# SPP DEVICE PRE-INSTALLATION FORM (HT/LT/PCC FEEDERS)

Please fill this form before installation of the Smart Power Plus (SPP) device on electrical distribution panels. This form is required for documentation, safety checks, and configuration planning.

## UNIQUE DEVICE ID

ESAI ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
(Pre-printed by factory e.g., SPPA00001, SPPB00005, SPPC00003)

## 2.0 PANEL DETAILS

2.1 Panel Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Enter the panel name as per SLD or panel tag (e.g., HT-Incomer-1, PCC Feeder-4)

2.2 Panel / Feeder No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Feeder or section number from SLD (e.g., FDR-02)

2.3 Location (Building / Zone): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Exact site location (e.g., Substation-A, Utility Yard)

2.4 Department / Process Served: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Department or process the panel supplies (e.g., Admin, Production)

2.5 Rated Voltage (V or kV): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Panel operating voltage (e.g., 415V, 11kV)

2.6 Rated Current (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Nameplate full load current

2.7 Circuit Breaker Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Specify MCCB / ACB / VCB

2.8 Circuit Breaker Rating (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.9 CB Trip Setting: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 3.0 PROTECTION & WIRING SETUP

3.1 Wiring System: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Specify 3P-4W / 3P-3W

3.2 CT Primary Rating (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.3 CT Secondary Rating (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.4 PT Ratio (if applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
(e.g., 11kV/110V for HT)

# 4.0 NETWORK & PROVISIONING PREPARATION

4.1 Planned Wi-Fi SSID to Connect: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.2 Internet Status at Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Good / Weak / Offline

# 5.0 INSTALLATION RESPONSIBLE PERSONNEL

5.1 Planned Installation Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.2 Technician Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.3 Technician Mobile Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.4 Supervisor Name & Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# 6.0 EXISTING MFM DETAILS (IF REQUIRED FOR ESM ONLINE SUPPORT)

6.1 MFM Brand Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.2 MFM Model No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.3 Modbus Address (Slave ID): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.4 Baud Rate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.5 Parity / Stop Bits: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.6 MFM Wiring System: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.7 CT Primary (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.8 CT Secondary (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# SPP DEVICE POST-INSTALLATION FORM (HT/LT/PCC FEEDERS)

Please fill this form after installation of the Smart Power Plus (SPP) device on electrical distribution panels. This form is required for verification, network setup confirmation, and visual checks.

## 1.0 INSTALLATION DETAILS

2.1 Actual Installation Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.2 Technician Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.3 Technician Mobile Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4 Supervisor Name & Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 2.0 NETWORK & WIFI PROVISIONING

3.1 Wi-Fi Provisioning Step Confirmation (tick each as completed):

Step-by-Step Wi-Fi Provisioning Guide (tick each on completion)

* Power ON the device — confirm RGB LED blinks Green every 1 sec (Hotspot ready).
* Open the provisioning app, scan and select the SPP device hotspot (e.g., SPPA00001).
* App shows available Wi-Fi networks — select or enter SSID manually.
* Enter the Wi-Fi password correctly in the app and press connect.
* Confirm via app: provisioning success message displayed.
* Observe RGB LED for connection status:
  + Green solid (Wi-Fi connected ≥ 60% signal)
  + Green & Red alternate blink (Wi-Fi connected < 60% signal)

## 3.0 LED INDICATION VERIFICATION

4.1 Confirmed the following LED indications during installation:

* Green blink (1 sec) — Hotspot active
* Green solid ON — Wi-Fi connected (good signal)
* Green & Red alternate blink — Wi-Fi connected (weak signal)
* Green & Blue alternate blink — Data push success + good Wi-Fi
* Green → Red → Blue sequence — Data push success + weak Wi-Fi
* Red blink (1 sec) — Wi-Fi disconnected

## 4.0 PROTECTION SETTINGS (CONFIRMED DURING INSTALLATION)

5.1 Circuit Breaker Trip Setting: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.2 Motor Protection Circuit Breaker Rating (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.3 MPCB Trip Setting (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.4 OLR Trip Setting (A): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 5.0 ATTACHMENTS CHECKLIST

6.1 Device mounted photo: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.2 Panel open view with wiring completed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.3 LED status captured in image: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_