



**BOS WORKS FOR SETTING UP OF 50 MW SOLAR  
POWER PROJECT IN THE MINED-OUT LAND IN  
MINE-II/NLCIL WITH THREE YEARS OF O&M**

VOLUME – IA



**NLC INDIA LTD**

**‘Navratna’ - Government of India Enterprise**

**Block-1, NEYVELI - 607 801, Cuddalore District, Tamil Nadu, INDIA.**

**OFFICE OF THE CHIEF GENERAL MANAGER/CONTRACTS  
CORPORATE OFFICE**

**DOMESTIC COMPETITIVE BIDDING**

**THROUGH e-TENDER & e- REVERSE AUCTION**

**TENDER DOCUMENT**

**FOR**

**BOS WORKS FOR SETTING UP OF 50 MW SOLAR POWER PROJECT IN THE  
MINED-OUT LAND IN MINE-II, NEYVELI UNDER ENGINEERING,  
PROCUREMENT (EXCLUDING PV MODULES) & CONSTRUCTION (EPC)  
MODE WITH O&M FOR 3 YEARS**

**VOLUME – IA**

**INVITATION FOR BID**

**Tender No. CO CONTS/0016P/50 MW Solar/ BOS /e-contrs/2023, Dt.02.06.2023**

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**TENDER SPECIFICATION - ALL VOLUMES**

**OVERALL CONTENTS**

Sl. No	Volumes	Description
1.	I A	Invitation for Bid
2.	I B	Commercial – Draft Contract
3.	II	Technical Specification



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**COMMERCIAL**

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**LIST OF ACRONYMS**

APG	:	Advance Payment Bank Guarantee
BG	:	Bank Guarantee
BoS		Balance of System
C&I	:	Control & Instrumentation
Cl.	:	Clause
CIF	:	Cost, Insurance & Freight (Incoterms 2010)
CPG	:	Contract Performance Bank Guarantee
CTU	:	Central Transmission Utility
DD	:	Demand Draft
DJU	:	Deed of Joint Undertaking
EOI	:	Expression of Interest
EPC	:	Engineering, Procurement & Construction
FOB	:	Free on Board (Incoterms 2010)
FTP	:	Foreign Trade Policy
GST	:	Goods and Services Tax
IFB	:	Invitation for Bid
IST	:	Indian Standard Time
ISTS	:	Inter State Transmission System
INR	:	Indian Rupees
JV	:	Joint Venture
kW	:	Kilo Watt (Power)
LOA	:	Letter of Award
LTA	:	Long Term Access
MW	:	Mega Watts (Power)
NLCIL/NLC	:	NLC India Limited
SPP	:	Solar PV Power Project
PERT	:	Project Evaluation and Review Technique
PSU	:	Public Sector Undertaking
PTO	:	Provisional Take Over
PAT		Performance Assessment Test
PG	:	Performance Guarantee
RBI	:	Reserve Bank of India

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### SCHEDULE OF TENDER (SOT)

<b>Sl. No.</b>	<b>Description</b>	<b>Details</b>
i.	Tender No.	CO CONTS/0016P/50 MW Solar/ BOS /e-contrs/2023, Dt.02.06.2023
ii.	Name of the work	BOS works for setting up of 50 MW Solar Power Project in the Mined-Out land in Mine-II/NLCIL with three years of O&M
iii.	Mode of Tender	e-Tendering (Two cover system)
iv.	Cost of Tender Document	Rs 10,000/- (Rupees Ten Thousand only) Non-refundable
v.	Bid Guarantee	Rs. 41,67,000/- (Rupees Forty One Lakh Sixty Seven Thousand only).
vi.	Date of Pre-Bid Meeting	13.06.2023 at 11.00 Hrs. (IST) through Video Conference (VC)
vii.	Last Date & Time of submission of on line Bids (Part-I, Part-II ) and Physical cover	04.07.2023 at 14.30 hrs. (IST)
viii.	Date & Time of opening of Part-I and Physical Cover	04.07.2023 at 15.00 hrs. (IST)
ix.	Date & time of opening of Price Bids (Part-II)	To be informed later
x.	Date of e-Reverse Auction	To be informed later

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**SECTION – 1**  
**NOTICE INVITING BID**  
**DOMESTIC COMPETITIVE BIDDING**

Tender No. CO CONTS/0016P/50 MW Solar/ BOS /e-contrs/2023, Dt.02.06.2023

**1.0 Invitation for Bid**

Online Bids in English are invited by NLC India Limited, Neyveli for “BOS works for setting up of 50 MW Solar Power Project in the Mined-Out land in Mine-II/NLCIL with Operation & Maintenance for 3 years” in Two Part system (Part-I and Part-II) followed by Reverse Bidding as details given below.

i).	Cost of tender document	:	Rs 10,000/- (Rupees Ten Thousand only) Non-refundable
ii).	Bid Guarantee	:	Rs. 41,67,000/- (Rupees Forty One Lakh Sixty Seven Thousand only).
iii).	Date of Pre-Bid Meeting	:	13.06.2023 at 11.00 Hrs. (IST) through Video Conference (VC)
iv).	Last Date & Time of submission of online Bids (Part-I, Part-II) and Physical cover	:	04.07.2023 at 14.30 hrs. (IST)
v).	Date & Time of opening of Part-I and Physical Cover	:	04.07.2023 at 15.00 hrs. (IST)
<p><b>Note:</b></p> <ol style="list-style-type: none"> <li>The points for discussion shall be furnished in advance to pre-bid meeting to the e-mail ID: corporate.conts@nlcindia.in</li> <li>Bidders who are interested to participate in the Pre-bid Meeting may send their request to corporate.conts@nlcindia.in furnishing Company name and address, Name of the authorized person to attend pre-bid meeting, contact number and e-Mail ID to enable us to send the link for participating in the Pre-bid meeting.</li> <li>For further details, please visit our website: <a href="http://www.nlcindia.in">www.nlcindia.in</a>/<a href="http://www.procure.nlcindia.in">www.procure.nlcindia.in</a> or Central Public Procurement Portal (CPPP) of Government of India website: <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> or contact:</li> </ol> <p>The Chief General Manager/Contracts,  Corporate Office, NLC India Ltd.,  Block-1, Neyveli– 607 801., Tamil Nadu. Phone: 04142 – 212308/ 218588.  E-Mail ID: corporate.conts@nlcindia.in, gmcontrs@gmail.com</p>			

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### 1.1. **Brief Scope of Work**

The entire scope of work (excluding supply of Solar PV Modules) shall be carried out by the contractor on Lump-sum turnkey basis.

The scope of work includes the Design, Engineering, Site development, Manufacture, Inspection at supplier's works, Supply, Insurance, Transport, Storage, Erection, Installation, Testing & Commissioning of the total capacity of 50MW SPP and the Evacuation System up to the Delivery Point **except Supply of Solar PV Modules**.

The scope also includes necessary arrangements to enable SPD to Declare Commercial Operation (COD) after entire commissioning of SPP and conducting PG Test for 90 days. The scope also includes Operation & Maintenance (O&M) of entire SPP up to Delivery Point, at free of cost for the warranty period of 12 Months from COD (Commercial Operation Declaration) and Paid O&M for 3 years from the date of completion of the warranty period.

This Scope of Work is indicative only. Detailed Scope of Work is contained in Volume-II (Technical Specification).

### 2.0 **Pre-Qualifying Requirements (PQR) for the Bidders**

#### **TECHNICAL CRITERIA:**

Bidder shall meet the requirements either in clause 2.1 or 2.2 or 2.3 or 2.4 below:

#### **2.1. Route-I:**

The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Balance of System Package for Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 10 MWp or higher, out of which at least one plant should have been of 5 MWp or higher capacity. The reference plant of 5 MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening (i.e., Part-I Bid Opening).

#### **2.2. Route-II:**

The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 10 MWp or higher, out of which at least one plant should have been of 5 MWp or higher capacity. The reference plant of 5 MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening (i.e., Part-I Bid Opening).