

NOTICE INVITING TENDER/BID

No: DYCESE/SOLAR/ROOFTOP/WB/2023-1

Deputy Chief Electrical Service Engineer, South Eastern Railway, Garden Reach, for & on behalf of the president of India invites eligible Bidders to participate in the e-bidding process for empanelment of Solar Power Developers of State of West Bengal for the work

“Implementation of Grid Connected Rooftop Solar PV Projects for the state of West Bengal at South Eastern Railway through Public Private Partnership (“PPP”) on design Built Finance Operate and Transfer (DBFOT) basis and the supply of electricity to Railways for long term fixed rate PPA (i.e. for the period of 25 years after commissioning of project).”

The projects are located at various locations of West Bengal State regions located under Kharagpur, Adra and Ranchi Divisions of South Eastern Railway (“Annexure A” and “Annexure B”)

One agency for each Solar PV (SPV) capacity and range will be empanelled based on the eligibility against RFQ and tariff based competitive bidding against RFP for implementation of Grid Connected Rooftop Solar PV Systems at South Eastern railway in the State of West Bengal under two SPV capacities and ranges i.e.

- (i) >10 and upto 100 kWp having aggregate capacity of 3.34 MWp
(Tentative List of locations are enclosed in “Annexure A”)
- (ii) >100 and upto 500 kWp having aggregate capacity of 6.39MWp
(Tentative List of locations are enclosed in “Annexure B”)

1) GENERAL

The bidding process will be a single stage two packet centralized process carried out by Railway without any Subsidy/Viability Gap Funding (VGF) support from MNRE or Railways. The bid document comprises of RFQ, RFP and PPA. The bidders will submit state-wise bid comprising of the technical and commercial qualification with supporting documents corresponding to the requirements of Request For Qualification(RFQ) and a price bid corresponding to the requirements of Request For Proposal(RFP) on e-biding portal on or before the Bid due date.

One bidder is allowed to quote for one or both SPV capacities and ranges for the state of West Bengal. Evaluation of successful bidder for each SPV capacity and range for the state of West Bengal will be done independently.

2) VALIDITY OF BID:

The bid included shall remain valid for a period of 180 days from the Bid due date, with bidder having no right to withdraw, revoke or cancel his offer or unilaterally vary the offer submitted or any terms thereof. In case of the bidder revoking or cancelling his offer or varying any term & conditions in regard thereof or not accepting LoI/LoA, Railway shall forfeit the Bid Security furnished by him. Confirmation regarding the Bid offer validity shall be clearly mentioned in the covering letter.

3) Evaluation of Bids

Railway will evaluate the bids based on the technical and financial eligibility illustrated under clause 2.2.2- A and 2.2.2- B, of the RFQ document. Only those bidders who meet the technical and financial eligibility under RFQ will have their price bids opened by the Railway. The financial bids (RFP) of those bidders who do not qualify at RFQ stage would not be consider for further participation.

All offers will be evaluated on Tariff Rate in Rs. per kWh basis for each of the Solar Photo Voltaic (SPV) System Capacities & Ranges of a State inclusive of all applicable taxes & duties for determining L1 rate in each of the SPV capacity & range of a State.

- (i) Ranking of bidders for a SPV capacity and range of a State will be done based on the tariff quoted by the bidders. Bidder quoted lowest tariff will be ranked as L1 and further bidders with higher tariffs will be ranked L2, L3..... etc.
- (ii) Bidder quoted lowest tariff rate in Rs/kWh for a SPV capacity and range of a State will be ranked L1 and will be shortlisted for empanelment for development of Rooftop projects.

4) Selection of Successful Bidders.

- (i) As described in Para 1.2.4 of RFP Document, the Bidder who quoted lowest tariff in Rs/kWh for a SPV capacity and range of a State (West Bengal) will be ranked as L-1 and declared as successful bidder for that SPV capacity and range of that State (West Bengal). This L-1 Bidder is to be empanelled for implementing rooftop solar projects of that SPV capacity and range in developer mode in South Eastern Railways in West Bengal State.

- (ii) After the end of selection process, a letter of Intent (LOI)/Letter of Award (LOA) will be issued to the Successful Bidder after conducting the due official proceedings. In case Consortium being selected as Successful Bidder, the LOI/LOA shall be issued to the Lead Member of the Consortium. In all cases, Railway's decision regarding selection of Bidder or annulment of tender process shall be final and binding on all participating Bidders. Also, Railway shall reserve the right to not empanel any bidder at its discretion if tariff is abruptly high.

5) Award of work to empanelled agency

- (i) After the issue of LOA, the Zonal Railways may approach the Bidder or vice-versa for implementing Rooftop Solar Plants in Developer Mode.
- (ii) Bidder has to carry out a survey of the site and assess the feasible capacity of Rooftop solar plant to be implemented. Bidder to submit the feasible capacity to Railways for their consent/approval.
- (iii) The generated solar power will be utilized solely by Zonal Railway(s) through net metering system (as per prevailing norms and regulations for Net Metering of respective states under Zonal Railways) for their respective locations under Zones. Bidder shall study the provisions of net metering as per prevalent DISCOM policy, Zonal Railways at their own discretion may vary the assessed capacity or can grant exemption in the requirement of net-metering as per demand requirements of location.
- (iv) Capacity of the solar plant after survey and provisions of net-metering as per prevailing norms and regulations of State or as mutually decided between Zonal Railways and SPD, will be part of PPA to be signed between the SPD & Zonal Railway.

6) Power Purchase Agreement

The selected Bidder, a Corporate entity who is either a company incorporated under the Companies Act, 1956/2013 or undertakes to incorporate as such prior to execution of the power purchase agreement (the "SPD") shall be responsible for designing, engineering, financing, procurement, construction, operation and maintenance of the Project. Power Purchase Agreement (PPA) for implementation of Solar Rooftop Projects at the tariff discovered for specific range of capacity to be entered into by South Eastern Railway with the empanelled agency of the State (West Bengal) where sites are located during the empanelment period. Projects can be commissioned after expiry of empanelment period. Agency shall survey and workout the feasible capacity along with Railways before signing of PPA.

7) Eligibility criteria :

Technical Capacity

Bidder who have experience of successful installation of minimum aggregate 200 KW capacity of Grid connected solar rooftop systems in Developer or EPC mode before the scheduled date of submission of Technical Bid. Such experience should be of the BIDDER himself.

OR

Bidder who have experience of successful installation and Commissioning of minimum aggregate 1000 KW capacity of any Grid connected systems in Developer or EPC mode in any sector viz. residential, social, industrial, commercial, government or any other before the scheduled date of submission of Technical Bid. Such experience should be of the BIDDER himself.

[Note: Details of experience to establish the above experience, self-certified documents like copies of the Orders, Certificates of installation and commissioning, from the client/user Agency, Project/application registration number with SECI/State Nodal Agency with commissioning report/meter installation report as a proof of commissioning, shall be mentioned in the Appendix-I Annexure-II and submitted along the Technical Offer."]

Financial Capacity

- (i) *Average Turnover of the interested bidder during last 3 financial years shall be Rs.150 lakh / year.*
Bidder must have positive net worth in all last three financial years.
- (ii) *Parent Company: Eligibility criteria of parent company of the bidder shall also be considered for bidder's eligibility criteria if the parent company is holding minimum 26% share in the bidding company. Documentary evidence shall be submitted along with the bid.*
- (iii) *Audited and Certified copies of the Annual Accounts should be enclosed. For the preceding years, a summarized sheet of turnover certified by Statutory Auditors (Sole proprietor ship/firm) shall be enclosed as per Appendix-I Annexure-III.*
- (iv) *For proprietary/partnership companies, copies of Income Tax returns with full details of turn over should be enclosed. A summarized sheet of turnover certified by Statutory Auditors (Sole proprietor ship/firm) shall also be enclosed.*

The Bidder should have valid GSTIN registration certificate in the State. A copy of which should be enclosed.

8) Tender/BID Document Cost:

Rs. 34,810/- (Inclusive of GST) to be submitted in the form of Demand Draft in favour of Principal Finance Advisor, South eastern railway, Garden reach, Kolkata through offline submittals documents vide clause 2.13 A of RFQ. The reference of Demand Draft should also be provided in Annexure VIII & IX of RFQ during online submittals of these annexures vide clause 2.13 B of RFQ. The Bid Document Cost is non refundable.

[Note: Dispensation for MSMEs: - Micro & Small Enterprises (MSEs) bidders who are having Valid Udyog Adahar certificate will be exempted for payment of Bid Document fee Rs 34,810/-(Thirty four thousand eight hundred ten) (non refundable) (Inclusive of GST) . Documentary evidence in respect of above shall require to be submitted in Offline and Online mode before bid due date. It is clarified here that no other benefit as mentioned above shall be extended to SMEs.]

9) Bid Security/EMD:

In terms of the RFP, a Bidder will be required to deposit, along with its Bid, a Bid Security of amount of Rs. 10.68 Lakh/MW (the "Bid Security"), refundable not later than 60 (sixty) days from the Financial Bid Opening Date (RFP), except in the case of the selected Bidder(s) whose Bid Security shall be retained till it has provided a Performance Security under the Power Purchase Agreement. The Bidders will have an option to provide Bid Security in the form of a demand draft or a bank guarantee from a Scheduled Bank in India acceptable to Zonal Railways. In case a bank guarantee is provided, its validity period shall not be less than 240 (Two Hundred and Forty) days from the Bid Due Date, inclusive of a claim period of 60 (sixty) days, and may be extended as may be mutually agreed between Zonal Railway and the Bidder from time to time. Where a demand draft is provided, its validity shall not be less than 80 (eighty) days from the Bid Due Date for the purposes of encashment thereof by Zonal Railways. The Bid shall be summarily rejected if it is not accompanied by the Bid Security. In case capacity is enhanced by Railways (if applicable), the successful bidder shall submit the equivalent amount of Performance Security to Railways under PPP as per timelines within Schedule N of PPA failing which contracted capacity stands cancelled. Bank guarantee should be to The President of India, Acting through Principal Finance Advisor, South Eastern Railway, 11, Garden reach, Kolkata-700043.

[In this case, amount of bid security shall be: Rs 35,67,120/- for the bidders participating for SPV capacity and Range 10kWp to 100 kWp and Rs 68,24,520/- for the bidders participating for SPV capacity and Range 100 kWp to 500 kWp]

[Format of Bank Guarantee for Bid Security is provided at Appendix-II of RFP.]

10) Performance Security (PBG):

Rs 16.02 Lakh/MWp. This PBG amount shall be furnished by the successful bidder to Zonal Railways within 30 days of Signing of PPA.

11) Bid Process Management Fess:

Within 30 days of signing of PPA, successful bidders to provide Bid Process Management Fee of Rs 75,000/- per MWp (Rupees Seventy five thousand) (Exclusive of GST) of the awarded/signed capacity in PPA to South Eastern Railway.

12) Queries

Any queries or request for additional information concerning this RFQ shall be submitted in writing by speed post/ courier/ special messenger and by e-mail so as to reach the officer designated in **Clause 2.13.3** of RFQ by the specified date. The envelopes/ communications shall clearly bear the following identification/ title:

"Queries/ Request for Additional Information: RFQ for Solar Roof Top Project"

13) METHOD OF BID SUBMISSION (Clause 2.13 of RFQ)

(A) Documents to be submitted Offline (in Original)

The bidder has to submit the documents in original as part of Response to RfQ/RfP to the address mentioned in Bid Information Sheet before the duedateandtime of bidsubmission.

Bidding Envelope: Super scribed as "**Bidding Envelope containing Covering Envelope**" at the top of the Envelope and "**Name & Address of the Bidder**" on the left hand side bottom must contain the following:

i) **Covering Envelope:** Super scribed as "Covering Envelope must contain the following:

- Demand draft towards Cost of Bid document in favour of Principal Finance Advisor, South Eastern Railway, Garden Reach, Kolkata.
- Bid security as mentioned in the Bid Information Sheet.
- Application Letter for Technical and Financial Qualification as per RFQ

- Letter Comprising the Bid as per Appendix- I of RFP
- Power of Attorney as per Appendix-II & III of RFQ (as applicable),
- Board Resolution for Power of Attorney
- Joint Bidding Agreement as per Appendix – IV of RFQ (as applicable)
- Statutory Auditors certificates as mentioned Cl 2.2.3 (i & ii) of RFQ
- ~~Integrity Pact as per Appendix VIII of RFQ duly signed by Bidder (not applicable)~~
- **Pass-phrase to decrypt Technical and Financial Bid at e-tender portal in two separate Envelope**

The bidding envelope shall contain the following sticker: (illustration)

Offline documents in Response to RfQ/RfP for “State-wise Empanelment of agencies for Implementation of Rooftop Solar PV Projects for Indian Railways”	
RfQ/RfP/NIT ReferenceNo.	<i>DYCESE/SOLAR/ROOFTOP/WB/2023-1</i>
Submittedby	(Enter Full name and address of the Bidder)
AuthorizedSignatory	(Signature of the Authorized Signatory) (Name of the Authorized Signatory) (Stamp of the Bidder)
Bid Submitted to	Deputy Chief Electrical Service Engineer, Office of the Principal Chief Electrical Engineer, South Eastern Railway, New Administrative Building, 4 th Floor, Garden Reach, Kolkata- 700043 [Email: dycseser@gmail.com]

ImportantNote:

- (i) The Bidders shall not deviate from the naming, numbering & Contents of formats mentioned above.
- (ii) In each of the Envelopes, all the documents enclosed shall be indexed and flagged appropriately, with the index list indicating the name of the document against each flag.

[Note: All the Envelopes shall be properly sealed with the signature of the Authorized Signatory running across the sealing of the envelopes.]

- (iii) Bids are to be submitted on e-bidding portal and respective hard copy envelope (as per offline documents) to be submitted either by post or by putting in tender box kept at 4th floor, PCEE/SER’s office, New Administrative Building, Garden Reach, Kolkata.

(B) Documents to be submitted Online

Detail instructions to be followed by the Bidders for online submission of response to RfQ/RfP are stated in Appendix V and VI of RFP. The Bidders shall strictly follow the instructions mentioned in the bid document in respective technical bid and financial bid while filling the form.

If the Bidder has submitted offline documents and fails to submit the online bid, then the same shall be treated as incomplete bid and Cost of Bid document submitted shall be enashed.

All documents of the response to RfQ/RfP submitted online must be digitally signed on e-bidding portal which should contain the following:

1. “Technical Bid (First Envelope/Electronic Form)”

The Bidder shall upload single technical bid for containing the scanned copy of all the documents duly signed and stamped on each page by the authorized signatory as mentioned below along with all attachments.

- (i) Bid in prescribed format (Appendix-I of RfQ) along with Annexures (Annexure I to IX) and supporting documents.
- (ii) Signed Copy of Complete Bid document (RFQ,RFP & PPA along with all Amendments/ Clarifications/ Corrigendum’s thereof)
- (iii) All supporting documents regarding meeting the Technical & Financial eligibility criteria.
- (iv) Application Letter for Technical and Financial Qualification as per RFQ
- (v) Letter Comprising the Bid as per Appendix- I of RFP
- (vi) Audited Annual Reports of the Bidder & its associate as per Cl.3.4.2 of RFQ 2.

2. “Financial Bid (Second Envelope/Electronic form)”

Only single tariff bid for State shall have to be filled online in the Bill of Quantities format (BOQ) provided at the e-bidding portal as per Annex. I of Appendix-I of RFP.

[The Bidders, including their successors, (the “Bidders”, which expression shall, unless repugnant to the context, include the Members of the Consortium) will submit their (“Bids”) comprising of the 34 technical and financial

qualification to demonstrate eligibility under RFQ and financial offer/price bids under RFP in accordance with the terms specified in the Bidding Documents. The Bid shall be valid for a period of not less than 180 (one hundred and eighty) days from the Bid Due Date]

14) Period of Completion: Project completion time will be 240 days from effective date.

[Note: Effective date of Project will be handing over of rooftop site to developer after signing of PPA.]

15) Estimated Project Cost

Rs 42,16,88,746/- (Rs 15,07,80,997/- for SPV capacity and range 10KWp to 100 KWp

Rs 27,09,07,749/- for SPV capacity and range 100 KWp to 500 KWp)

[This is Indicative capital cost of the Project. The assessment of actual costs, however, will have to be made by the Bidders.

16) The generated solar power will be utilized solely by South Eastern railway through net metering system (as per prevailing norms and regulations for Net Metering of West Bengal states) for their respective locations. South Eastern Railways can grant exemption in the requirement of Net metering as per demand requirements of location. Provisions of net-metering as per prevailing norms and regulations of State or as mutually decided between Zonal Railways and SPD will be part of PPA.

17) Nodal officer and Site Inspection: During the Bidding Process, Bidders are invited to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Bids for award of the contract including implementation of the Project. Nodal officer for Railways shall be authorized representative of PCEE. The Nodal Officer in the instant case is Deputy Chief Electrical Engineer, South Eastern railway.

18) Integrity pact: The format of integrity pact is presently not being uploaded. Integrity pact may be signed between the successful bidder and the railway at PPA signing stage. The decision of railway in this regard shall be final and binding.

Rate Schedule (As per Annex 1 of Appendix 1 of RFP):

Item No	Name of the State	System capacities and Ranges (kWp)	Total Aggregate Capacity (MWp)	Tariff fixed for 25 years (Inclusive of all taxes and duties) (Rs./kWh) (Upto 2 decimal place)
1	West Bengal	>10 and upto 100	3.34 MWp	
2	West Bengal	>100 and upto 500	6.39 MWp	

Schedule of Bidding Process

Sr No	Event	Tentative Date
1	Issue of combined RfQ, RfP, PPA Document	07/02/2023
2	Date of start of receiving queries	10/02/2023
3	Pre Bid Conference	20/02/2023
4	Tentative date of response by Railway to queries raised, if any	24/02/2023
5	Bid Due Date	20/03/2023 at 13:00 hrs
6	Opening of RfQ	20/03/2023 at 13:00 hrs
7	Opening of RfP	Shall be intimated in due course.
8	Validity of Bids	180 days

Bid Information Sheet

Name of Work:	“Implementation of Grid Connected Rooftop Solar PV Projects for the state of West Bengal at South Eastern Railway through Public Private Partnership (“PPP”) on design Built Finance Operate and Transfer (DBFOT) basis and the supply of electricity to Railways for long term fixed rate PPA (i.e for the period of 25 years after commissioning of project).”
NIT No.	DYCESE/SOLAR/ROOFTOP/WB/2023-1
Document Description	This Document outlines the bidding process for State-wise Empanelment of agencies for Implementation of Rooftop Solar PV Projects for Indian Railways
Broad Scope	This project aims to Generate and Supply Power from Rooftop Solar PV systems. The SPD will responsible Engineering, for Design, Procurement, Erection (including civil

	and structural works), Installation, Testing and Commissioning of the solar PV system(s) including Operation and Maintenance (O&M) of the system(s) for period of 25 years after commissioning of projects). The SPD will supply power based on a PPA.
Estimated Project Cost	Rs 42,16,88,746/- (Rs 15,07,80,997/- for SPV capacity and range 10KWp to 100 KWp Rs 27,09,07,749/- for SPV capacity and range 100 KWp to 500 KWp) <u>[This is Indicative capital cost of the Project. The assessment of actual costs, however, will have to be made by the Bidders.]</u>
Performance Security (PBG)	Performance Security (PBG): Rs 16.02 Lakh/MWp. This PBG amount shall be furnished by the successful bidder to Zonal Railways within 30 days of Signing of PPA.
Date of Commencement of downloading of Bid document from e-portal	07/02/2023
Pre-Bid Conference/ Clarification Meeting	20/02/2023
Last date & time for: (a) Online Submission of Response to RFQ/RFP/ PPA, and (b) Submission of all documents physically at Railway office	(a) 20/03/2023 (b) 20/03/2023
Bid Opening –RFQ (Techno- Commercial)	20/03/2023 at 13:00 hrs
Financial Bid Opening-RFP	Shall be informed to bidders in due course
Cost of Bid Document (non-refundable)	Rs. 34,810/- (Inclusive of GST) to be submitted in the form of Demand Draft in favour of Principal Finance Advisor, South eastern railway, Garden reach, Kolkata through offline submittals documents vide clause 2.13 A of RFQ.
Bid Security/EMD:	Bid Security/EMD: Rs. 10.68 Lakh/MW is to be submitted in the form of Bank Guarantee along with the Response to RFQ/RFP. Format of Bank Guarantee for Bid Security is provided at Appendix-II of RFP. <u>[In this case, amount of bid security shall be: Rs 35,67,120/- for the bidders participating for SPV capacity and Range 10kWp to 100 kWp and Rs 68,24,520/- for the bidders participating for SPV capacity and Range 100 kWp to 500 kWp]</u>
Name, Designation, Address and other details (For submission of Offline Document for Response to RFQ/RFP)	Name: Praveen Meena Designation: Dy.CESE/SER Address: Office of the Principal Chief Electrical Engineer 4 th Floor, New Administrative Building, South Eastern Railway (HQ), Garden Reach Kolkata – 700043, West Bengal
Details of persons to be contacted in case of any assistance required	1) Mr. Amit Chakrabroty Email: powergrc100@gmail.com Mobile: 9002080331 2) Mr. Arun Kumar Email: arunkumar437@gmail.com Mobile: 9002080332
Important Note: -Bidders are requested to remain updated for any notices/ amendments/ clarifications etc. to the RFQ/RFP/PPA document through the e-bidding portal. No separate notifications will be issued for such notices/amendments/clarification etc. in the print media or individually. Intimation regarding notification/ amendments/ clarifications etc. shall be updated only on above website. All the information related to this tender shall be updated in the e-bidding portal.	

This Notice Inviting Tender, RFP, RFQ, PPA and any other document attached in e-bidding portal are collectively called as BID DOCUMENT and the content therein shall be applicable. Though adequate care has been taken while preparing the RFP document, the Bidders shall satisfy themselves that the document is complete in all respects. Intimation of any discrepancy shall be given immediately. The Railway shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to the RFQ or the Bidding Process, including any error or mistake therein or in any information or data given by Railway.

Bidders are encouraged to submit their respective Bids after visiting the Project site and ascertaining for themselves the site conditions, traffic, location, surroundings, climate, availability of power, water and other utilities for construction, access to site, handling and storage of materials, weather data, applicable laws and regulations, and any other matter considered relevant by them.