



Bid Number: GEM/2022/B/2826381

Dated: 07-12-2022

Bid Document

Bid Details	
Bid End Date/Time	17-12-2022 14:00:00
Bid Opening Date/Time	17-12-2022 14:30:00
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Office Of The Principal Chief Materials Manager, East Coast Railway, North Block, 2nd Floor, Chandrasekharpur, Bhubaneswar-751017.
Total Quantity	1
Item Category	Off-Grid Solar Photovoltaic (PV) power plant (Q3)
Years of Past Experience Required for same/similar service	1 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	80 %
Bid to RA enabled	No
Type of Bid	Single Packet Bid
Time allowed for Technical Clarifications during technical evaluation	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required

No

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference

No

MSE Purchase Preference

MSE Purchase Preference

Yes

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Off-Grid Solar Photovoltaic (PV) Power Plant (1 pieces)

Brand Type

Registered Brand

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
PV Module	Type of Solar Module	Polycrystalline, Mono crystalline
	Module efficiency	>=15%, >=16%, >=17%, >=18%, >=19%
	Module product warranty	12, 15, 20, 25

Specification	Specification Name	Bid Requirement (Allowed Values)
Power Conditioning Unit (PCU)	Charger technology	PWM, MPPT
	Warranty of PCU	12, 24, 36, 60
	Output phase	Single, 3 Phase
	Rated Power (kVA)	3, 3.5
	Efficiency at STP for linear loading	>=90%, >=92%, >=95%
	Input Phase	Single, 3 Phase
	Nominal battery DC system voltage	12, 24, 36, 48, 60, 72, 96, 120, 240
Generic	capacity of power plant (kVA)	1, 1.5, 2, 2.5, 3, 4, 5, 6, 7.5, 10, 12, 12.5, 15, 18, 20, 25, 30, 50, 62.5
Battery specifications	Battery warranty	2, 3, 4, 5
	No of battery	1, 2, 4, 6, 8, 10, 12, 16, 18, 20, 24, 30, 60, 120, 240
	Battery capacity (Ah)	100, 110, 120, 150, 180, 200, 400, 480, 1200

Additional Specification Parameters - Off-Grid Solar Photovoltaic (PV) Power Plant (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Required item specifications 1	Roof top off grid 3 kWp solar plant with 10-12 Hrs. battery back up, Type of solar module: Polycrystalline, Rated power of each PV module: 335 watt, Module warranty: 25 years, Module efficiency: >= 18%, Module conforming to: IEC 61215 Ed2, IEC 61730-1, IEC 61730-2, Charging technology: MPPT, Charging stages: Boost, Absorption, Float, Output phase: Single phase AC, Output wave form: Pure sine wave, Rated output voltage: 230 volt AC.
Required item specifications 2	Switching device: IGBT, Efficiency at STP for linear loading: >=95%, Power factor for lead/lag- >=0.9, Automatic changeover between solar & AC mains: required, Nominal battery DC system voltage: 48 volt, Battery voltage: 12 volt, No of battery: 4, Battery capacity: 150 Ah, Battery warranty: 2 years, Protection class of junction box: IP 55, IP 65. Make: UTL or WAAREE or LUMINOUS or similar.
Note	All sellers have to offer item as per Additional Specification Parameters only. Bid allowed value will not be acceptable.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Arjun Kumar Sahu	768002,Office of the Sr. Divisional Materials Manager, DRM office complex, Modipara, Dist- Sambalpur- 768002	1	30

Buyer Added Bid Specific Terms and Conditions

1. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

2. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

3. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions.](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---