

Government of Gujarat

Energy and Petrochemicals Department

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To,

Secretary

Ministry of New & Renewable Energy

Atal Akshay Urja Bhavan, Opposite CGO Complex

Lodhi Road, New Delhi- 110003

Subject: Request for Development of Raghunesda Solar Park Phase-II with/without BESS under Mode-8 of MNRE solar park Guidelines.

Respected Sir,

Government of India (GOI) announced Guideline for developing of solar Park in june-2015, Under this guideline, Gujarat has already declared the development of 700 MW Raghunesda Ultra Mega Solar Park Phase-I and 1000 MW Dholera Solar Park. These projects are developed under Mode-I. GPCL, as undertaking of GoG has identified 1206-hectare land adjacent to Existing Raghunesda solar park Phase-I for Raghunesda solar Park Phase- II.

Further to state that, MNRE has modified their development of solar park scheme named as Ultra Mega Renewable Energy Power Park Mode-8 scheme. Under which, park developer would avail minimum of Rs 20 lakhs/MW or 30% of project cost.

Meanwhile, Solar Energy Corporation of India (SECI) has shown interest to set up 700 MW project in Raghunesda solar park Phase-II under CPSU scheme phase-II, Tranche-III with confirmed tariff of Rs. 2.57 and SECI has already signed Power usage agreement (PUA) with GUVNL, in consultation with GPCL. Subsequently, GoG has given approval for development of "700 +MW Raghunesda Solar Park Phase-II with/without BESS". In this project, GPCL, SECI Ltd and GUVNL will work as Solar Power Park Developer (SPPD), Solar Project Developer (SPD) and Power Procurer respectively.

Based on draft Detail Project Report (DPR), Total tentative Estimated Infrastructure Development cost for Raghunesda Solar Park Phase-II:

Infrastructure	Approx. Cost (in crore)
Road Infrastructure	20.62
Site development including Earthen bund	95.85
Water supply infrastructure	11.37
Tele- communication	1.00
Storm water drainage	2.17
Pooling Substation (AIS)	107.06
Admin building including streetlight & other Misc.	4.36
Total Project cost	242.43

The DPR is under preparation. The more precise estimation would be carried out after finalization of DPR.

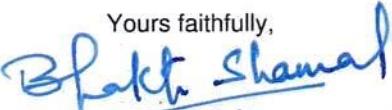
As the site faces significant geotechnical challenges, i.e., waterlogging, high salinity, shallow ground water level, high liquefaction risk and corrosive nature of the soil, etc., civil Construction cost for Park is getting higher. However, the proposed site comprises completely barren land that is unsuitable for any agricultural activities. Owning to its flat terrain, high solar irradiance, the site is highly conducive to efficient solar power generation, making it an ideal condition for development of phase-II. GPCL is also planning to set up BESS of suitable configuration at Raghunesda solar park phase-II in residual land after harvesting 700MW capacity.



In view of above, and GPCL's prior experience in successfully executing Raghunesda Solar Park Phase-I, GPCL proposes to implement the park development under MNRE's Solar Park scheme (Mode-8). Hence, it is requested to provide Viability Gap Funding (VGF) under the Solar Park Scheme (Mode-8) be made available to GPCL as the proposed SPPD.

If project is approved by Government of India (GOI) under Mode-8, It would greatly help to reduce cost of park which in turn become largely beneficial for Public of Gujarat.

The detail of Project is enclosed in Annexure- A attached herewith.

Yours faithfully,

(Bhakti Shamal)

Joint Secretary to GoG
Energy and Petrochemical Department



(Project details- Annexure A)		
Name of Solar park		700+ MW Raghanesda Solar Park Phase-II with/without BESS
Location of proposed park		Adjacent to 700 MW Existing Raghanesda Solar Park Phase-I, Village-Raghanesda, Ta- Vav, Dist-Banaskantha, State-Gujarat
Total Capacity	SPV	700 MW to be developed by SECI
	BESS	BESS capacity will be decided afterwards.
Technology		Solar Photo Voltaic base grid connected Solar Power Project & Battery Energy Storage System
Area		1206 hectare unsurvey Government waste land
Water requirement		Approx. 1.0 MLD
Power Evacuation		33 KV/220 KV/400 KV (STU)
Solar Power Park Developer		Gujarat Power Corporation Limited (GPCL)
Solar Project Developer		Solar Energy Corporation of India (SECI)
Power Procure Agency		Gujarat Urja Vikas Nigam Limited (GUVNL)
Tariff rate defined with GUVNL		Rs. 2.57/KWH
Present Status		
Detail Project Report (DPR)		Will be prepared on based of MNRE's approval
Estimated Solar Park cost		Rs. 242.43 Crore Approx. (will be decided after final Detail Project report)
Land		GPCL has identified 1206 hectare land adjacent to existing Raghanesda Solar Park phase-I
Land application status		Application for 1206 hectare of unsurvey land was made to the Banaskantha Collectorate by GPCL. "In principle" allocation of land is already made by GoG in HPC held on 12.3.2024. Now the land allotment is under process by Revenue department. Allocation awaiting cabinet approval (GoG).
Approach road		Road Connecting Raghanesda solar park Phase-1 can be extend along with earthen bund of Solar Park Phase-I
Water availability		"In principle" approval is already received from SSNNL to draw 1.0 MLD water for Raghanesda Phase-I. Same will be utilized in phase-II
Water Availability & water supply system		Water connectivity infrastructure for the existing Raghanesda Phase-1 can be extend up to solar park Phase-II



Internal Power Evacuation	A pooling station of 220 KV/33 KV is to be established by GPCL.
External power Evacuation	Will be Established by STU, i.e. GETCO. Solar power will be evacuated through LILO network being constructed by GETCO connecting Tharad and Ghodasar substations of STU network.
Financial Assistance	GPCL may avail CFA up to 30% Project cost or Rs. 20 lakh /MW under mode-8 for the development of Solar park, subject to approval from MNRE

Location Map

