



Sub: Rehabilitation of Deck Structure of Sardar Vallabhai Patel Bridge (Parallel Bridge) of Visakhapatnam Port - Provision of CCTV Cameras and accessories – Supply of Hybrid solar power solution to CCTV Cameras - Reg.

CONTRACTOR

EXECUTIVE ENGINEER

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VISAKHAPATNAM PORT AUTHORITY
MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT

VISAKHAPATNAM – 530 035 (A.P.)
(Fax No.91-0891-2564787/2565023 E-mail: info@vizagport.com)

NOTICE INVITING TENDERS (NIT)

1.	ORGANISATION	:	VISAKHAPATNAM PORT AUTHORITY
2.	DEPARTMENT	:	Mechanical & Electrical Engineering Department, VPA, VSP.
3.	NIT NUMBER	:	No.49 /2024-25/IM&EE/MOF/FOF/ET/F.122A, Dt. 27.02.2025.
4.	NAME OF WORK	:	Rehabilitation of Deck Structure of Sardar Vallabhai Patel Bridge (Parallel Bridge) of Visakhapatnam Port - Provision of CCTV Cameras and accessories – Supply of Hybrid solar power solution to CCTV Cameras - Reg.
5.	ESTIMATE AMOUNT PUT TO TENDER	:	Rs.1,69,000/- (Excl. of GST) (Rupees One lakhs Sixty nine thousand only)
6.	PERIOD OF CONTRACT/COMPLETION	:	04 weeks from the date of issue of Work Order subject to site clearance by VPA.
7.	FORM OF CONTRACT AND CLASS OF CONTRACT	:	Experienced contractors with similar kind of experience <u>or</u> System Integrator.
8.	BIDDING TYPE	:	
9.	BID CALL NO.	:	1 st Call
10.	TYPE OF QUOTATION	:	Item Rate
11.	TRANSACTION FEE (to be paid online only)	:	Rs.236/- (Rs.200 + GST @ 18%)
12.	AVERAGE ANNUAL TURN OVER (During last three Financial years)	:	30% of the estimate contract value.
13.	EMD/BID SECURITY (to be paid online only)	:	Rs.3,380/- (Rupees Three thousand Three hundred and Eighty only)
14.	BID DOCUMENT DOWNLOADING START DATE	:	<u>27.02.2025</u> from 16.00 Hours
15.	BID DOCUMENT DOWNLOADING END DATE	:	<u>08.03.2025</u> up to 16.00 Hours
16.	LAST DATE AND TIME FOR RECEIPT OF BIDS	:	<u>08.03.2025</u> up to 16.00 Hours

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18.	PRE-QUALIFICATION/ TECHNICAL BID OPENING DATE	:	<u>10.03.2025</u> at 16.30 Hours
19.	BID VALIDITY	:	30 Days
20.	OFFICER INVITING BIDS	:	Executive Engineer, VPA,VSP
21.	BID OPENING AUTHORITY	:	Executive Engineer, VPA,VSP
22.	ADDRESS	:	O/o Executive Engineer, 2nd floor, Room No.207, M&EE Department, Visakhapatnam Port Authority, VISAKHAPATNAM (Dist.) A.P., India.
23.	CONTACT DETAILS	:	Executive Engineer(E/T), 0891-2874664, 8464066633 Email: cme.vmv.vpt@gov.in v.madhava67@gmail.com

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MEMORANDUM

GENERAL DESCRIPTION

Name of the work: Rehabilitation of Deck Structure of Sardar Vallabhai Patel Bridge (Parallel Bridge) of Visakhapatnam Port - Provision of CCTV Cameras and accessories – Supply of Hybrid solar power solution to CCTV Cameras - Reg.

- A) Transaction Fess : **Rs.236/-** (Rs.200/- + GST @ 18%)
B) Earnest Money Deposit : **Rs.3,380/-**

Transaction fees & EMD to be paid online only. Only those bids in which the Transaction Fees/EMD has been remitted online will be considered for opening and evaluation and those bids in which offline payments have been made will be automatically rejected by the system.

Bank details for paying Transaction Fees / EMD online are given below:

**State Bank of India,
Port Branch,
Visakhapatnam.
Account No. 30387186900
IFSC Code: SBIN0001740**

- C) Performance cum Security Deposit : 10% of the contract value by way of E-Bank Guarantee from Scheduled / Nationalized bank in VPA proforma.

The following are the details of VPA for submitting E-Bank Guarantee.

Beneficiary Bank : ICICI Bank
Account No. : 6005008974
IFSC : ICIC0000060
Unique code : VPT521470257

- D) Work Completion period : **04 weeks** from the date of issue of Work Order subject to site clearance by VPA.

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Procedure of Bid Submission:

Sealed Quotations in Single Cover system duly superscribing the name of the subject work on the envelope, is invited up to Hrs. on to undertake the above work

Pre-qualification Criteria:-

1. The firm has to pay the Tender Document cost of Rs.236/- through RTGS/NEFT/UPI or other online mode of payments and collect the original cash receipts immediately from RE Section, Accounts Department, Ambedkar Bhawan, Ground Floor. The Bank Account details to which amount is to be transferred/deposited is furnished below.

Account No.: 30387186900
IFSC No. : SBIN0001740
Account Name: Visakhapatnam Port Trust
Bank Name : State Bank of India
Branch Name: Visakhapatnam Port Branch

2. **EMD:** Rs.3,380/-

Note: All the eligible Bidders, who are registered with NSIC / Ministry of MSME are exempted from payment of Tender Document Cost & EMD to the following conditions:

- a) The Bidder has to submit the self-certified copy of the Registration Certificate issued by NSIC / Ministry of MSME for the services /manufactures.
 - b) The above Registration certificate should have validity on the date of opening of the technical bid.
 - c) In case the Registration certificate issued by NSIC/Ministry of MSME is found to be invalid (date expired) then the above Registration certificate cannot be considered for exemption of Tender Document Cost and the Bid received will be treated as “Bid submitted without Tender Document Cost”, which would attract disqualification.
 - d) Copy of “Application for obtaining NSIC/ MSME Registration” or pending renewal of NSIC/MSME certificates will not be entertained. Such offers will be treated as Offers received without Tender document cost.
3. **Experience Similar works:** **Supply, Installation and commissioning of solar power solution to CCTV Cameras**” successfully executed in Government organisation/Ports/ PSUs/Projects or in any other private enterprises for atleast 50% of the put to tender.
 4. Firm has to submit details of Annual Financial turnover duly issued by a Chartered Accountant for the last 3 years, ending 31st March of the previous financial year. Average Annual financial turnover of the firm during the above period should be at least 30% of the estimated cost put to tender with positive / profit net worth. The Annual IT return sheet or balance sheet submitted by the firm will not be considered as proof of annual financial turnover certificate.

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Terms and conditions:

1. The Contractor has to submit the offer for the same in single cover system and to be submitted on or before the due date duly addressing to the Executive Engineer (E/T), Visakhapatnam Port Authority.
2. According to GST rules, every firm/dealer is liable to be registered, whose turnover exceeds Rs.20 Lakhs for supply of Goods/Services/Executing any work contract.
3. Firm's quoted rate shall be exclusive of GST components.
4. **Payment Terms:**
 - a) 100% payment will be made on successful completion, of entire work duly certified by the engineer-in-charge.
 - b) Payment will be made against TAX INVOICE as prescribed under the GST Act/Rules and the supplier/contractor is required to remit GST as per the Govt. Rules and file the details in GSTR1 on or before 10th of the subsequent month to enable VPT to claim input tax credit, otherwise the said tax invoice will be kept pending for payment.
5. Validity of offer should be 2 months from the last date of receipt of the offers.
6. Statutory deductions will be made from the bills.
7. Conditional offers will be rejected.
8. In case of any clarification, Please contact at phone No. 0891-2874665.
9. The subject work should be executed and to be completed within 4 weeks from the date of Site Clearance excluding departmental hindrance if any.
10. The work shall be completed within the stipulated period, failing which a penalty @ 0.5% will be levied for every week of delay, on the part of the contractor subject to maximum 10% on total contract / executed value.

Executive Engineer(E/T)
Mechanical & Electrical Engineering Department,
Visakhapatnam Port Authority,
VISAKHAPATNAM – 530 001.

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Visakhapatnam Port - Provision of CCTV Cameras and accessories – Supply of
Hybrid solar power solution to CCTV Cameras - Reg.

Work Schedule

Sl.No.	Description	Qty	Unit Rate	Amount (Rs.)
1.	Smart Hybrid Solar Power solution with 100AH Prismatic battery, Battery management system with Over charge & Over load protection, 360 Watt (180x2) 12 Volts 9Amp Mono Perc Solar Panels, Controller with Grid power input and Solar power input which automatically selects the power source preference from 230V AC with reverse power protection, Converter with various DC Outpu provisions as follows. 12V DC x 5 + 9V DC x 1 + 5V DC x 1	04		
	Total (Excl. of GST)			

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Technical Specifications:

Name of the work : “Rehabilitation of Deck Structure of Sardar Vallabhai Patel Bridge (Parallel Bridge) of Visakhapatnam Port - Provision of CCTV Cameras and accessories - Supply of Hybrid solar power solution to CCTV Cameras – Req.

Solar Panel: 180W Mono PERC Solar Panel	
Feature	Specifications
Name	180W Mono PERC Solar Panel
Maximum Power	180W
Open Circuit Voltage	22.12V
Short Circuit Current	10.37A
Voltage at Max Power	18.01V
Current at Max Power	9.91A
Max System Voltage	1000V
Number of Cells Per Module	32
Key Features	<ul style="list-style-type: none"> • High Conversion Solar Cells • Hassle-Free Installation • Maintenance Free • Robust Structure • PERC Technology (Passivated Emitter and Rear Cell)
Battery: 100AH Battery	
Battery Capacity	100AH Battery
High Lifespan	3000 cycles and more
Self-discharge	< 3% per month
Energy efficiency	> 98%
Standard Charge voltage	14.4 V ± 0.2 V
Optional floating voltage	13.36V max
Charge Current	<ul style="list-style-type: none"> • Continuous: 50A • Maximum: 100A

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BMS Charge Cut-off Voltage	14.8 V ± 0.1V
Standard Discharge Instant peak discharge current	300A ± 30 A
Environment Charge	<ul style="list-style-type: none"> • Charge Temperature range 0°C to +60°C • Discharge Temperature range -20°C to +60°C • Storage temperature 0°C to +50°C (60±25% relative humidity)
Solar Charge Controller: 20A PWM Solar Charge Controller	
Charge	20A Solar
System Voltage	12V
Rated Current	20A
Type	PWM (Pulse Width Modulation)
Maximum Input Voltage	20V
Battery Compatibility	<ul style="list-style-type: none"> • Lead-Acid (Flooded, AGM, Gel) • Lithium Batteries
Efficiency	90% Max
Protection Features	<ul style="list-style-type: none"> • Overcharge Protection • Overload Protection • Short-Circuit Protection • Reverse Polarity Protection

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Scope of Work:-

1. Solar powered CCTV Surveillance system is to be installed based on latest technology charge controller to supply power to both load and battery simultaneously.
2. Charge controller / Solar Inverter is equipped with a provision of taking power from both solar panel and also the single phase power situated at the site.
3. Suitable Solar panels and charge controller or solar inverter should be installed to power up the load / equipment and also sufficient battery backup to be facilitated to ensure proper working of equipment without any irregularities.
4. Civil work like digging, refilling should be done with at-most care to ensure no cables were exposed outside the ground.
5. Solar Inverter / Charge controller and batteries should be properly sealed and kept inside an enclosure box to protect the equipment.
6. Solar Panel mounting to pole which includes welding is in firm scope.
7. All required power, network cables required for commissioning of the Solar power system is in firm scope.

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