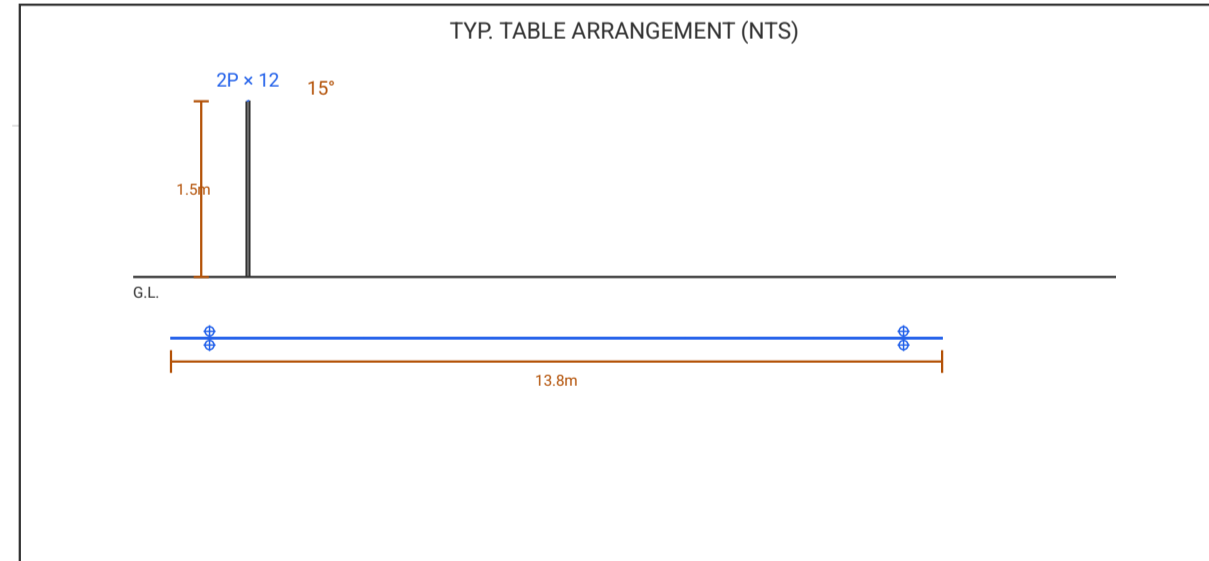


Total Plant DC Capacity	5022.7 kWp
Module Wp Used	640 Wp
Total No. of PV Modules	7848
Module Dimensions (mm)	2382x1133
Module Orientation	Portrait
Zone 1: Table Matrix	2P x 12
Zone 1: Tilt Angle	15°
Zone 1: Pitch Distance	7.2 m
Zone 1: GCR	64%
Zone 2: Table Matrix	2P x 12
Zone 2: Tilt Angle	15°
Zone 2: Pitch Distance	7.0 m
Zone 2: GCR	66%
Zone 3: Table Matrix	2P x 12
Zone 3: Tilt Angle	15°
Zone 3: Pitch Distance	7.5 m
Zone 3: GCR	62%
Zone 4: Table Matrix	2P x 12
Zone 4: Tilt Angle	15°
Zone 4: Pitch Distance	6.8 m
Zone 4: GCR	68%
Approx. Area for Solar	71976 Sq.m
Geo Location	25.721250, 94.107292

TYPICAL SYSTEM CONFIGURATION							
Block	Inv.	SCB	Strings	Modules	DC kWp	AC kW	DC/AC
Block 1	1	17	336	3363	2152.3	5000	0.43
Block 2	2	19	370	3704	2370.6	5000	0.47
Block 3	3	4	78	781	499.8	5000	0.10
TOTAL	3	40	784	7848	5022.7	15000	0.33

LEGEND	
	Land Boundary
	Panel Table
	Pile Foundation
	Zone Boundary
	Annotation
	Earthing Strip
	Earth Pit
	Lightning Arrester
	Tree
	Light Pole
	Obstruction



Reslink Technology	PROJECT NAME: Nagaland 2	SITE ADDRESS: P4C4+HJW, Thizama, Nagaland 797004, India	MODULE: ELAN SHINE TOPCON Series	SCALE: 1:2000
DESIGNED BY: Kalyan Tarafdar	CLIENT: Nagaland Government	SITE COORDINATES: 25.721250, 94.107292	INVERTER: SUN-23/25/30K-G04-LV	SHEET SIZE: A1 (841x594)
DRAWING TITLE: OVERALL PV ARRAY LAYOUT	PLANT CAPACITY: 5022.7 kWp	TOTAL PANELS: 7848 x 640Wp	DATE: 26/3/2026	SHEET NO.: 1 OF 3

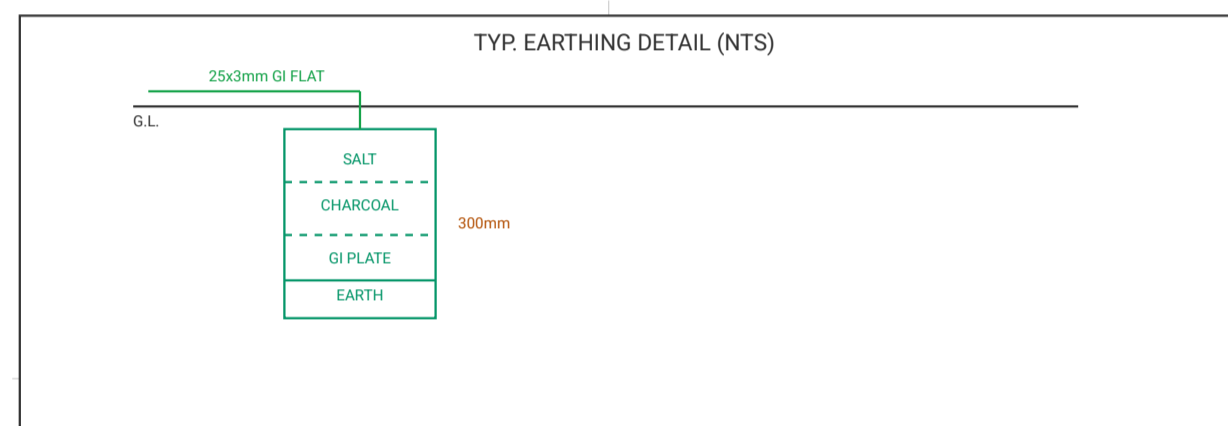
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EARTHING DETAILS	
No. of Lightning Arrestors	4 NOS
LA Coverage Radius	15 MTR (ESE type)
Total No. of Earth Pits	42 NOS
Earth Strip Total Length	1172 M
Earth Strip Specification	25x3mm GI Flat Strip
Earth Pit Specification	300x300mm CI Plate
Module Frame Earthing	6 SWG GI Wire
LA Earth Pits	8 NOS (2 per LA)
LA Cu. Cable	70 SQ.MM, 24 MTR

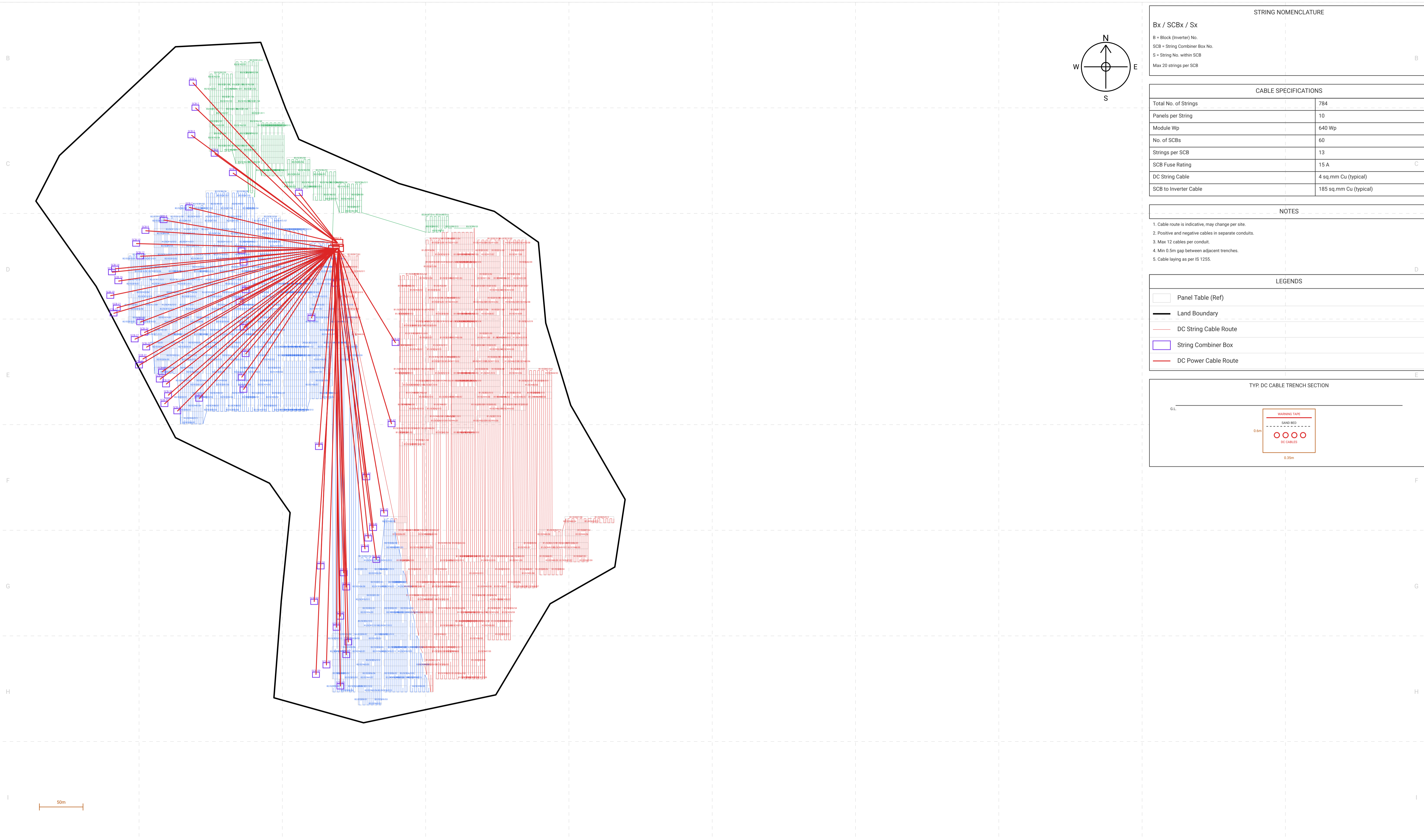
NOTES	
1. Min 3 MTR gap between earth pits	
2. Earth strip buried 300mm below ground	
3. All ground connections by bolted joints	
4. Connection below ground by electric arc welding	

LEGENDS	
	Panel Table (Ref)
	Land Boundary
	Earthing Strip Route
	Earth Pit
	Lightning Arrester
	ESE LA Coverage Radius



Reslink Technology	PROJECT NAME: Nagaland 2	SITE ADDRESS: P4C4+HJW, Thizama, Nagaland 797004, India	MODULE: ELAN SHINE TOPCON Series	SCALE: 1:2000
DESIGNED BY: Kalyan Tarafdar	CLIENT: Nagaland Government	SITE COORDINATES: 25.721250, 94.107292	INVERTER: SUN-23/25/30K-G04-LV	SHEET SIZE: A1 (841x594)
DRAWING TITLE: EARTHING & LA LAYOUT	PLANT CAPACITY: 5022.7 kWp	TOTAL PANELS: 7848 x 640Wp	DATE: 26/3/2026	SHEET NO.: 2 OF 3

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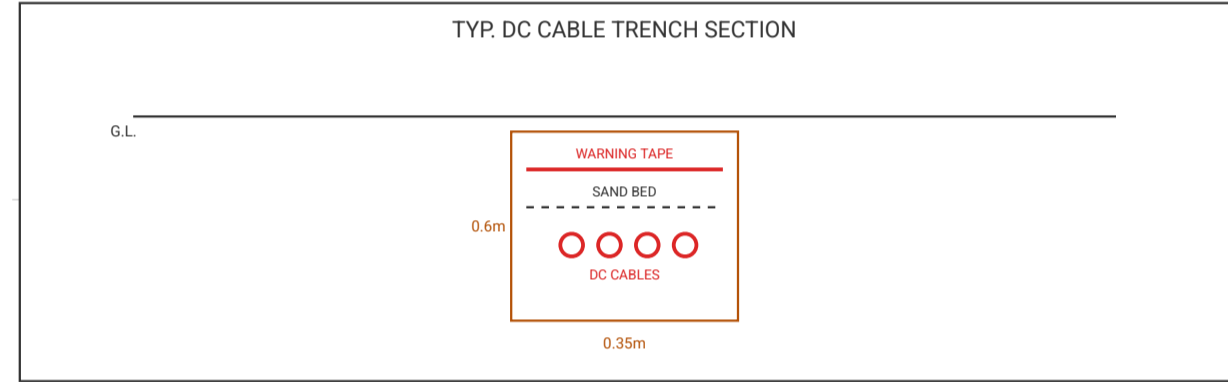


STRING NOMENCLATURE	
Bx / SCBx / Sx	
B = Block (Inverter) No.	
SCB = String Combiner Box No.	
S = String No. within SCB	
Max 20 strings per SCB	

CABLE SPECIFICATIONS	
Total No. of Strings	784
Panels per String	10
Module Wp	640 Wp
No. of SCBs	60
Strings per SCB	13
SCB Fuse Rating	15 A
DC String Cable	4 sq.mm Cu (typical)
SCB to Inverter Cable	185 sq.mm Cu (typical)

- NOTES**
- Cable route is indicative, may change per site.
 - Positive and negative cables in separate conduits.
 - Max 12 cables per conduit.
 - Min 0.5m gap between adjacent trenches.
 - Cable laying as per IS 1255.

LEGENDS	
	Panel Table (Ref)
	Land Boundary
	DC String Cable Route
	String Combiner Box
	DC Power Cable Route



Reslink Technology	PROJECT NAME: Nagaland 2	SITE ADDRESS: P4C4+HJW, Thizama, Nagaland 797004, India	MODULE: ELAN SHINE TOPCON Series	SCALE: 1:2000
DESIGNED BY: Kalyan Tarafdar	CLIENT: Nagaland Government	SITE COORDINATES: 25.721250, 94.107292	INVERTER: SUN-23/25/30K-G04-LV	SHEET SIZE: A1 (841x594)
DRAWING TITLE: DC STRING CABLE ROUTE LAYOUT	PLANT CAPACITY: 5022.7 kWp	TOTAL PANELS: 7848 x 640Wp	DATE: 26/3/2026	SHEET NO.: 3 OF 3

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