

**REQUEST FOR PROPOSALS
FOR THE ESTABLISHMENT OF
SOLAR PV POWER PLANT
ON BUILD, OWN AND OPERATE BASIS**

International Competitive Bidding (ICB)

**Polonnaruwa Solar PV Power Project
(10 MWp)**

Tender No: CEB/EPT/SP/RFP1

Addendum No. 2

Date: 10th January 2018

Ceylon Electricity Board

No. 50, Sir Chittampalam A. Gardiner Mawatha, COLOMBO 00200,



Addendum No. 2

Note: Please note that the Addendum No. 1 issued for this RFP is cancelled.

Addendum No. 2.1

(A) Volume I – Instruction to Project Proponents

Clause 1.3.1 Land

“Project Company shall procure or lease the required extent of land to install the solar PV Power Plant. It is required to submit one of the following set of documents to confirm the ownership of the selected land by the Project Company prior to signing the PPA.

- *A certified copy of the Deed of the land with the survey plan if the project proponent is the current owner of the land*
- *A certified copy of the Lease Agreement of the land with the survey plan if the selected land is leased by the Project Company”*

shall be **replaced** by

“The Project Company shall procure or lease the required extent of land to install the Solar PV power plant within the particular resource block identified by CEB & SLSEA (Annex B).”

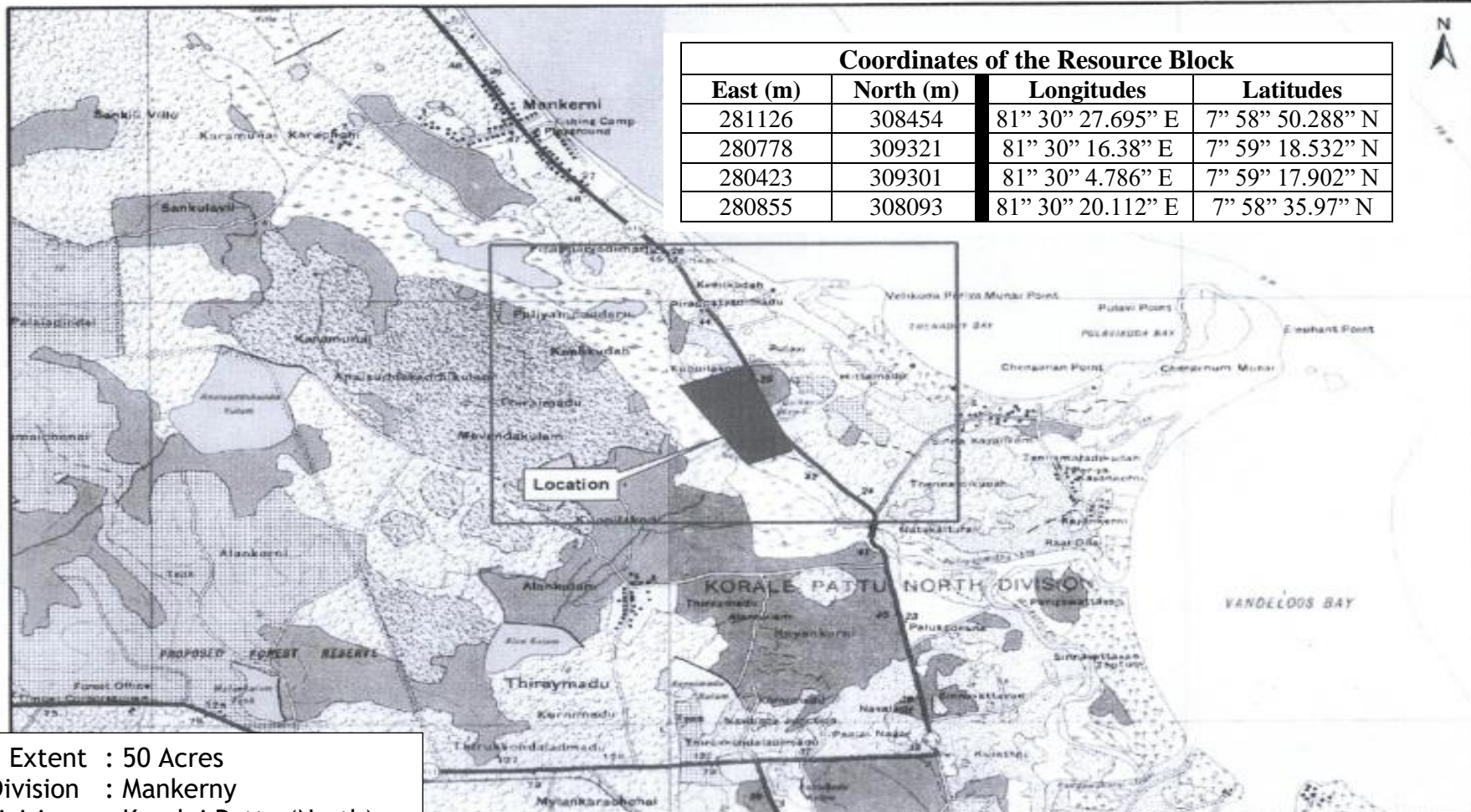
(B) Volume 1 – Instructions to Project Proponents

Annex B : Not Used

shall be **replaced** by

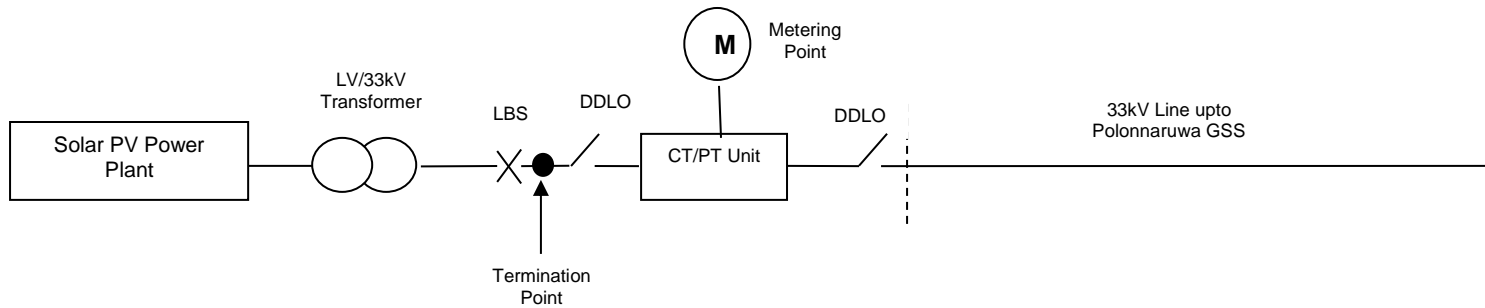
Annex B : Resource Block marked in the map (given below)

Annex B : Resource Block marked in the map



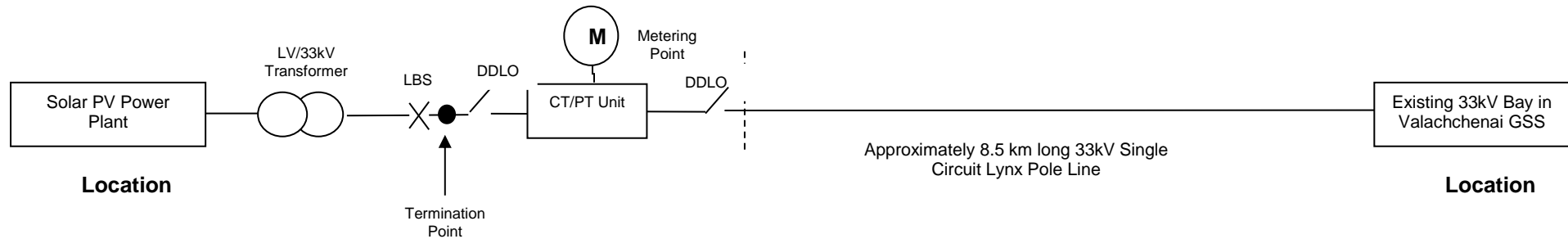
Land Extent : 50 Acres
 GN Division : Mankerny
 DS Division : Koralai Pattu (North)

(C) Volume 1 – Instructions to Project Proponents
Annex C: Details of the Interconnection



The above interconnection arrangement shall be **replaced** by the arrangement given below,

“



The above new arrangement is described below (**Description of Proposed Interconnection Arrangement**).

Description of Proposed Interconnection Arrangement:

1. Construct approximately 8.5km long, 33kV, Single circuit, Lynx pole line (with 13m reinforced concrete poles) from the proposed Solar PV Power Plant at ‘Location B’ to the existing 33kV Feeder Bay at Valachchenai GSS (Location A).
2. 33kV Metering equipment should be installed at the power plant.
3. A remotely operated SF6 Load break switch (LBS) should be installed at the power plant before the energy meter (at ‘B’).

The successful Project Proponent shall design and construct the power transmission line/s including all associated equipment up to the Valachchenai Grid Substation at his own cost and expense. In addition cost for allocating the existing feeder bay at Valachchenai Grid Substation also has to be borne by the developer.

Addendum No. 2.2

Volume I – Instruction to Project Proponents

Clause 2.2 Visit to Grid Substation

“Project Proponents are expected to visit the Polonnaruwa Grid Substation with prior arrangement with the CEB”.

shall be **replaced** by

“Project Proponents are expected to visit the Valachchenai Grid Substation with prior arrangement with the CEB”.

Addendum No. 2.3

Volume I – Instruction to Project Proponents

Clause 3.2 Power Transmission

“The successful Project Proponent shall design and construct, , the power transmission line/s at 33kV voltage level, including all associated equipment up to the Polonnaruwa Grid Substation at the cost and expense of the Project Company. This power transmission line shall be connected to the existing 33kV bay at Polonnaruwa GSS. The power transmission lines shall be designed and constructed under CEB supervision in accordance with construction standards for medium voltage power distribution line/s of CEB. Project Proponent shall supply the following data relating to the plant and equipment to be installed for the purposes of transmission of electrical energy up to the Interconnection Point, along with its proposal.

- a. Single line diagram up to the Termination Point showing all circuit breakers, isolators, current & potential transformers for metering and protection of the Facility, earthing switches, lightning arrestors, power transformers and inverters.*
- b. Type & ratings of major equipment, MV & LV switch gear, etc. (For this purpose, the maximum fault level may be considered as 6.5 kA at 33kV level at Polonnaruwa Grid substation).*
- c. Protection scheme proposed to be provided for the busbars, transformers, inverters and other applicable switchgears etc, including fire protection to comply with the provisions of “CEB Guide for Grid Interconnection of Embedded Generators”. Protection schemes may have interfacing with CEB equipment and these protective schemes shall be subjected to the concurrence of CEB.*
- d. Metering devices at the Facility including power and energy meters and recorders. Please note that these meters/recorders shall meter, record, and transmit the data on the power/energy flow to the CEB system at the Interconnection Point.*
- e. Any other detail, the Project Proponent deems necessary”.*

shall be **replaced** by

“As per the study done by the CEB considering the project location and the CEB network configurations at that area, this Solar PV Power Plant is more feasible to connect to the Valachchenai GSS.

The successful Project Proponent shall design and construct, the power transmission line/sat 33kV voltage level, including all associated equipment up to the Valachchenai Grid Substation at the cost and expense of the Project Company including the cost for allocating the feeder bay. This power transmission line shall be connected to the existing 33kV bay at Valachchenai GSS. The power transmission lines shall be designed and constructed under CEB supervision in accordance with construction standards for medium voltage power distribution line/s of CEB. Project Proponent shall supply the following data

relating to the plant and equipment to be installed for the purposes of transmission of electrical energy up to the Interconnection Point, along with its proposal.

- a. Single line diagram up to the Termination Point showing all circuit breakers, isolators, current & potential transformers for metering and protection of the Facility, earthing switches, lightning arrestors, power transformers and inverters.
- b. Type & ratings of major equipment, MV & LV switch gear, etc. (For this purpose, the maximum fault level may be considered as 5.6 kA at 33kV level at Valachchenai Grid substation).
- c. Protection scheme proposed to be provided for the bus bars, transformers, inverters and other applicable switchgears etc, including fire protection to comply with the provisions of “CEB Guide for Grid Interconnection of Embedded Generators”. Protection schemes may have interfacing with CEB equipment and these protective schemes shall be subjected to the concurrence of CEB.
- d. Metering devices at the Facility including power and energy meters and recorders. Please note that these meters/recorders shall meter, record, and transmit the data on the power/energy flow to the CEB system at the Interconnection Point.
- e. Any other detail, the Project Proponent deems necessary”.

Addendum No. 2.4

(A) Volume I – Instruction to Project Proponents
Section 4 Environmental Considerations

Following clause shall be **introduced** as **Clause 4.3**.

“4.3 Right to Claim for Carbon Credit

Right to claiming for Carbon Credit of this Solar Power Project belongs to the Ceylon Electricity Board and Project Developer (Project Company) has no right to claim for it.”

Addendum No. 2.5

(A) Volume III – Model Power Purchase Agreement
Article 2.2 d)

“The Seller shall have eight-year period after the Commercial Operation Date to determine the firm annual Energy Output for the remaining Years of the Term. Ninety [90] percent of the average of actually achieved annual Energy Output of the Facility in the first eight [8] Years after the Commercial Operation Date shall be taken as the firm annual Energy Output for the rest of the Term of this Agreement (“Firm Annual Energy Output”).”

Article 2.2 d) shall be removed.

Addendum No. 2.6

(A) Volume III – ModelPower Purchase Agreement

Article 3.2 (a) (iii)

“The Seller, during the period from Contract Year nine to Contract Year fifteen fails to deliver to the CEB an aggregate Energy Output equal to seven times the average Energy Output delivered during the period from Contract Year one to Contract Year eight;”

Article 3.2 (a) (iii) shall be removed.

Addendum No. 2.7

(A) Volume III – ModelPower Purchase Agreement

Article 6e)

“Notwithstanding the foregoing, if a Party is prevented from substantially performing its obligations under this Agreement for a period of three (3) years due to the occurrence of a Force Majeure event, the other Party may terminate the Agreement by ninety (90) days written notice given any time thereafter to the non performing Party, unless substantial performance is resumed prior to the expiration of the ninety (90) day period. CEB may not terminate the Agreement under this part due to a Force Majeure event described in Article 6(a) items (vii) or (viii).”

shall be **replaced** by

“Notwithstanding the foregoing, if a Party is prevented from substantially performing its obligations under this Agreement for a period of three (3) years due to the occurrence of a Force Majeure event, the other Party may terminate the Agreement by ninety (90) days written notice given any time thereafter to the non performing Party, unless substantial performance is resumed prior to the expiration of the ninety (90) day period.”