**Annexure - A1**

**Format - I**

**Intimation by Transmission Licensee regarding anticipated charging of new elements**

**<Name of Transmission Licensee>**

Name of the transmission element :

Type of Transmission Element : Transmission Line / ICT / Bus Reactor / Line Reactor / Bus / Bay / Series Capacitor / Series Reactor / Station transformer / Generator transformer

Voltage Level :

Owner of the Transmission Asset :

Likely Date and time of Charging :

Likely Date and time of start of Trial Operation :

Place:

Date:

(Name and Designation of the authorized person with official seal)

Encl: Please provide full details.

**Annexure A2: Format** IA: List of elements to be charged and Element Rating details

**AnnexureA3:** Single line diagram of the concerned sub-stations, along with status of completion of each dia / bus / breakers

**Annexure A4:** List of SCADA points to be made available

**Annexure A5:** Location of installation of Energy meters as per relevant CEA regulations

**Annexure A6:** Connection Agreement, if applicable along with all annexures

**Annexure - A2**

**Format - IA**

**List of elements to be charged and Element Rating details**

1. **List of Elements to be charged:**
2. **Element Ratings:**
   1. **Transmission Line -**

|  |  |  |
| --- | --- | --- |
| **1** | From Substation |  |
| **2** | To Substation |  |
| **3** | Voltage Level (kV) |  |
| **4** | Line Length (km) |  |
| **5** | Conductor Type |  |
| **6** | No of sub-conductors |  |

* 1. **ICT -**

|  |  |  |
| --- | --- | --- |
| 1 | Voltage(HVkV /LVkV) |  |
| 2 | Capacity(MVA) |  |
| 3 | Transformer Vector group |  |
| 4 | Total no of taps |  |
| 5 | Nominal Tap Position |  |
| 6 | Present Tap Position |  |
| 9 | Tertiary Winding Rating and Ratio |  |
| 10 | % Impedance |  |

* 1. **Shunt/Series Reactor -**

|  |  |  |
| --- | --- | --- |
| 1 | Sub-station Name/ Line Name |  |
| 2 | Voltage |  |
| 3 | MVAR Rating |  |
| 4 | Switchable / Non Switchable |  |
| 5 | In case of Bus Reactor, whether it can be taken as line reactor |  |

(Name and Designation of the authorized person with official seal)

**Annexure - A4**

**<Name of licensee>**

**List of SCADA points to be made available:**

|  |  |  |  |
| --- | --- | --- | --- |
| Station | Element to be charged | List of SCADA points to be  made available | Remarks |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

(Name and Designation of the authorized person with official seal)

**Annexure - A5**

*Please make a diagram to describe position of meter in bays.*

**Format - II**

**<Name of RLDC>**

**Not to be filled by Applicant, Please don’t include this page.**

**Acknowledgement of Receipt by RLDC**

This is to acknowledge that the intimation of likely charging of (Name of the transmission element)

Has been received from (Name of the owner of the transmission asset) on (Date).

Kindly complete the technical formalities in connection with energy metering, protection and real time data and communication facilities and inform us of the same three (3) days before charging of the above transmission element as per Formats III, IIIA, IIIB, IIIC and IIID.

Or

The intimation is incomplete and the following information may be submitted within three (3) days of issue of this acknowledgment receipt.

1. ‐

2.

3.

……………………………..

Date

Signature

Name: Designation:

RLDC

**Annexure B1**

**Format - III**

**<Name of Transmission Licensee>**

**Request by Transmission Licensee for first time charging and start of Trial Operation**

Pastreferences:

Name of the transmission element:

Type of Transmission Element : Transmission Line / ICT / Bus Reactor / Line Reactor / Bus / Bay / station Transformer / Generator Transformer / series Reactor

Voltage Level :

Owner of the Transmission Asset :

Proposed Date and time of first time charging:

Proposed Date and time of Trial Operation :

Place:

Date:

(Name and Designation of the authorized person with official seal)

Encl:

**Annexure B2**: Undertaking in respect of Protective systems as per Format – IIIA

**Annexure B3: Undertaking in respect of Telemetry and communication** as per Format – IIIB

**Annexure B4:** Undertaking in respect of Energy metering as per Format – IIIC

**Annexure B5:** Undertaking in respect of statutory clearances as per Format – IIID

**Annexure - B2**

**Format - IIIA**

**< Name and Address of Transmission Licensee>**

**Undertaking by Transmission Licensee in respect of Protective systems**

The following transmission element is proposed to be charged on\_\_\_\_\_\_\_\_tentatively around\_\_\_\_\_\_

S.no. and Name of transmission element:

1.0 It is certified that all the systems as stipulated in Part‐III of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 (as amended from time to time)have been tested and commissionedandwouldbeinpositionwhentheelementistakenintoservice.

2.0 The protective relay settings have been done as per the guidelines of the Regional Power Committee (RPC) as per Section - 5.2l of the Indian Electricity Grid Code (IEGC). The necessary changes have also been made / would be made appropriately for the following lines at the following substations:

|  |  |  |
| --- | --- | --- |
| Sl. No: | Name of the substation | Name of the line |
|  |  |  |
|  |  |  |
|  |  |  |

Place:

Date:

(Name and Designation of the authorized person with official seal)

**Annexure -B3**

**Format - IIIB**

**< Name and Address of Transmission Licensee>**

**Undertaking by Transmission Licensee in respect of Telemetry and communication**

The following transmission element is proposed to be charged on\_\_\_\_\_\_\_\_\_tentatively around\_\_\_\_\_hours.

S.no. and Name of transmission element:

The list of data points that would be made available to RLDC in real time had been indicated vide communication dated \_\_\_\_\_. It is certified that the following data points have been mapped and real time data would flow to RLDC immediately as the element is charged and commissioned.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.**  **no** | **Name of substation** | **Data point (analog as well as digital) identified in earlier**  **Communication dated** | **Point to point checking**  **done jointly**  **with RLDC (Y/N)** | **Data would be available at RLDC (Y/N)** | **Remarks (path may be specified)** |
| 1 | Sending end | Analog |  |  |  |
|  |  | Digital |  |  |  |
|  |  | SoE |  |  |  |
|  |  | Main Channel |  |  |  |
|  |  | Standby Channel |  |  |  |
|  |  | Voice Communication  (Specify: ) |  |  |  |
| 2 | Receiving end | Analog |  |  |  |
|  |  | Digital |  |  |  |
|  |  | SoE |  |  |  |
|  |  | Main Channel |  |  |  |
|  |  | Stand by Channel |  |  |  |
|  |  | Voice Communication  (Specify: ) |  |  |  |

It is also certified that the data through main channel is made available to RLDC as well as alternate communication channel is available for data transfer to RLDC to ensure reliable and redundant data as per IEGC (as amended from time to time). Also, Voice communication is established as per IEGC. The arrangements are of permanent nature. In case of any interruption in data in real time, the undersigned undertakes to get the same restored at the earliest.

Place:

Date:

(Name and Designation of the authorized person with official seal)

Format – **IIIC**

**< Name and Address of Transmission Licensee>**

**Undertaking by Transmission Licensee in respect of Energy metering**

The following transmission element is proposed to be charged on\_\_\_\_\_\_\_\_\_\_ tentatively around\_\_\_\_\_\_hours.

S.no. and Name of transmission element:

Special Energy Meters (SEMs) conforming to CEA (Installation and Operation of Meters) Regulations, 2006 and amendment Regulations, 2010 have been installed and commissioned. The SEMs are calibrated in compliance of regulation 9 of Part-I of CEA (Technical Standard for Grid Connectivity) Regulations 2007 as per the following details:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.  no | Name of sub - station | Feeder name | Make  of  meter | Meter no | CT  Ratio | PT / CVT  Ratio |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |

Data Format Conformity: Yes / No

Polarity as per Convention: Yes / No

Time Drift Correction carried out: Yes / No

The data from the above meters would be forwarded on weekly basis to the RLDC as per section

6.4.21 of the Indian Electricity Grid Code (IEGC) (as amended from time to time) and also as and when requested by the RLDC.

*(RLDC to indicate the email ids where the data has to be forwarded)*

**Annexure B5**

**Format - III D**

**< Name and Address of Transmission Licensee>**

**Undertaking by transmission licensee in respect of statutory clearances**

It is hereby certified that all statutory clearances in accordance with relevant CERC Regulations, CEA standards / regulations and PTCC route clearance for charging of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have been obtained from the concerned authorities.

Place:

Date:

(Name and Designation of the authorized person with official seal)