SUMMARY OF TEST REPORTS NO 4788938966.1.1-BIS-S3 DATED(mm/dd/yyyy): 12/31/2019
ULR No: TC616819100001192F
(Number of pages in test report: Page no.1 to 102)

<u>**TEST FORMAT AS PER IS/IEC 61730-2:2004 +A1:2017**</u>

1. **Name of manufacturer:**	Navitas Green Solutions Pvt Ltd
2. **Product:**	Crystalline Silicon Photovoltaic (PV) Modules
3. **Model:**	**Representative Model:** NSM380 **Series Models:** For Mono-PERC solar Module Series NSMxxx, xxx stands for power range from 375 to 320, in step of 5W (72 cell Family) NSMxxx-60, xxx stands for power range from 330 to 250, in step of 5W (60 cell Family) NSMxxx-54, xxx stands for power range from 295 to 215, in step of 5W (54 cell Family) NSMxxx-48, xxx stands for power range from 265 to 180, in step of 5W (48 cell Family) NSMxxx-36, xxx stands for power range from 185 to 150, in step of 5W (36 cell Family) NSMxxx-66, xxx stands for power range from 355 to 295, in step of 5W (66 cell Family) For Poly Crystalline solar Module Series NSAxxx, xxx stands for power range from 345 to 295, in step of 5W, & NSA200 (72 cell Family) NSAxxx-60, xxx stands for power range from 300 to 250, in step of 5W, NSA240-60 & NSA230-60 (60 cell Family) NSAxxx-54, xxx stands for power range from 270 to 230, in step of 5W (54 cell Family) NSAxxx-48, xxx stands for power range from 240 to 200, in step of 5W (48 cell Family) NSAxxx-36F, xxx stands for power range from 175 to 150, in step of 5W & NSA140-36F (36 (Full) cell Family) NSA170-36, NSA165-36, NSA160-36, NSA155-36, NSA150-36, NSA140-36, NSA130-36, NSA125-36, NSA120-36, NSA110-36, NSA100-36, NSA90-36, NSA80-36, NSA75-36, NSA74-36, NSA70-36, NSA60-36, NSA50-36, NSA40-36, NSA37-36 (36 (Cut) cell Family) NSA235-96, NSA230-96, NSA225-96, NSA220-96, NSA210-96, NSA210-96, NSA200-96 (96 cell Family) NSAxxx-120, xxx stands for power range from 300 to 250, in step of 5W (120 cell Family)

SUMMARY OF TEST REPORTS NO 4788938966.1.1-BIS-S3 DATED(mm/dd/yyyy): 12/31/2019
ULR No: TC616819100001192F

	NSAxxx-144, xxx stands for power range from 340 to 300, in step of 5W (144 cell Family)
	NSAxxx-66, xxx stands for power range from 325 to 275, in step of 5W (66 cell Family)
4. Model differences provided (if applicable): Yes/No	YES
5. Model differences verified as per MNRE Guidelines for series formulation: Yes/No	YES

6. Test Results:

SL. NO.	TEST REQUIREMENTS	CLAUSE	VERDICT
1	MST 01 – Visual inspection	10.1	P
2	MST 11 – Accessibility test	10.2	P
3	MST 12 – Cut susceptibility test	10.3	P
4	MST 13 – Ground continuity test	10.4	P
5	MST 14 – Impulse voltage test	10.5	P
6	MST 16 – Dielectric withstand test	10.6	P
7	MST 21 – Temperature test	10.7	P
8	MST 23 – Fire test	10.8	P
9	MST 26 – Reverse current overload Test	10.9	P
10	MST 32 – Module breakage test	10.10	P
11	MST 17 – Wet leakage current test	MST 17	P
12	MST 22 – Hot-spot test	MST 22	P
13	MST 34 – Mechanical load test	MST 34	P
14	MST 51a – Thermal cycling test (TC200)	MST 51a	P
15	MST 51b – Thermal cycling test (TC50)	MST 51b	P
16	MST 52 – Humidity freeze test	MST 52	P
17	MST 53 – Damp heat test	MST 53	P
18	MST 54 – UV preconditioning test	MST 54	P
19	Robustness of Terminations test	10.14	P
20	Bypass diode thermal test	10.18	P
-	**Component tests**	-	-
19	Partial discharge test	MST 15	N/A

SUMMARY OF TEST REPORTS NO 4788938966.1.1-BIS-S3 DATED(mm/dd/yyyy): 12/31/2019
ULR No: TC616819100001192F

20	Conduit bending test	MST 33	N/A
21	Terminal box knockout test	MST 44	N/A

General Information:

1. The conformity certificates of critical components are verified to ensure complete testing of product under test and details regarding harmonized IEC/UL Standards (where IS standards are not available) are also provided in the list of critical component.

CONCLUSION:

1. Sample meets all relevant requirements of IS/IEC 61730-2: 2004 +A1:2017:

2. ~~Sample fails to meet the following test requirements:~~

I, hereby, undertake that the verdict stated in the test reports for all the tests matches with the test results. The sample meets all relevant requirements of IS/IEC 61730-2:2004 +A1:2017: ~~/does not meet the requirements stated above at 2) of conclusion.~~ If any deviation is found, suitable punitive action may be taken by BIS.

Date(mm/dd/yyyy): 12/31/2019   **(Signature of Authorized person with stamp)**