

**SOLARIZATION OF PAKISTAN RAILWAYS BUILDINGS ON
LEASE PURCHASE AGREEMENT (BOOT MODEL)-PHASE 1**

Bid Reference No.	Elect /03/Solar /BOOT/2024
Title:	BIDDING DOCUMENTS FOR SOLARIZATION OF PAKISTAN RAILWAYS BUILDINGS ON LEASE PURCHASE AGREEMENT (BOOT MODEL) - PHASE 1

ADDENDUM NO. 2

Subject: Amendment of Bidding Documents for “Solarization of Pakistan Railways Buildings on Lease Purchase Agreement (Boot Model) - Phase 1 in accordance with IB 9.1, (Instructions to Bidders) of Bidding Documents.

With reference to Bidding Documents advertisement Notice dated April 19, 2024 following amendments have been made in the respective section of the Bidding Documents in accordance with IB 9.1. These amendments shall be read and construed as an integral part of the Bidding Documents and shall take precedence in case of any conflict/ambiguities in the Bidding Documents and other provisions. The changes mentioned herein below are applicable for Bid Reference No. Elect/03/Solar /BOOT/2024 unless indicated otherwise.

1. Mandatory Requirement

The text “in category C-1” appearing in third line under heading ‘Mandatory Requirement’ at Page No. 25 of Bidding Documents is substituted with the following text:

“in category C-2 or above”

2. Qualification Criteria

2.1 Experience in Contracts of Similar Nature

The text “each having capacity of 50kW or more,” appearing in third line under heading ‘Experience in Contracts of Similar Nature’ at Page No. 25 of Bidding Documents is deleted.

3. MINIMUM TECHNICAL SPECIFICATIONS

The text appearing under heading ‘75 kWh Battery Storage System at all CBI Stations’ at Page No. 46 of Bidding Documents is substituted with the following:

150 kWh Battery Storage Capacity for Mahesar, Begmanji, Tando Masti Khan, Setharja, Lakha Road, Bhiria Road, Kot Laloo, Bucheri, Sarhari & Lundo CBI Station of Sukkur Division while all other CBI stations of Pakistan Railways are with 75kWh of Battery Storage with Hybrid Inverter.

4. TECHNICAL DESIGN SPECIFICATIONS (Appendix-E to Bid)

The list of Stations listed under heading 'Lot 5: Sukkur Division' at Page No. 43 of Bidding Documents is substituted with the following table:

Sr. No.	Stations / Locations / Sites in Lot 5
1	Sukkur station and DS office & Hospital
2	Daur CBI Hybrid
3	Gambat CBI Hybrid
4	Bandhi CBI Hybrid
5	Kotlalu CBI
6	Loco Shed Rohri & Rohri station
7	Mirpur Mathelo CBI
8	Ghotki CBI
9	Mahesar CBI
10	Pano Akil CBI
11	Begmanji CBI
12	Tando Masti Khan CBI
13	Ranipur Riasat CBI
14	Setharja CBI
15	Mehrabpur CBI
16	Lakha Road CBI
17	Bhiria Road CBI
18	Padidan CBI
19	Bucheri CBI
20	Sarhari CBI
21	Lundo CBI
22	Shahdadpur CBI
23	Khairpur Railway Station CBI
24	Nawab Shah CBI

5. SYSTEM RATING AND ENERGY YIELDS (Appendix-E to Bid)

The list of Stations listed under heading 'Lot 5: Sukkur Division' at Page No. 52 of Bidding Documents is substituted with the following table:

Sr. No.	Sites in Lot 5	Reference Rating (RR) (kW)	Reference Annual Energy Yield (RAEY) (kWh/annum)	Committed Rating (CR) (kW)	Guaranteed Annual Energy Yield (GAEY) (kWh/annum)
1	Sukkur station and DS office & Hospital	1,000	1,485,000		
2	Daur CBI Hybrid	53	77,100		
3	Gambat CBI Hybrid	60	87,000		
4	Bandhi CBI Hybrid	54	76,600		
5	Kotlalu CBI	52	76,900		
6	Loco Shed Rohri & Rohri station	1,000	1,470,000		
7	Mirpur Mathelo CBI	73	103,000		
8	Ghotki CBI	54	77,300		
9	Mahesar CBI	53	77,100		
10	Pano Akil CBI	61	88,400		
11	Begmanji CBI	53	79,100		
12	Tando Masti Khan CBI	62	89,000		
13	Ranipur Riasat CBI	65	94,900		
14	Setharja CBI	56	81,600		
15	Mehrabpur CBI	60	90,400		
16	Lakha Road CBI	60	86,500		

Sr. No.	Sites in Lot 5	Reference Rating (RR) (kW)	Reference Annual Energy Yield (RAEY) (kWh/annum)	Committed Rating (CR) (kW)	Guaranteed Annual Energy Yield (GAEY) (kWh/annum)
17	Bhiria Road CBI	68	100,900		
18	Padidan CBI	55	84,000		
19	Bucheri CBI	55	68,700		
20	Sarhari CBI	52	74,900		
21	Lundo CBI	60	89,400		
22	Shahdadpur CBI	32	48,000		
23	Khairpur Railway Station CBI	26	38,800		
24	Nawab Shah CBI	68	98,200		
	Total	$\sum RR=$ 3,232	$\sum RAEY=$ 4,742,800	$\sum CR=$	$\sum GAEY=$

6. SCHEDULE OF PRICES (Appendix- H to Bid)

The list of Stations listed under heading 'Lot-5 (Sukkur Division)' of Schedule of Prices at Page No. 61 of Bidding Documents is substituted with the following table:

Schedule of Prices for Lot-5 (Sukkur Division)			
Sr. No.	Site Description	Guaranteed Annual Energy Yield (GAEY) (kWh / Annum)	Annual Lease Rental (ALR) (PKR)
1	Sukkur station and DS office & Hospital		
2	Daur CBI Hybrid		
3	Gambat CBI Hybrid		
4	Bandhi CBI Hybrid		
5	Kotlalu CBI		

Schedule of Prices for Lot-5 (Sukkur Division)			
Sr. No.	Site Description	Guaranteed Annual Energy Yield (GAEY) (kWh / Annum)	Annual Lease Rental (ALR) (PKR)
6	Loco Shed Rohri & Rohri station		
7	Mirpur Mathelo CBI		
8	Ghotki CBI		
9	Mahesar CBI		
10	Pano Akil CBI		
11	Begmanji CBI		
12	Tando Masti Khan CBI		
13	Ranipur Riasat CBI		
14	Setharja CBI		
15	Mehrabpur CBI		
16	Lakha Road CBI		
17	Bhiria Road CBI		
18	Padidan CBI		
19	Bucheri CBI		
20	Sarhari CBI		
21	Lundo CBI		
22	Shahdadpur CBI		
23	Khairpur Railway Station CBI		
24	Nawab Shah CBI		
	Total	$\sum GAEY =$	$\sum ALR =$

This Addendum No. 2 shall now serve as mandatory part of the bidding document for the relevant sections and shall be referred to while preparing the bid.