



By E-mail only:

From  
Er. A. Selvakumar, M.E, MBA.,  
Director/ Distribution, TNPDC,  
5<sup>th</sup> Floor, TANTRANSCO Building,  
144, Anna Salai, Chennai – 2.

To  
All the Chief Engineer's/Distribution,  
& All the Superintending Engineer's/  
Distribution,  
TNPDC.

Lr. No.DD/ CE/ IT&RAPDRP/ EE/ GIS/ F.Integration/ D. 969/26, Dt.09.02.2026

Sir/ Madam,

Sub: IT – GIS – Introduction of Mobile App functionality for LT New Service connection (LT NSC) – GIS -ERP integration – launch of the functionality in pilot regions from 02.02.2026 – Intimation of Go-Live - Reg.

Ref: CMD/ TNPDC Note approval dated.29.01.2026

-oOo-

Geographical Information System (GIS) is maintaining the asset parameter details along with geotagged information of the entire distribution network. At present, incremental updates of consumer location and indexing alone are carried out as part of the LT New Service Connection (LT NSC) service release process in web portal. However, the incremental updates of assets involved in LT NSC works (both minor and major categories) are being carried out as standalone through the GIS web portal and not integrated with the regular business workflow. Users are permitted to add asset information only after the physical commissioning of assets in the field in GIS system.

- 2.0 Further, the work order generation in the ERP system with respect to minor and major LT new service categories is not tightly integrated with the LT NSC process. At present, there is no validation in the NSC workflow to ensure actual meter fixing at the consumer premises (geo-fencing validation) prior to service number creation for LT NSC applications.
- 3.0 In view of the above, a mobile app-based functionality has been developed under the GIS system, wherein applications registered under all tariff categories of LT New Service Connection (except group housing applications) and Load Addition/ Reduction through the web portal shall be processed exclusively through the GIS mobile app. The complete integrated workflow is enclosed as Annexure-1 and the GIS mobile app screens involved in the workflow are enclosed as Annexure-2.
- 4.0 The application processing through the GIS mobile app involves the following officers and staff of the section:
  - i) Inspection process – Assistant Engineer (AE), Commercial Assistant (CA) and Commercial Inspector (CI).

- ii) Service effect process – Assistant Engineer (AE), Foreman–I and Foreman–II.
- iii) Other LT NSC related activities – Officer Roles in ERP and NSC modules remain unaltered.

5.0 The major advantages of the proposed implementation are as follows:

- Single work order per NSC application, eliminating multiple estimates for the same application.
- On-location geotagging as part of the workflow, thereby avoiding delayed asset creation in GIS.
- Linkage of GIS assets with work orders, ensuring proper asset management and providing a comprehensive view of works undertaken for service effecting.
- Automated MIS generation in GIS, eliminating manual MIS preparation at circle offices and reducing repetitive work.
- Meter details capture with geo-validation, ensuring service number assignment only after meter fixing at the consumer premises, thereby enabling correct energy accounting from the date of service release.
- Common sanction details between ERP and NSC, avoiding duplication of data entry across IT systems and ensuring consistency in estimate amount, sanction number, and sanction value.

In this regard, CMD has approved for Go-Live in Madurai and Tirunelveli region as Pilot implementation from 01.02.2026 and all other regions from 01.03.2026.

Similarly, a “Train the Trainers” program was conducted on 28.01.2026, 12.00 Hrs., through VC to all AEE/AE/IT of Distribution region.

Hence, it is to mention that the new workflow for integrating LTNSC-GIS-ERP IT systems will be effective from February 2026 in pilot Distribution regions and from March 2026, it will extended to other regions. The respective regional AEE/GIS and circle AEE/AE/IT must impart the training to all field Officers/staff involved in the NSC process. On successful implementation of the activity, the work flow will be extended in DCW works, pole shifting, network improvement works, turnkey projects, HT new service connections, and LT new service connections process (group applications).

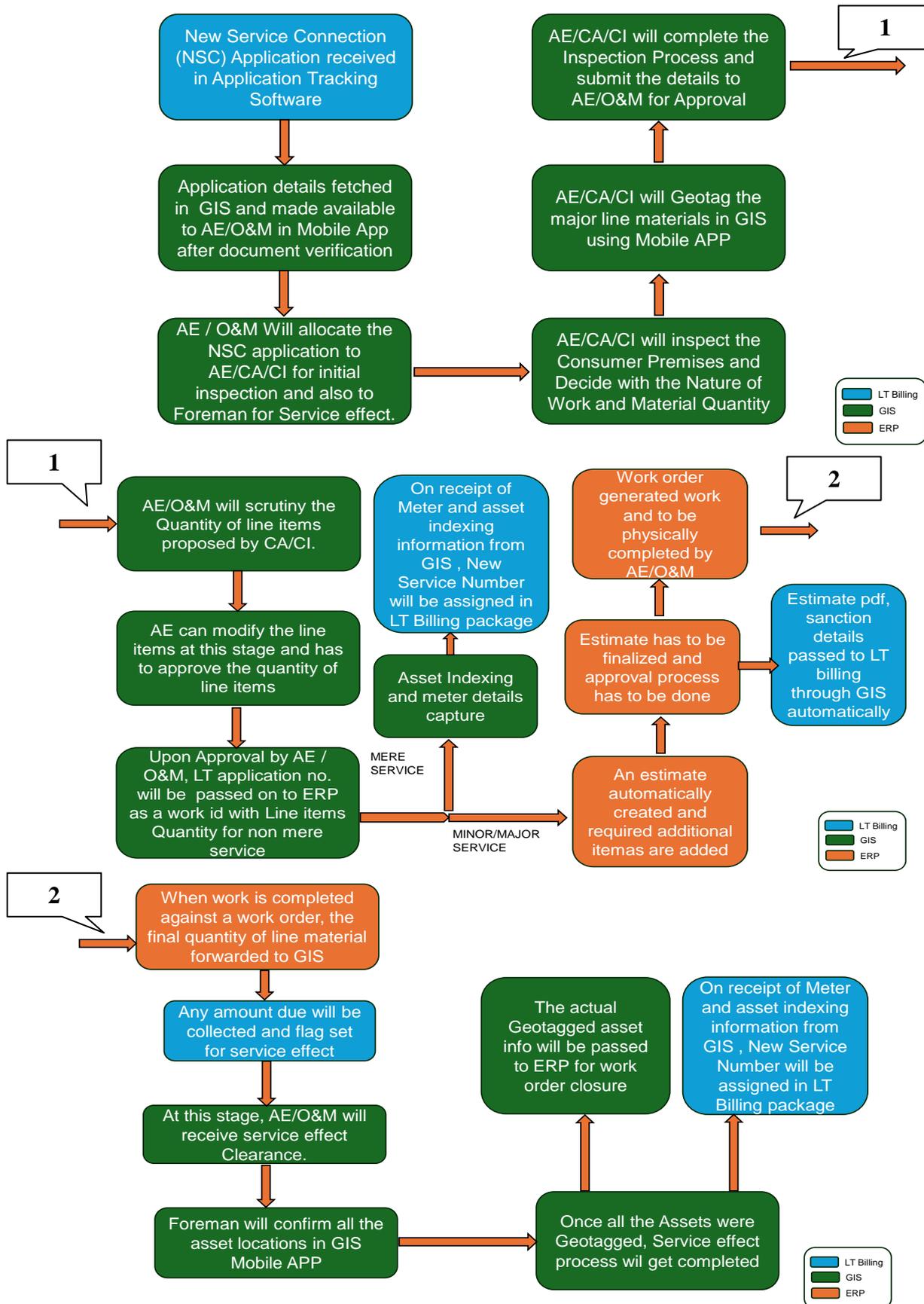
Sd/--- Dt.08.02.2026

**Director/Distribution  
TNPDC**

**Encl: Annexure -1 & 2**

Copy submitted to the Joint Managing Director/Finance/TNPDC

Integrated Workflow



**GIS Mobile App Screens**

# Login Screen



# Home Dashboard

10:54    5G   VoLTE   75% 

 **TNPDCL - GIS** 

Section Name:**ANNA SALAI**  
Section Code:101  
Subdiv Name:ANNA SALAI  
Div Name:ANNASALAI  
Circle Code :0402  
Region Id:01

**Assistant Engineer/ O and M**

 <b>New Service Connection</b>	 <b>Consumer Indexing</b>
 <b>View Safety photos</b>	 <b>Geo Visualisation</b>
	



# Home Dashboard (Extended)

10:54    5G     75% 

 **TNPDCL - GIS** 

Section Name:**ANNA SALAI**  
Section Code:101  
Subdiv Name:ANNA SALAI  
Div Name:ANNASALAI  
Circle Code :0402  
Region Id:01

**Assistant Engineer/ O and M**

 <b>New Service Connection</b>	 <b>Consumer Indexing</b>
 <b>View Safety photos</b>	 <b>Geo Visualisation</b>
	

 <b>Assign Application</b>	 <b>Reassign Application</b>	 <b>New Service Process</b>
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# Assign Application

10:55 5G 75

TNPDCL - GIS

## Assign New Service Connection Application to Subordinate

LIST OF PENDING APPLICATIONS

### Inspection

AE

Commercial Inspector

Commercial Assistant

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### Service Effect

AE

Foreman 1

Foreman 2

Cancel Submit

Application No: 0

Application Name: **The President**  
Address: **Madras Advocates Co-Operative Society Ltd., High Court, Chennai - 104.**

ASSIGN

# Reassign Application

10:56    5G     75 

 **TNPDCL** 

## Reassign New Service Connection Application

Section Staff Name

CI 

### LIST OF ALLOTTED APPLICATIONS

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Application No: **100011060716502**  
Application Name: **V.S.A.Ashraf Ali**  
Address: **76,Linghichetty Street**  
Load: **1 KW**  
Tariff: **LA1A**  
Mobile No: **0** 

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Application No: **10001101071675**  
Application Name: **Tangedco Sub Station**  
Address: **Woods Road E.B. Sub Station Near E.A. Royapetah Chennai-600002**  
Load: **20 KW**  
Tariff: **LM51**  
Mobile No: **9445950751**

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**WITHDRAW**



# Network Asset downloaded for entire section



# New Service Connection List

10:56 5G 75

TNPDCL - GIS

## New Service Connection

**Application No: 1000110101205**  
**Application Name: K.Radha**  
Address: ,804/806,Annasalai,Annasalai,Chennai  
Load: 80 KW  
Tariff: LM51  
Mobile No: 9840042681

Inspection

**Application No: 10001101022019**  
**Application Name: Krishnamachari**  
Address: 106 G P Road  
Load: 93 KW  
Tariff: LM51  
Mobile No: 9444012560

Pending for Allotment

**Application No: 10001101022023**  
**Application Name: Sarmani Motors**

# Application stages

10:56 5G 75

TNPDCL

**New Service Conn**

**Application No: 100**  
**Application Name: K.R**  
Address: ,804/806,Annasai,An  
Load: 80 KW  
Tariff: LM51  
Mobile No: 9840042681

Inspection

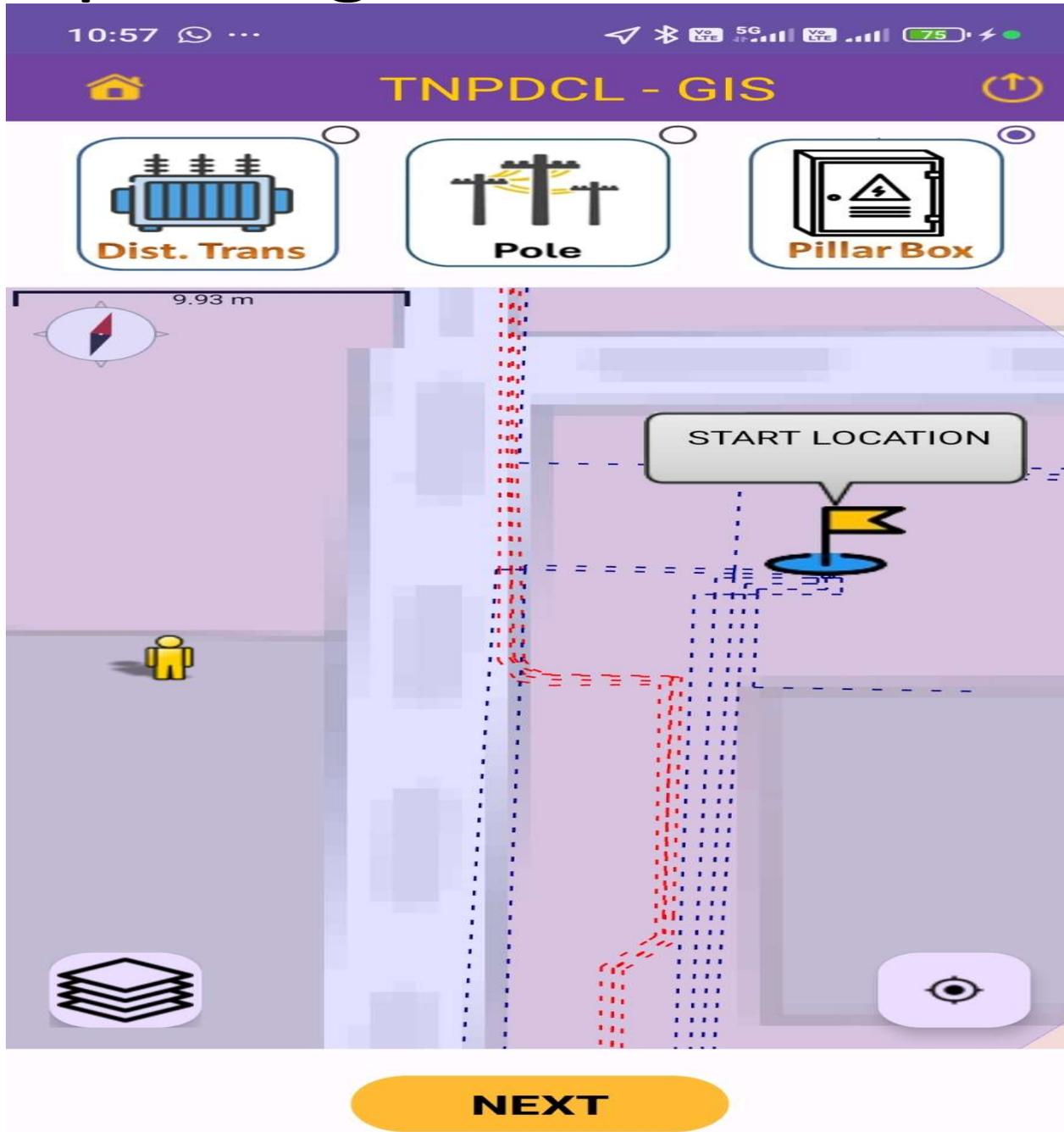
**Application No: 100**  
**Application Name: Kris**  
Address: 106 G P Ro  
Load: 93 KW  
Tariff: LM51  
Mobile No: 9444012560

**Pending for Allotment**

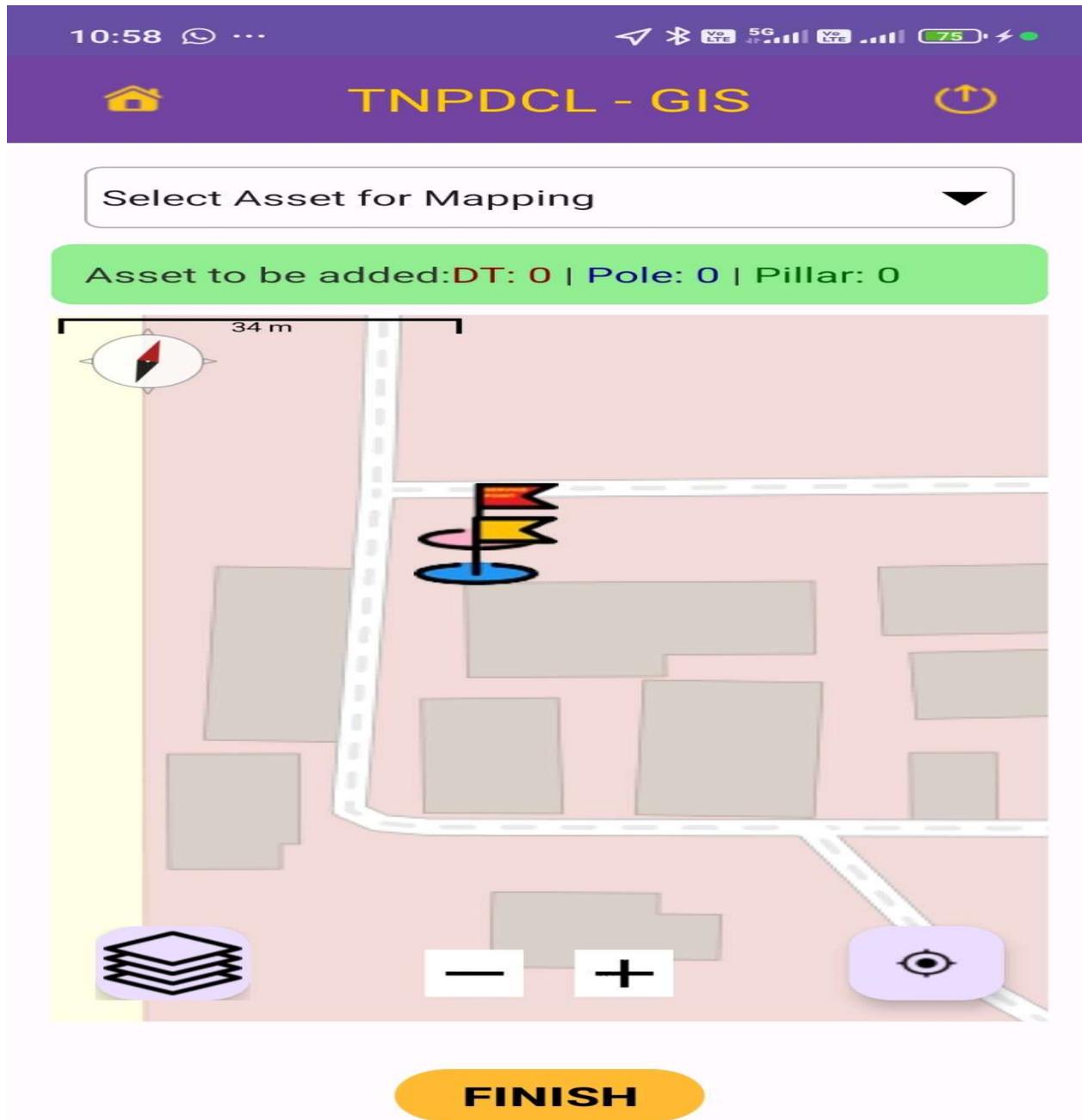
**Application No: 10001101022023**  
**Application Name: Sarmani Motors**

- All Categories
- Inspection Stage
- Service Effect Stage
- Pending for Allotment
- Pending for Approval CI
- Pending for Approval CA
- Pending with CI
- Pending with CA
- Pending with Foreman1
- Pending with Foreman2
- Pending with ERP
- Application on Hold
- Pending with LT

# Map Navigation - Start Location



# Asset Mapping page



# DT Asset Attributes Form

**DT Structure Name**

Enter Structure Name

**DT Capacity**

15  16  25  40  50  63

**DT Scheme**

BOARD  RDSS  RAPDRP  IPDS

**No. of Poles**

1

**No. of HT Fdrs**

1

**No. of LT Fdrs**

1

**DT Make**

Enter DT Make

**DT Unique ID**

Enter DT Unique ID

# Inspection Asset Confirmation



# Inspection Form at location

10:59

**TNPDCL - GIS**

**NSC - Inspection Form**

**Application No: 1000110101205**  
**Application Name: K.Radha**  
**Address: ,804/806,Annasalai,Annasalai,Chen**  
**Load: 80 KW**  
**Tariff: LM51**  
**Mobile No: 9840042681**

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**Hold Application**

**Is the Name and Site Address Correct ?**  YES  NO

**Is the Installation on the site complete ?**  YES  NO

**Is the Wiring of such nature as dangerous to life / property ?**  YES  NO

**Adequate Horizontal and Vertical clearance between lines and building.**  YES  NO

**Whether there is adequate way leave for erection of lines / SC wire ?**  YES  NO

**Whether the site is in accordance, only for the usage for which SC applied ?**  YES  NO

**Is the site located in water course poramboke land ?**  YES  NO

**In case of application under Tariff V for the purpose of residential construction, whether the number of dwelling unit not more than 12 ?**  YES  NO

**Whether earthing is completed ?**  YES  NO

# Service Connection Details Entry

10:59 ... 5G 75%

**TNPDCL - GIS**

## NSC - Inspection Form

Application No: 1000110101205  
Application Name: K.Radha  
Address: ,804/806,Annasalai,Annasalai,Chen  
Load: 80 KW  
Tariff: LM51  
Mobile No: 9840042681

Hold Application

### Service Connection Mere

Distribution Transformer	0
Pole	0
Pillar	0

**For strengthening / Phase Conversion works only**

HT Length (in metre)	0.0
LT Length (in metre)	0.0

Click to capture Service Point Location photograph



# Inspection Completion Popup

11:00 5G 75%

**TNPDCL - GIS**

## NSC - Inspection Form

Application No: 1000110101205  
Application Name: K.Radha  
Address: ,804/806,Annasalai,Annasalai,Chen  
Load: 80 KW  
Tariff: LM51  
Mobile No: 9840042681

Hold Application

### Service Connection Mere

Distribution Transformer

Application Inspection completed

OK

For strengthening / Phase Conversion works only

HT Length (in metre) 0.0

LT Length (in metre) 0.0

Click to capture Service Point Location photograph



Location Accuracy: 11.172 meters

Save Data

# SC Effect – Application List to Foreman

11:14     5G     74 

 **TNPDCL - GIS**  

## New Service Connection

**Application No: 1000110101205**  
**Application Name: K.Radha**  
Address: 804/806 Annasalai Annasalai  
Chennai  
Load: 80 KW  
Tariff: LM51  
*Mobile No: 9840042681* 

**SC Effect**

**Application No: 10001101041961**  
**Application Name: Narendra Properties Limited**  
Address: 10 Woods Road Annasalai  
Chennai  
Load: 10 KW  
Tariff: LA1A  
*Mobile No: 9840024248* 

**SC Effect**



# SC Effect – Asset Summary

11:14      74

 **TNPDCL - GIS** 

**Application No: 1000110101205**  
**Application Name: K.Radha**  
Address: 804/806 Annasalai Annasalai  
Chennai  
Load: 80 KW  
Tariff: LM51

Mobile No: 9840042681 

**Service Connection Mere**

Assets Type	GIS Inspection Co...	ERP Work Complete Count
DT	0	0
Pole	0	0
Pillar	0	0
HT Line	0	0
LT Line	0	0

\* ERP Material code must be matched for processing application

**NEXT**



# Service Connection – Material Details

11:14

**TNPDCL - GIS**

**SERVICE CONNECTION**

**Application No: 1000110101205**  
**Application Name: K.Radha**  
**Address: 804/806 Annasalai Annasalai Chennai**  
**Load: 80 KW**  
**Tariff: LM51**  
**Mobile No: 9840042681**

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**Material Details**

Meter Purchased by Consumer  Yes  No

Meter Type

Meter Make

Meter Serial No.

Multiplying Factor

Meter Capacity

Initial KWH Reading

Initial KVAH Reading

**Meter Seal Details**

No. of Seals in Meter Cover

Meter Cover Seal Impression

Meter Cover Seal Type

# Service Connection – Meter Seal Details

11:14  

 **TNPDCL - GIS** 

## SERVICE CONNECTION

**Application No: 1000110101205**  
**Application Name: K.Radha**  
**Address: 804/806 Annasalai Annasalai Chennai**  
**Load: 80 KW**  
**Tariff: LM51**  
**Mobile No: 9840042681**

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<b>No. of Seals in Meter Cover</b>	<input type="text"/>
<b>Meter Cover Seal Impression</b>	<input type="text"/>
<b>Meter Cover Seal Type</b>	<input type="text"/>
<b>Meter Cover Seal SI.No</b>	<input type="text"/>
<b>No. of Seals in Terminal Cover</b>	<input type="text"/>
<b>Terminal Cover Seal Impression</b>	<input type="text"/>
<b>Terminal Cover Seal Type</b>	<input type="text"/>
<b>Terminal Cover Seal SI.No</b>	<input type="text"/>
<b>No. of Seals in Meter Box</b>	<input type="text"/>
<b>Meter Box Seal Impression</b>	<input type="text"/>
<b>Meter Box Seal Type</b>	<input type="text"/>
<b>Meter Box SI.No</b>	<input type="text"/>

# Service Connection – RCD & Feeder Entry

11:15      73

 **TNPDCL - GIS** 

## SERVICE CONNECTION

**Application No: 1000110101205**  
**Application Name: K.Radha**  
**Address: 804/806 Annasalai Annasalai Chennai**  
**Load: 80 KW**  
**Tariff: LM51**  
**Mobile No: 9840042681**

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### RCD Details

Is RCD Installed?  Yes  No

**Location Accuracy: 60.2 meters**

Take Photograph of the Point of Supply  
(Pillar / Pole)



Take Photograph of proposed service  
connection point

**LT Line Circuit Number**

SELECT LT feeder no 

**Submit Details**