**Format - 5****'NOC Consent Format for Generator' to be issued by Distribution Licensee.**

(In compliance to Clause-16 of TNERC's Grid Connectivity and Intra State Open Access Regulations, 2014)

<b>Concurrence to be obtained from Distribution Licensee by Generating Plants for Intra / Inter-state open access transactions.</b>		
<b>Sl. No.</b>	<b>Description</b>	<b>Details</b>
1	Name of the Generator	
2	HTSC No.	
3	Address of plant location(SF No./Village/District)	
4	Communication Address	
	Registered office address	
	Contact No.(Landline,mobile ph.),email id	
	PAN No.	
	CIN No. GST No.	
5	Installed Capacity of the plant	
	Date of commissioning	
6	Internal consumption (i) Auxiliary consumption	
	(ii) In house consumption	
	Name of Region/Circle/Section	
7	Ex-Bus availability in MW	
8	Approved power evacuation capacity	
9	Type of fuel used/Type of power plant (CPP/Biomass/Co-gen/Any other type)	
10	Name of the connecting feeder with voltage level	
11	Name of the connecting Substation	

12	Grid connectivity approval Letter ref. (with copy enclosed)			
	Meter details			
13-a	Whether ABT meter with AMR facility is provided in the plant			
13-b	Whether data downloading facility is available in the meter installed			
13-c	Make of the ABT meter / Accuracy of Meter/metering system			
14	Whether online data monitoring facility at SLDC is provided by the Generator			
15	<b>Power Sale commitments for the generator in MW</b>			
		Existing	Proposed (Addition / Reduction)	Total
I-a	Interstate sale through Collective transactions Qtm in MW Period Name of exchange			
I-b	Interstate sale through bilateral transactions Qtm in MW Period Name of interstate generator Name of Trader			
II	To TANGEDCO through PPA (with contract period)			
III-a	Third party sale within Tamil Nadu			
III-b	No. of third party user			
IV-a	Wheeling to captive users within Tamil Nadu			
IV-b	<i>No. of Captive users</i>			
IV-c	Whether the documents of 'ownership' for CGP as per the 'Commission's orders in 'Procedure for verification of CGP status' has been verified			
V	Any other commitment			

	Court case pending if any with present status	
	Details of outstanding dues if any	
16	Remarks if any	

Signature of Issuing Authority  
Name of the Officer  
Designation  
Circle

To  
The Generator HT SC No.  
Copy submitted to the CE/PPP (or) The CE/NCES (or)  
The CE/Grid Operation.

FORMAT 6

**'NOC Consent Format for Consumer'**

(In compliance to Clause-16 of TNERC's Grid Connectivity and Intra State Open Access Regulations, 2014)

Sl. No.	Description	Details	
1	Name of HT consumer		
2	HTSC No. (In 12 digit format)		
3	Tariff		
4	Contracted Demand in KVA		
5	Contracted Demand in MW		
6	Location of the Plant/Industry,		
7	Address for Communication		
	Contact Phone No. Email ID		
8	Name of Region		
9	Name of EDC		
10	Name of Section		
11	Name of the connecting feeder with voltage level		
12	Name of Connecting Substation and Voltage ratio		
13	Whether the HT consumer can be permitted for open access (Intra/inter state)		
14	If so, eligible quantum of power in MW that can be permitted under open access (intra / inter state)		
15	Open Access commitment (specify the quantum & period)	Existing	Now applied
<b>I</b>	<b>Intra state open access commitment</b>		
a)	Captive		
i)	Conventional ( Qtm in MW, Period and Name of Generator )		



ii)	Non-Conventional (Wind/Solar/Bio mass/Co-Gen if any ) - Qtm in MW, period and Name of Generator		
b)	Third Party		
i)	Conventional ( Qtm in MW, Period and Name of Generator )		
ii)	Non-Conventional (Wind/Solar/Bio mass / Co-Gen if any ) - Qtm in MW, period and Name of Generator		
<b>II</b>	<b>Inter State Open Access commitment</b>		
a)	Bilateral Transaction (Qtm in MW & Period)		
	Name of interstate Generator / Trader		
b)	Collective Transaction (Qtm in MW & Period)		
	Name of Exchange (IEX/PXIL)		
16	Total in MW		
17	Outstanding dues to transmission/distribution licensee (As per 9.(5) of TNERC's Grid Connectivity and intra state open access regulation 2014 , person having outstanding dues for more than two months billing of transmission or distribution licensee, shall not be eligible for open access)		
	Details of court case if any with present status		
	Whether ABT SEM meter has been installed ( If not state reasons) If yes, whether meter has communication facilities for real time data transfer to nearby DCC		
18	Remarks if any		

Signature of Issuing Authority  
Name of the Officer  
Designation  
Circle

To  
The (Mention name of the Company) & User HT SC No.  
Copy submitted to the CE/PPP (or) The CE/NCES (or)  
The CE/Grid Operation.

**Format - 7**

<b>APPLICATION FOR THE STANDING CLEARANCE/SLDC Concurrence To purchase power from power exchange under Interstate collective transaction/ and to purchase power through bilateral transactions)</b>			
To: The Superintending Engineer / Commercial Operation / SLDC/TANTRANSCO			
1	Customer Application No.		Date
2	Period of Transaction	<Month & Year>	
3	Nature of Customer	Buyer	
4	Name of the Consumer		
5	HT Service Connection Number		
6	Details of Transaction Party's to Grid		
		Injecting Entity	Drawee Entity
	Name of Entity		
	Status of Entity		
	Utility in which it is Embedded		TANGEDCO
7	Details of Injecting / Drawee Connectivity with Inter State System		
		Injecting Entity	Drawee Entity
	Name of Sub-station	Transmission	NA
		Distribution	NA
	Voltage Level	Transmission	NA
		Distribution	NA
	Name of Licensee (Owner of		NA
8	Open Access Sought for (Period from date _____ to date _____)		
	Date	Hours	Capacity

From	To	From	To	MW
		0:00	24.00	
9 Details of Non-Refundable Application fee Made				
Bank Details		Payment Reference	Date	Amount
SBI Collect				
1 I hereby authorise SLDC to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of Inter-State ABT.				
Place		Signature (with stamp)		
Date		Name & Designation		
<u>Enclosures</u>				
1 Non-refundable application fee payment receipt				
2 Concurrence of Distribution Licensee (Format ST-6)				
3 Affidavit (Format - PX-V) as per CERC Regulations				
For use of SLDC (with Reference to Enrolment of Application)				
SLDC Approval No.				
Reason of Refusal				

**APPLICATION FOR THE STANDING CLEARANCE/SLDC Concurrence  
To sell power through power exchange/ bilateral transactions)  
Format - 8**

To: The Superintending Engineer / Commercial Operation / SLDC/TANTRANSCO

1	Customer Application No.		Date	
2	Period of Transaction	<Month & Year>		
3	Nature of Customer	Seller		
4	Name of the applicant			
5	HT Service Connection Number			
6	Details of Transaction Party's to Grid			
		Injecting Entity	Drawee Entity	
	Name of Entity			
	Status of Entity			
	Utility in which it is Embedded	TRANSCO/ TANGEDCO		
7	Details of Injecting / Drawee Connectivity with Inter State System			
		Injecting Entity	Drawee Entity	
	Name of Sub-station	Transmission		NA
		Distribution		NA
	Voltage Level	Transmission		NA
		Distribution		NA
	Name of Licensee (Owner of			NA
8	Standing Clearance / SLDC concurrence Sought for (Period from date _____ to _____)			
	Date	Hours	Capacity	
	From	To	From	To
				MW

			0:00	24.00	
9	Details of Non-Refundable Application fee Made				
	Bank Details	Payment Reference	Date	Amount	
	SBI Collect				
10	I hereby authorize SLDC to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of Inter-State ABT.				
Place			Signature (with stamp)		
Date			Name & Designation		
<u>Enclosures</u>					
1	Non-refundable application fee payment receipt				
2	Concurrence of Distribution Licensee (Format ST-6)				
3	Affidavit (Format - PX-V) as per CERC Regulations				
4	Agreement between Buyer and Seller in case of Bilateral Transaction				
For use of SLDC (with Reference to Enrolment of Application)					
SLDC Approval No.					
Reason of Refusal					

Secretary  
Tamil Nadu Electricity Regulatory Commission

