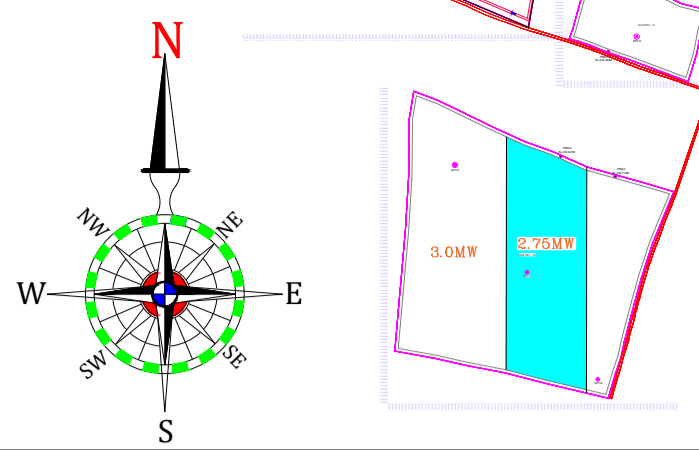


GAT.NO.:- 96
3.5MW
SFS



LAND DETAILS OF SOLAR PARK -2.75MW

TOTAL AREA-GAT.96	32.15 ACRES
REQUIRED AREA-2.75MW	45122 SQ.MTR
SOLAR PLANT AREA	11.30 ACRES

PROJECT DETAILS: 2.75MW AC SOLAR PLANT

MODULE QUANTITY	6076 NOS
MODULE WATTAGE	580 WP
MODULE IN SERIES	28 NOS
TOTAL STRINGS	217 NOS
TILT ANGLE	6°
PITCH DISTANCE	5 MTRS.
SAT-84BT	65 NOS
SAT-56BT	11 NOS
INVERTER (250KW)	11 NOS
DC CAPACITY	3.5MWp
AC CAPACITY	2.75 MW
TRANSFORMER CAPACITY	3.0 MVA
SITE CO-ORDINATES	17.854104, 75.319527
TOTAL AREA/LAND	11.15 ACRES

LEGENDS-2.75MW AC SOLAR POWER PLANT

SYMBOL	DESCRIPTION	QUANTITY
[Symbol]	580 WP SOLAR PV MODULE	6076 NOS.
[Symbol]	250KW INVERTER	11 NOS.
[Symbol]	13-IN 1-OUT ACDB	01 NOS.
[Symbol]	LIGHTNING ARRESTER	03 NOS.
[Symbol]	EARTHING PIT	50 NOS.
[Symbol]	25x3 MM GI EARTHING STRIP	700 MTRS
[Symbol]	50x6 MM GI EARTHING STRIP	200 MTRS
[Symbol]	3MTR WIDTH INTERNAL ROAD	350 MTRS
[Symbol]	INVERTER TO ACDB CABLE	2000 MTRS
[Symbol]	1000X1000MM CABLE TRENCH	400 MTRS
[Symbol]	1500X1000MM CABLE TRENCH	130 MTRS
[Symbol]	WATER PIPELINE	700 MTRS
[Symbol]	WATER TAP FOR CLEANING	40 NOS
[Symbol]	RTU LOGGER	01 NOS

PROJECT NAME: 2.75MW AC SOLAR POWER PLANT

INVERTER NO.	INVERTER AC CAPACITY(KW) @45°C	NO. OF PV MODULE/ STRING	NO. OF STRING/ INVERTER	TOTAL PV MODULE/ INVERTER	DC CAPACITY(KWp)/ INVERTER	DC:AC RATIO
1	250	28	20	560	324.80	1.30
2	250	28	20	560	324.80	1.30
3	250	28	21	588	341.04	1.36
4	250	28	20	560	324.80	1.30
5	250	28	19	532	308.56	1.23
6	250	28	20	560	324.80	1.30
7	250	28	19	532	308.56	1.23
8	250	28	20	560	324.80	1.30
9	250	28	19	532	308.56	1.23
10	250	28	20	560	324.80	1.30
11	250	28	19	532	308.56	1.23
TOTAL	2750	28	217	6076	3524.08	1.29

MMS PILING DETAILS: 2.75MW AC SOLAR POWER PLANT

MMS	TRACKER QUANTITY	PILING/TRACKER	TOTAL PILING	TOTAL PV MODULE
STL-84BT (1PX84)	65	15	975	5460
STL-56BT (1PX56)	11	11	121	616
TOTAL	76		1096	6076

RO PRELIMINARY DRAWING ISSUE FOR APPROVAL 06.01.2025

RE.NO DESCRIPTION DATE

DESIGN BUILD ELECTRICAL CONTRACTOR :
ZTRIC
ZTRIC INDIA PVT. LTD
501 Crystal Homes Lalit Estates
Baner Road, Pune, MH - 411045.

PROJECT TITLE :
KARKAMBH PARK

DRAWING TITLE :
2.75MW AC SOLAR POWER PLANT LAYOUT-SFS

PROJECT LOCATION: SOLARARC ELECTRICAL COMPANY PH-1 A/P. Karkamb, Tal-Pandharpur, Dist-Solapur

DWG. NO. : ZTR/SP/SPPL/2024-25/003

SCALE : 1:850 DATE : 06.01.2025 REV. NO. : RO
APPROVED : JM CHECKED : VP DESIGNED : VP