



KALPA POWER

**MAKING POWER MORE RELIABLE,
AFFORDABLE & ENVIRONMENT FRIENDLY**

www.kalpapower.com

About Kalpa Power



Inception 2017

Exploring the Depths of Imagination



150+ Work Force

Empowering Teams for Success



125+ MWp

Contracted capacity since inception



40 MWp

Ongoing projects



200+ MWp

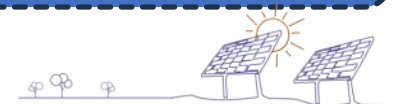
Assets under maintenance



175+ Satisfied Customer

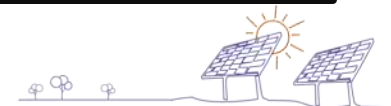
Exceeding Expectations Every Time

Kalpa Power Pvt. Ltd. is a leading turnkey solution provider of solar power generation systems. We design & install solar power systems for businesses to help reduce their energy bills, sustain the quality of their environment, & shape the future of energy production & conservation.



Awards & Testimonials

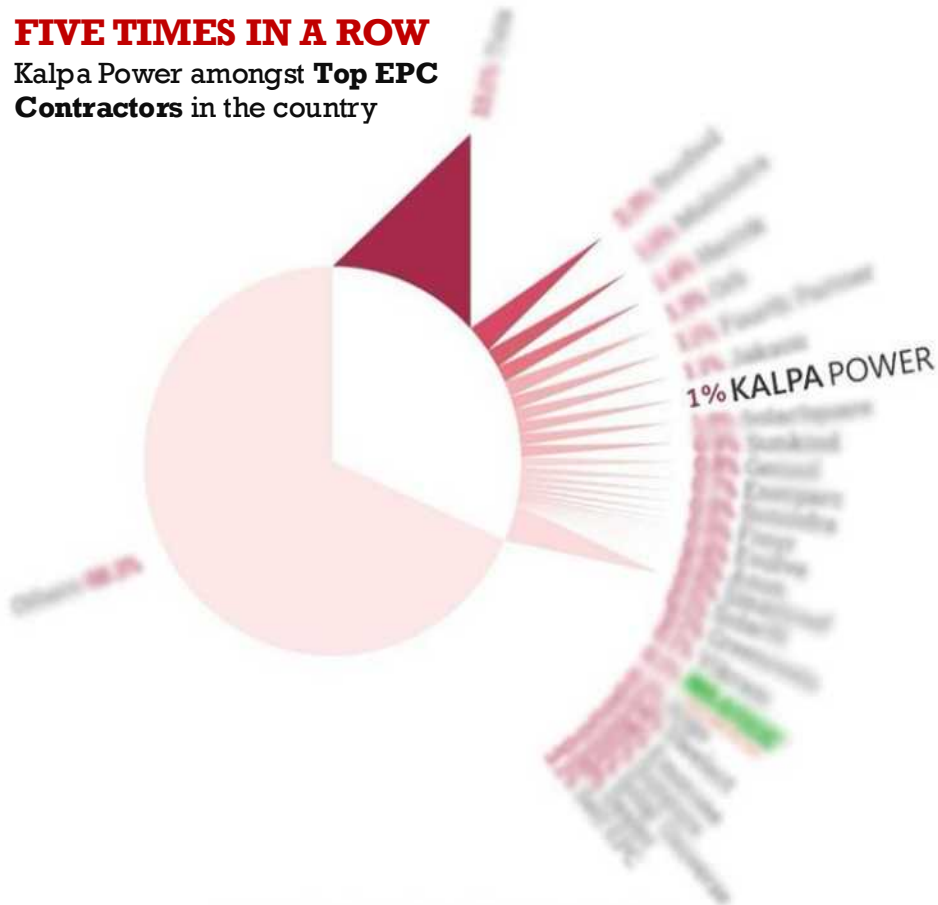




AMONG THE TOP 10 EPC CONTRACTORS FOR THE YEAR 2023

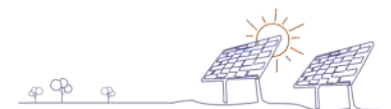
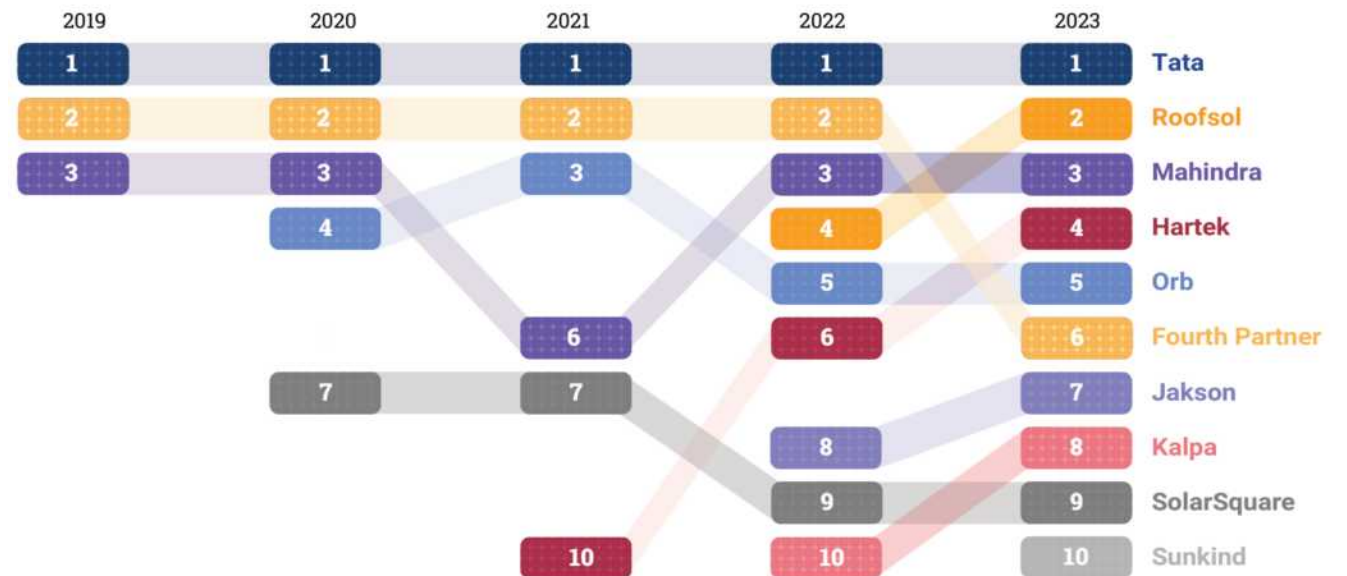
FIVE TIMES IN A ROW

Kalpa Power amongst **Top EPC Contractors** in the country



Top 10 EPC contractors

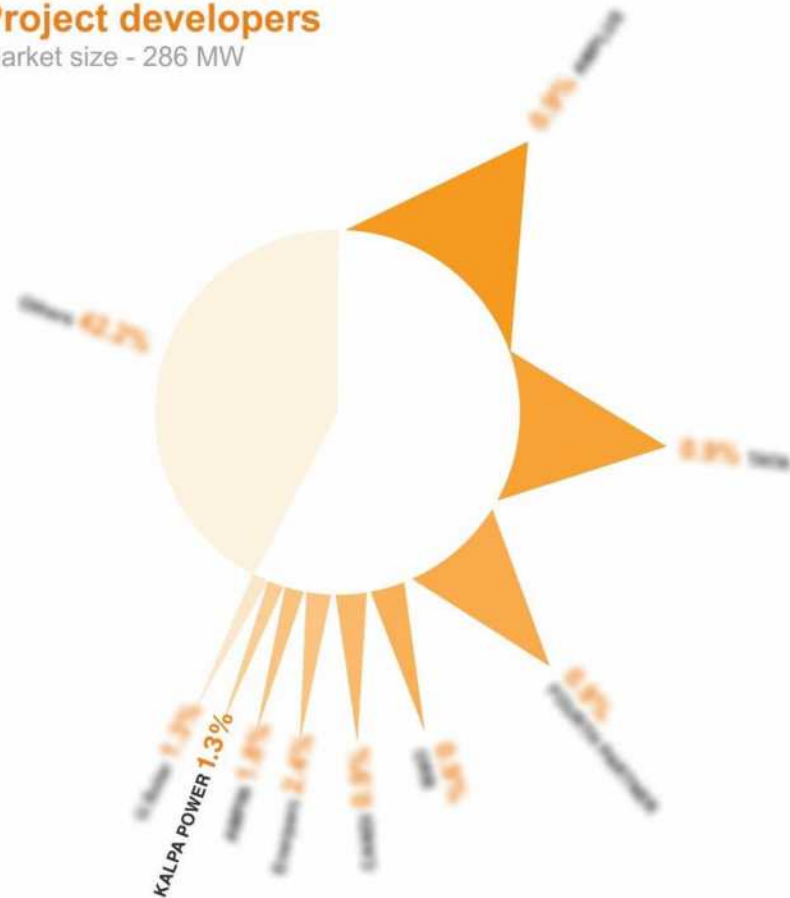
Rankings on the basis of capacity installed in the year



AMONG THE TOP 10 PROJECT DEVELOPERS FOR THE YEAR 2023

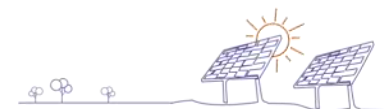
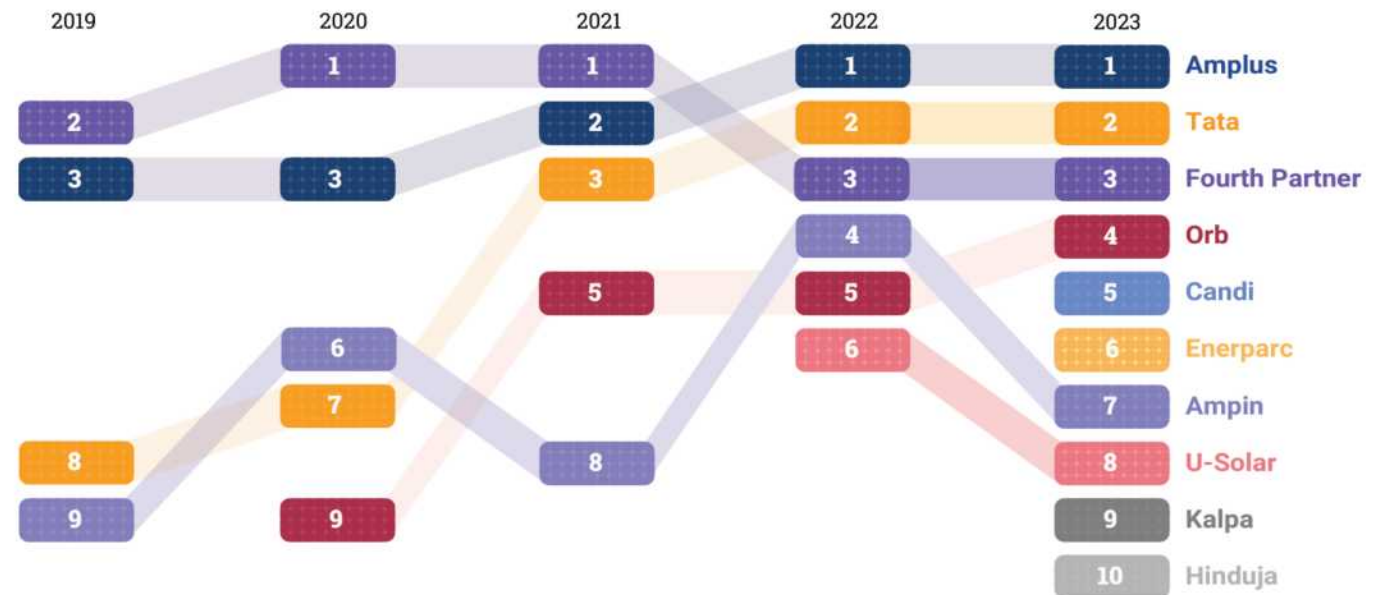
Project developers

Market size - 286 MW



Top 10 project developers

Rankings on the basis of capacity installed in the year

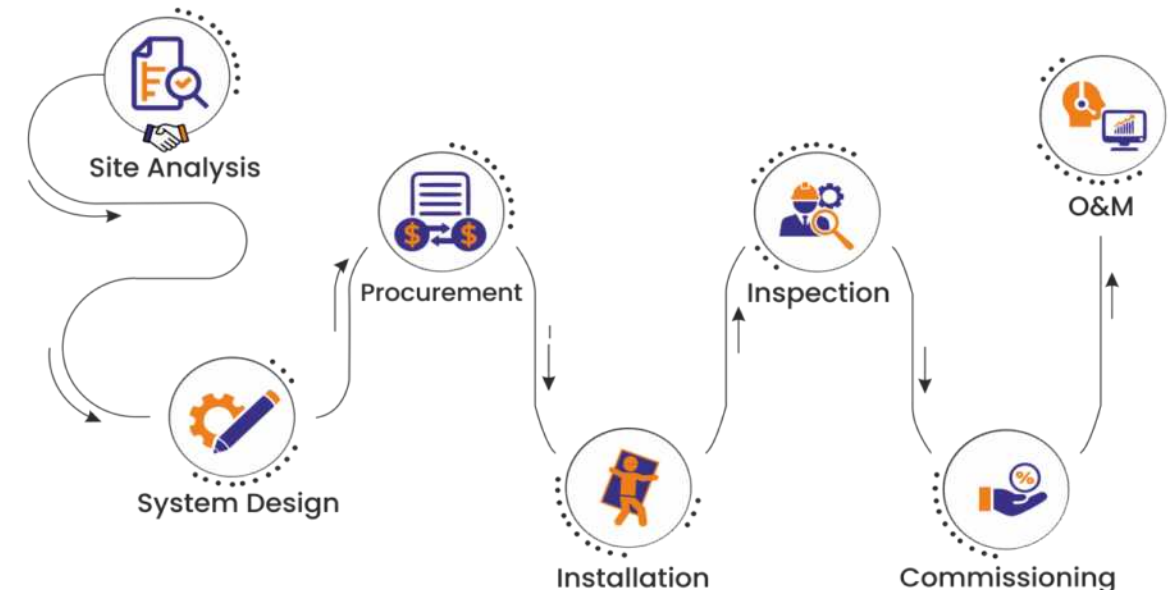
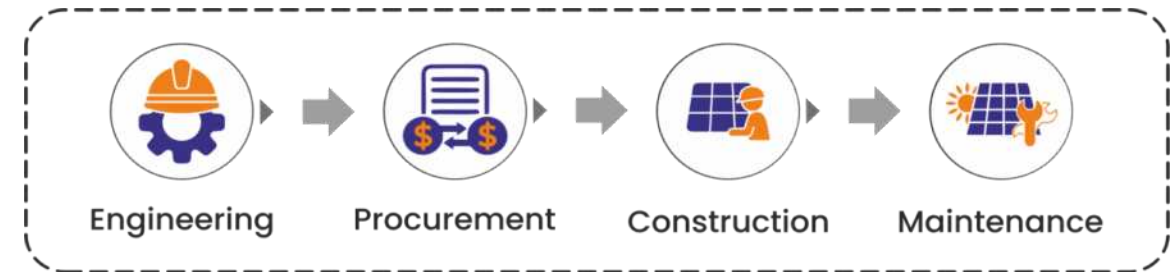


Solar as a Service

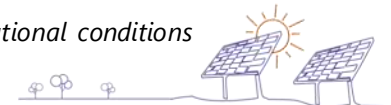
Fully comprehensive value chain, design, procurement, installation, project management, commissioning, maintenance and monitoring solution provided by Kalpa.

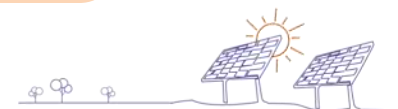
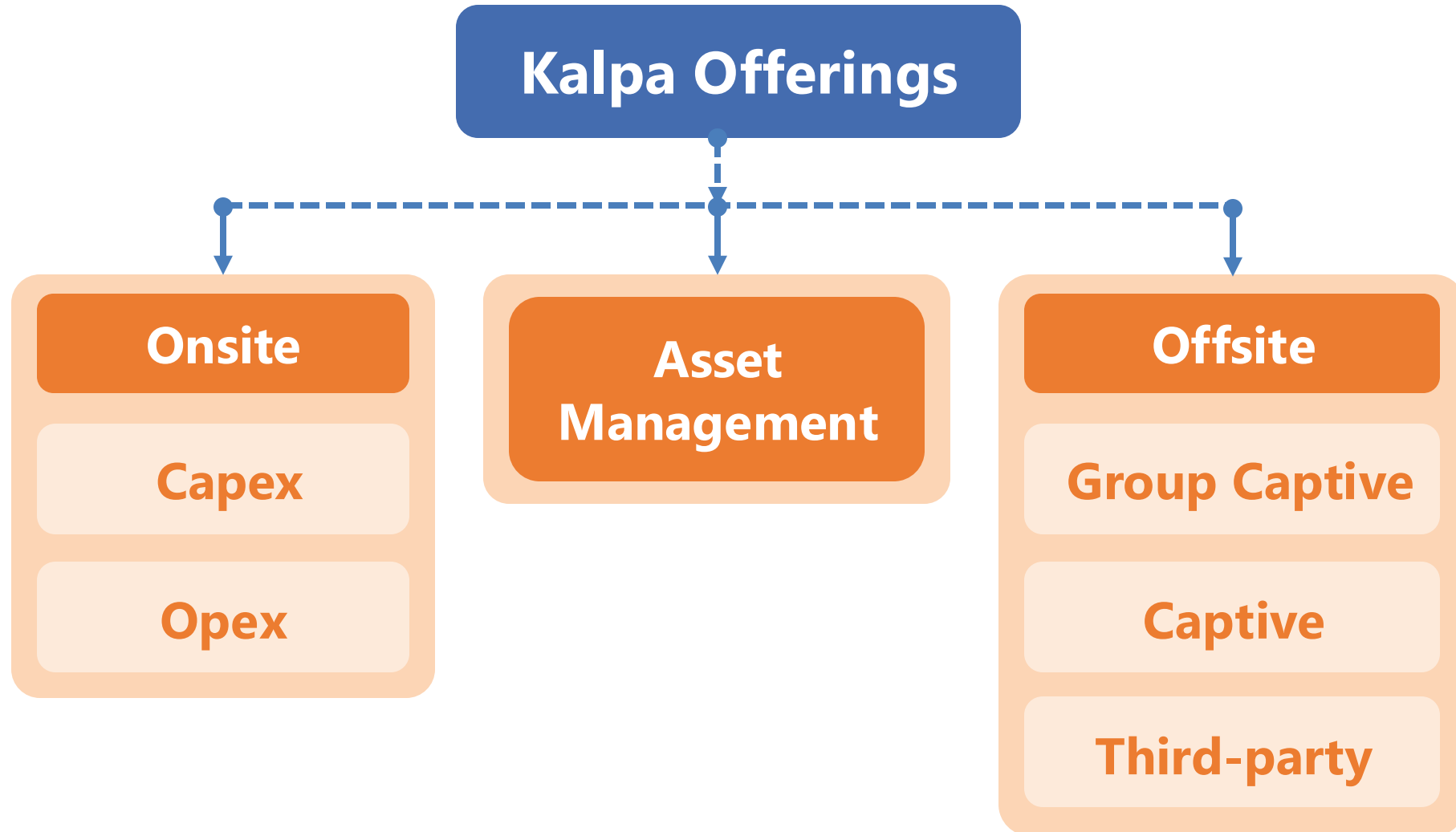
Benefits of Kalpa

- 1 Guaranteed Performance Ratio (PR*) for the plant.
- 2 Detailed Techno-commercial analysis.
- 3 Guaranteed savings via energy savings on consumption.
- 4 Zero initial investment scheme.
- 5 In-house plant monitoring tools for efficient and hassle-free O&M.



* - PR varies from site-to-site based on environmental and operational conditions





Kalpa Offering – CAPEX model

1 Turnkey solution

Kalpa engineers, procures, installs, commissions & maintains the solar plant located in your premises.

2 Capital Investment

Client invests 100% of the capital required.

3 Returns over investment

Lifetime of the project: 20-25 years.

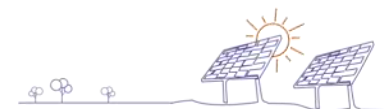
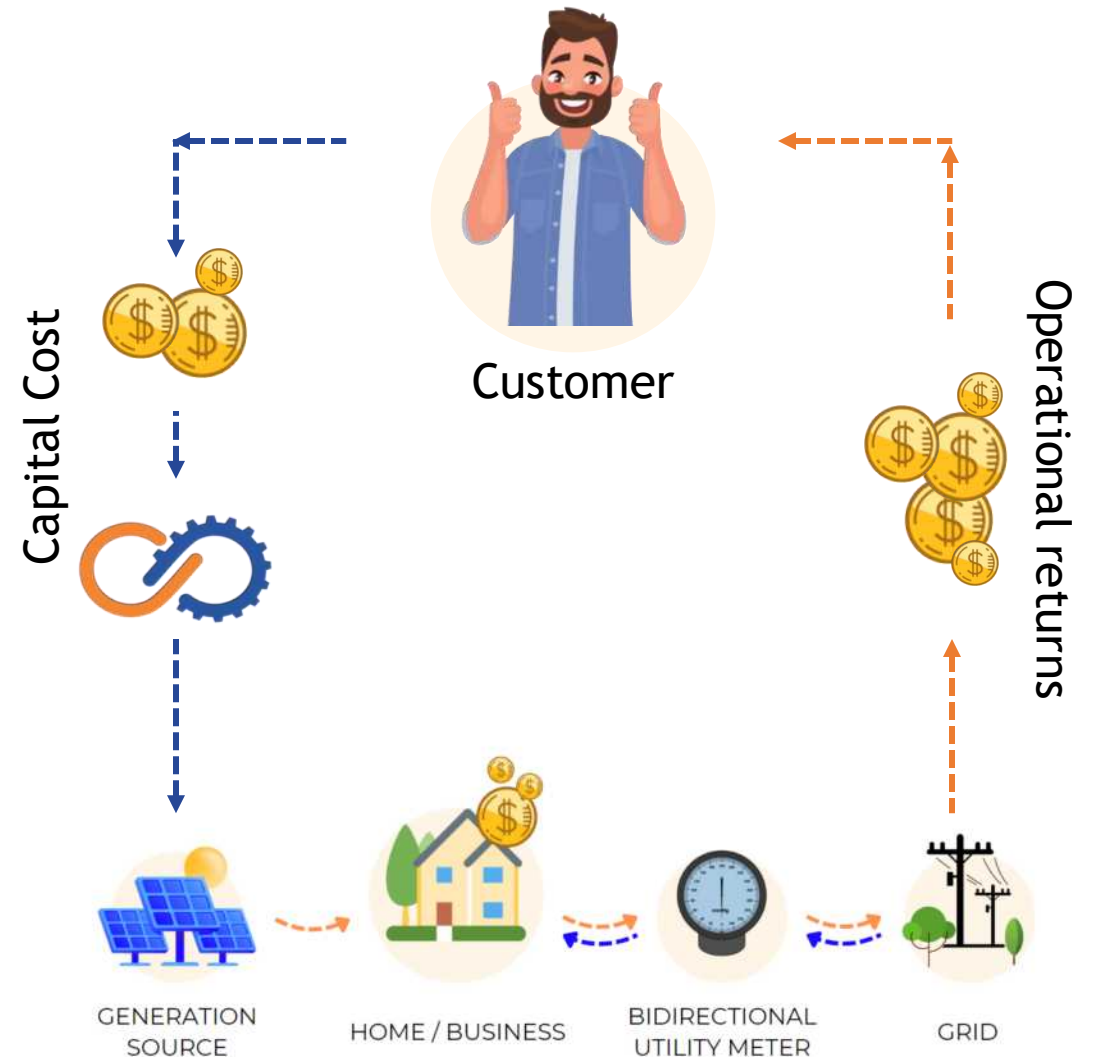
LCOE: less than 2.5 INR/unit.

4 Guaranteed returns

Kalpa provides detailed assessment of generation and hence the returns can be assured

5 Customized solutions with Predicted generation

Kalpa provides optimized solutions for all types of ground mounted and roof-top solar plants along with net-metering system.



Kalpa Offering – OPEX model

1 Turnkey solution

Kalpa engineers, procures, installs, commissions & maintains the solar plant located in your premises.

2 Capital Investment via PPA

Kalpa invests 100% of the capital required.

3 Returns over investment

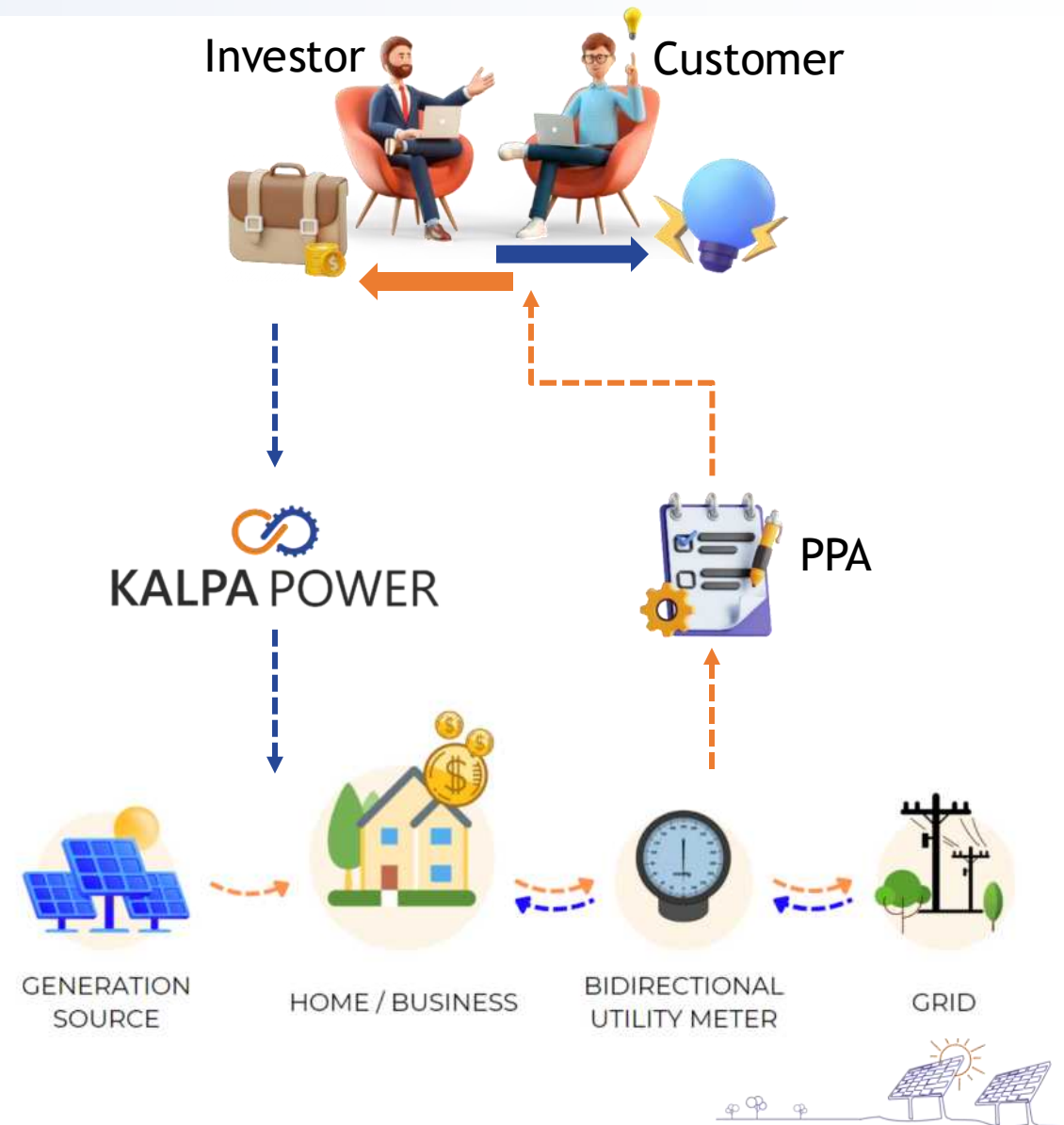
Lifetime of the project: 25 years.

4 Kalpa assurance on PPA and O&M

Kalpa makes sure that the tri-party PPA is attended to under all circumstances. Also, Kalpa ensures the plant is monitored well within the warranty period.

5 Guaranteed returns with tailor-made solutions using predicted generation

Kalpa provides in details assessment of generation and hence the returns can be assured.



Kalpa Offering – Open Access Solar Plant

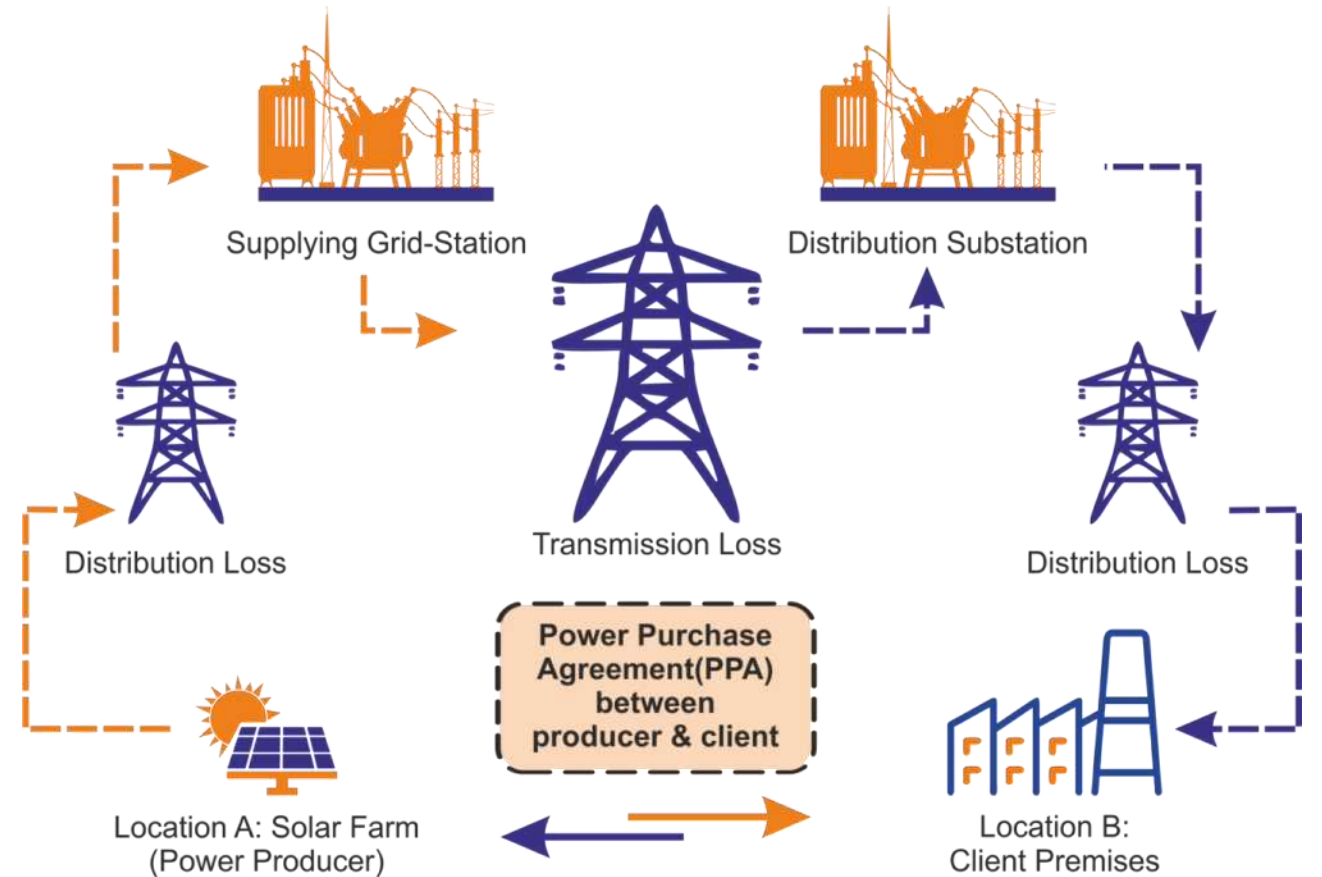
Open access allows large industries to directly procure clean power from independent power producer

1 System includes:

- ✓ Land
- ✓ Transmission line
- ✓ Turnkey Solar System

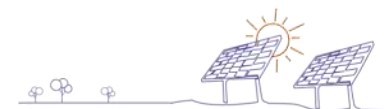
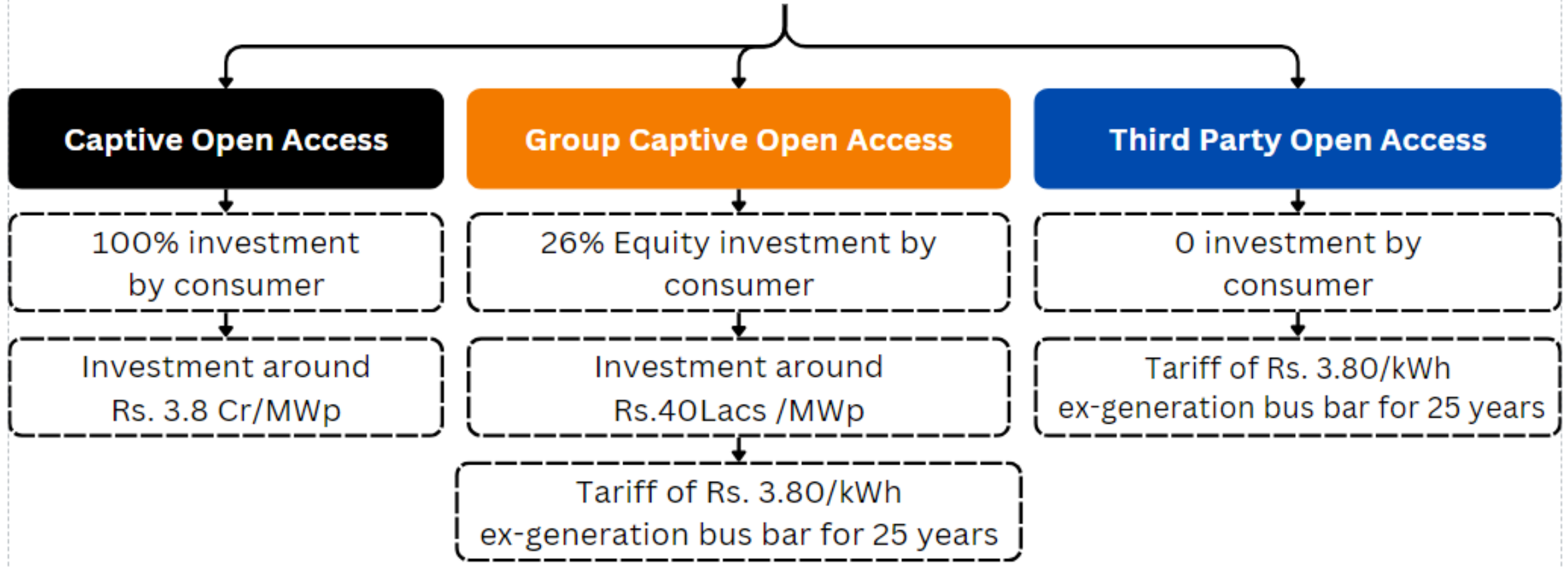
2 Key considerations for Buyers:

- a Contract demand must be > 1 MW
- b Sign bulk power Transmission/Wheeling agreements with state nodal agencies & DISCOMS
- c T & D Losses subject to connectivity voltage of consumer
- d Cross Subsidy surcharge waived off for captive OA



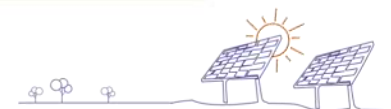
Types of Open Access (Off site) Solar Project

OPEN ACCESS (OFF SITE) SOLAR PROJECT



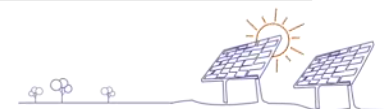
Open Access Charges in Maharashtra

Sr No.	Type of charges	Charges	Captive Open Access	Group Captive Open Access	Third Party Open Access
01	Transmission charges	Rs. 0.49/kWh x 2	✓	✓	✓
02	Wheeling charges	Rs. 0.60/kWh	✓	✓	✓
03	Additional Surcharge	Rs. 1.39/kWh	✗	✗	✓
04	Cross Subsidy Surcharge	Rs. 1.79/kWh	✗	✗	✓
05	Operating Charges (< = 5MW Capacity)	Rs. 15,450/month	✓	✓	✓
06	Operating Charges (> 5MW Capacity)	Rs. 29,500/month	✓	✓	✓



Computation of Landed Cost of Electricity

Sr. No.	Details	Unit	Values	Values	Values
1	Voltage	kV	33/22/11	33/22/11	33/22/11
2	Solar Generation Capacity	kWp	2,000	3,000	4,000
3	CUF	%	17.69%	17.69%	17.69%
4.a.	Solar Supplied unit at Generation Bus Bar	kWh	3,100,000	4,650,000	6,200,000
4.b	Less: Wheeling Loss (7.50%)	kWh	232,500	348,750	465,000
4.c	Less: State Transmission Loss (3.18%)	kWh	98,580	147,870	197,160
4.d	Quantum at buyers periphery	kWh	2,768,920	4,153,380	5,537,840
5.a	Add: Wheeling Charge (0.60)	(B)	1,860,000	2,790,000	3,720,000
5.b	Add: State Transmission Charge (0.96)	(C)	2,713,542	4,070,312	5,427,083
5.c	Add: Operating Charge	(D)	185,400	185,400	185,400
6	Total Charges	(E)= (B+C+D)	4,758,942	7,045,712	9,332,483
7	Landed Cost of Power	Rs./ kWh	1.72	1.70	1.69



Solar Park: 1



A/p: JAWALGA BET

Tal: Omerga

Dist: Dharashiv

Location:

Capacity: 20 MW/28 MWp



Solar Park: 2



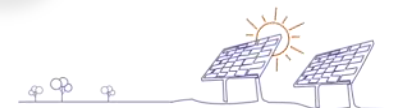
A/p: DABHADA

Tal: Dhamangaon

Dist: Amravati

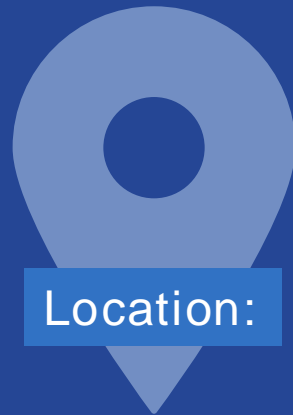
Location:

Capacity: 20 MW/28 MWp



SOLAR PARK:

3

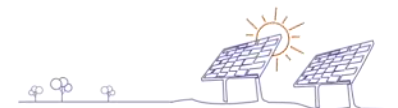


Location:

A/p: AMBAD

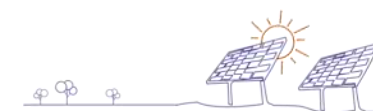
Dist: Jalna

Capacity: 20 MW/28 MWp

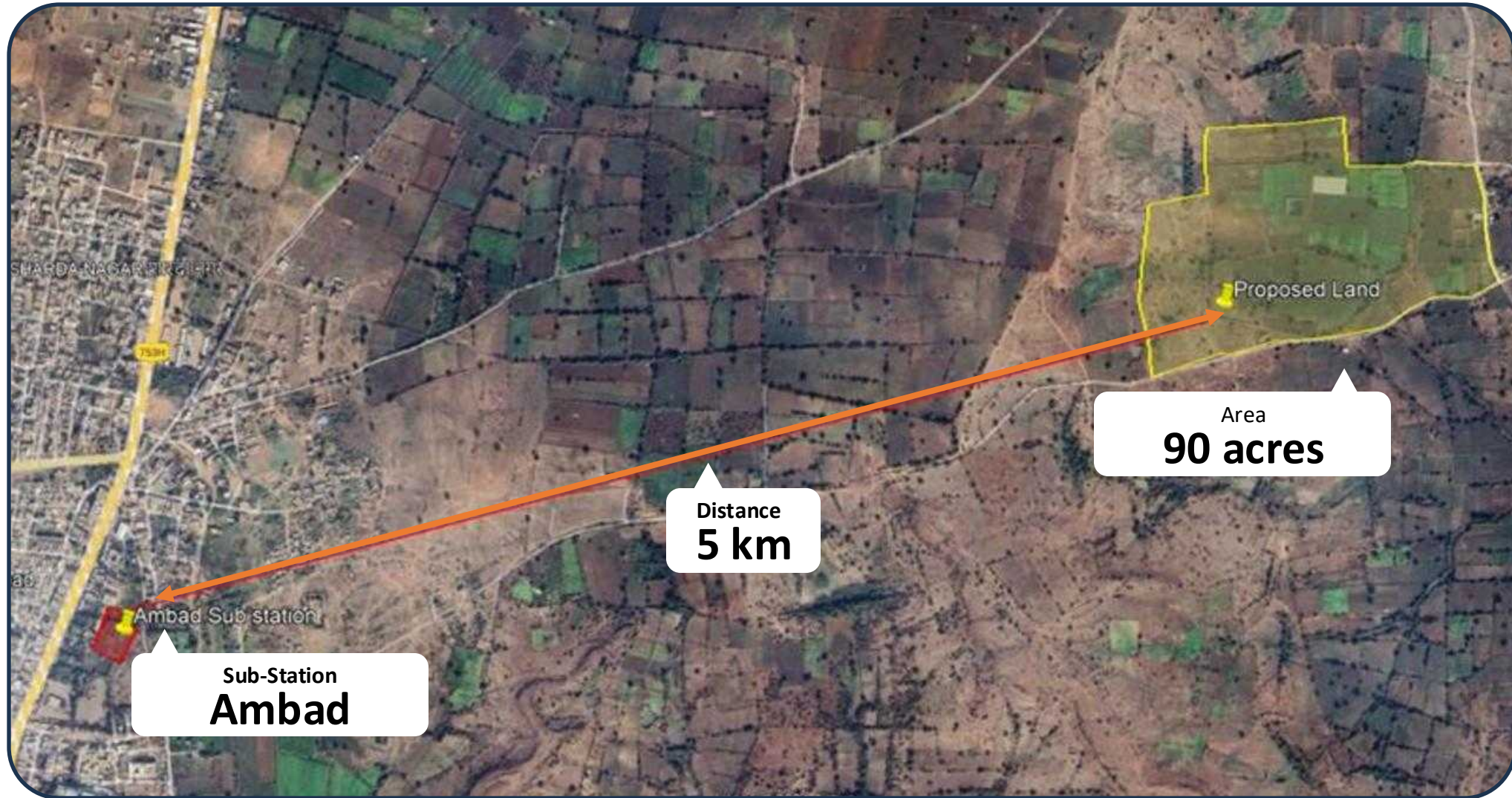


Our Upcoming Park

Sr. No.	Details	Values
1.	Land identified	Yes, Ambad, Jalna
2.	Wind Load	In accordance IS 875: Part 3
3.	Power Evacuation	33kV
4.	Module inclination	As per Design
5.	Soil Bearing Capacity	Standard Term
6.	Proposed Sub Station	WIP
7.	Current Ownership of transmission line	Kalpa Power Private Limited (KPPL)
8.	Status of transmission line	Live and ready
9.	Land Area available	90 Acres
10.	Connectivity permission	Applied, Technical Feasibility in process
11.	Future Expansion	Land available




Route For Substation



Land Photos



Technical Feasibility Report



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

From: Name of Office: The Executive Engineer, Office address: EHV Project Division, *Wing no. 104, Administrative Building, 132kV Harsool S/stn Permises, Chhatrapati Sambhajanagar -431001. Contact No.: Phone:(O) 0240-2341915. (R)0240- 2050064. FAX:0240-2364724 Email: ee2610@mahatransco.in EE/EHV/Project /DN./CSN/TECH/ 606	To: The Superintending Engineer, EHV Project Circle, Chhatrapati Sambhajanagar.
DATE: 11/06/24	
Sub: Submission of Technical feasibility for Evacuation of power from proposed 20 MW Solar Power projects proposed at site Village Khadkeshwar, Tal. Ambad, Dist Jalna by M/S M/S.Kalpa Power Private Limited.	
Ref: <ol style="list-style-type: none"> 1. Online Grid Connectivity Application No. 21800200000503 2. CE EHV P.C. O&M Zone, MSETCL mail on Dated: -28.05.2024 3. SE EHV Project Circle, MSETCL. mail on Dated: -28.05.2024 4. MOM at 132kV Ambad ss with O&M and Agencies representative. Dated 10.06.2024 5. AddLEE/EHV/Lines/Proj/Sdn/196. dtd. 10.06.2024. 	

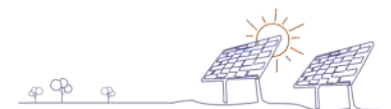
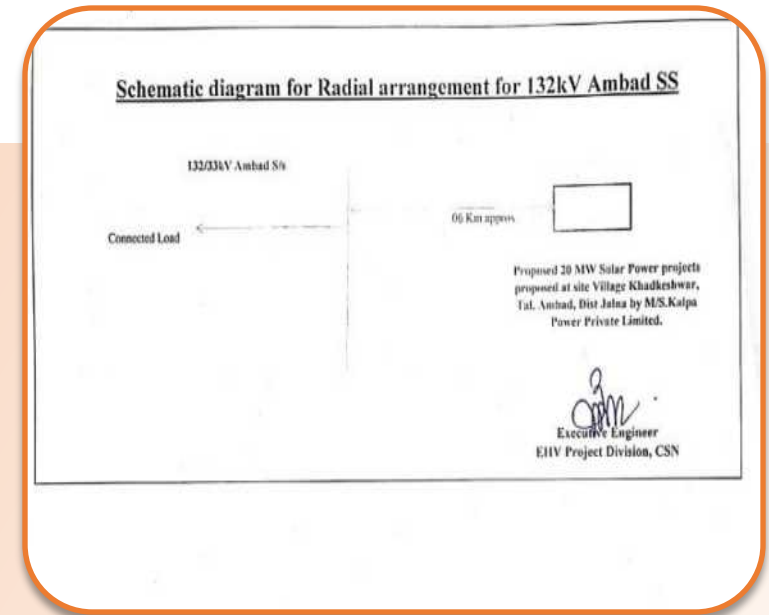
In connection with the above subject, In Connection to above subject, it is asked for Technical Feasibility for 20 MW Solar Power at Village: Khadkeshwar Tq Ambad proposed by M/S.Kalpa Power Private Limited Tal: Ambad, Dist. Jalna vide ref. (02) & (03).

The joint Inspection is carried out by Additional Executive Engineer EHV Lines project sub division CSN, Deputy Executive Engineer (Incharge), 132kV Ambad Substation along with the representative of the developer on dtd. 10.06.2024.

Vide w/r (5) technical feasibility report in r/o evacuation of 20 MW Solar Power at Village: Khadkeshwar Tq Ambad proposed by M/S.Kalpa Power Private Limited Tal: Ambad, Dist. Jalna is submitted by concerned sub division.

Accordingly Details of feasibility are as below:

Sr. No	Particulars	Remarks
1)	Nearest MSETCL Substation	132/33 kV Ambad Sub-station.
2)	Present Max load & capacity of connected substations.	Max Load- 48 MW, Min Load-11MW Capacity -2x50MVA ,132/33 kV TFR.
3)	Length of line from plant site to MSETCL's Substation	06 kms line form proposed site to Ambad Ss.
4)	Availability of space for 33KV bays at Existing MSETCL S/S FOR Line bays & T/F bays.	As per MOM made with Substation Incharge MSETCL O&M (4), 1) Space available for 33kV line bays. 2) 33kV bus extension work needs to be done by M/s. Kalpa Power Private Limited



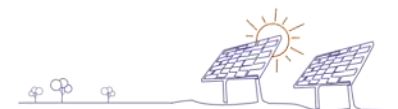
Glimpse of Open Access Park - 1



CLICK TO PLAY VIDEO



Kalpa Projects – Rooftop



Yash Metallics Pvt Ltd

Yash Metallics Pvt Ltd

CAPACITY
3.25 MWp

Dodhia Chem Tex Pvt Ltd

CAPACITY
1.41 MWp

CAPACITY
2.50 MWp

Yash Metallics Pvt Ltd

CAPACITY
7.50 MWp

Kalpa Projects Ground Mount



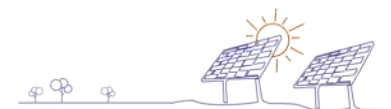
BHADLI – 6.00 MWp



KASBE DIGRAJ – 4.50 MWp



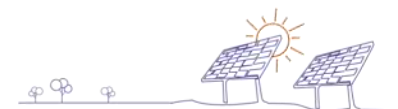
ANSARWADA – 3.50 MWp



Kalpa Projects – RCC mounted



Kalpa Projects – Carport



Kalpa's Presence



1 MAHARASHTRA

Pune: Pirangut, Chakan, Hinjewadi, Tathawade, Wadki., **Mumbai:** Goregaon.,
Others: Nagpur, Aurangabad, Solapur, Ahmednagar, Khandala (Satara), Kolhapur, Nagpur, Latur, Ambarnath, Chhindwara, Ranjangaon, Adgaon (Hingoli), Kasbe Digraj Sangli, Jalna, Vadegaon, Karanja, Sengaon, Pait, Nashik, Roha...

2 KARNATAKA

Bangalore

4 ANDHRA PRADESH

Sri City

6 MADHYA PRADESH

Jabalpur | Bhopal | Chhindwara

8 HARYANA

Rohtak

10 GUJARAT

Ahmedabad

3 TAMIL NADU

Erode | Chennai

5 TELANGANA

Hyderabad | Rudraram

7 UTTAR PRADESH

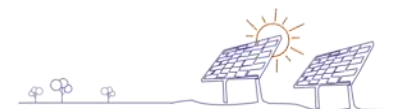
Lucknow | Aligad

9 RAJASTHAN

Jaipur

11 DAMAN

Daman



Clientele Across Globe



Thank you!



KALPA POWER PVT.LTD

Head Office:

A605/606, Amar Business Zone, Baner,
Pune, Maharashtra - 411045

Landline No.: 020 - 69117600

Email: sales@kalpower.com

Website: www.kalpower.com