



## Case Study – Anti Dust Shielding treatment for power restoration

### Customer Challenges

The client had installed a 3.3KWp Solar PV plant installed on the terrace of his bungalow at Suratkal ( Near Mangalore ). Customer was not able to clean to solar panel getting dustier due to Bird sheeting & environmental dust. This has reduced power generation to almost 50% making loss of almost Rs.3000/- per month through additional electricity bill. This is because

- There was no proper access pathway made while installing the Solar Panels
- The Panel Height was higher than water available level

Due to these reasons customer has to depend upon availability external labourers , which also added cost of power generation. On the top it, available water level being lower to solar panels, the water splashing did not have enough pressure to remove dust on panels and demanded stronger cleaning by reaching to individual panel, which was a big challenge.

### Solution Offered

PlasmaBerry Team on inspecting the entire installation, suggested their proprietary, Anti Dust Shielding ( ADS) treatment for all the installed panels as immediate recovery. The ADS treatment would ensure

- No dust , either dry or wet, does not get settled on panel.
- The unsettled dust get removed from the panels even by general dusting-off or by simple splashing of the water.

### Results obtained after 2 months

1. The plant restored back the power as designed after ADS treatment.
2. The treatment took 24 Hrs to offer desired results.
3. The plant has not been cleaned for last 2 months without any power degradation.

### Photographs of the site, before & after ADS treatment



### PlasmaBerry Solar Pvt Ltd,

B-301, Raylon Arcade, Ramakrishna Mandir Road, Kondivita Village,  
MIDC, Andheri-E, Mumbai-59. ( India ).

Ph. No. 9029008595

[www.plasmaberry.com](http://www.plasmaberry.com)

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