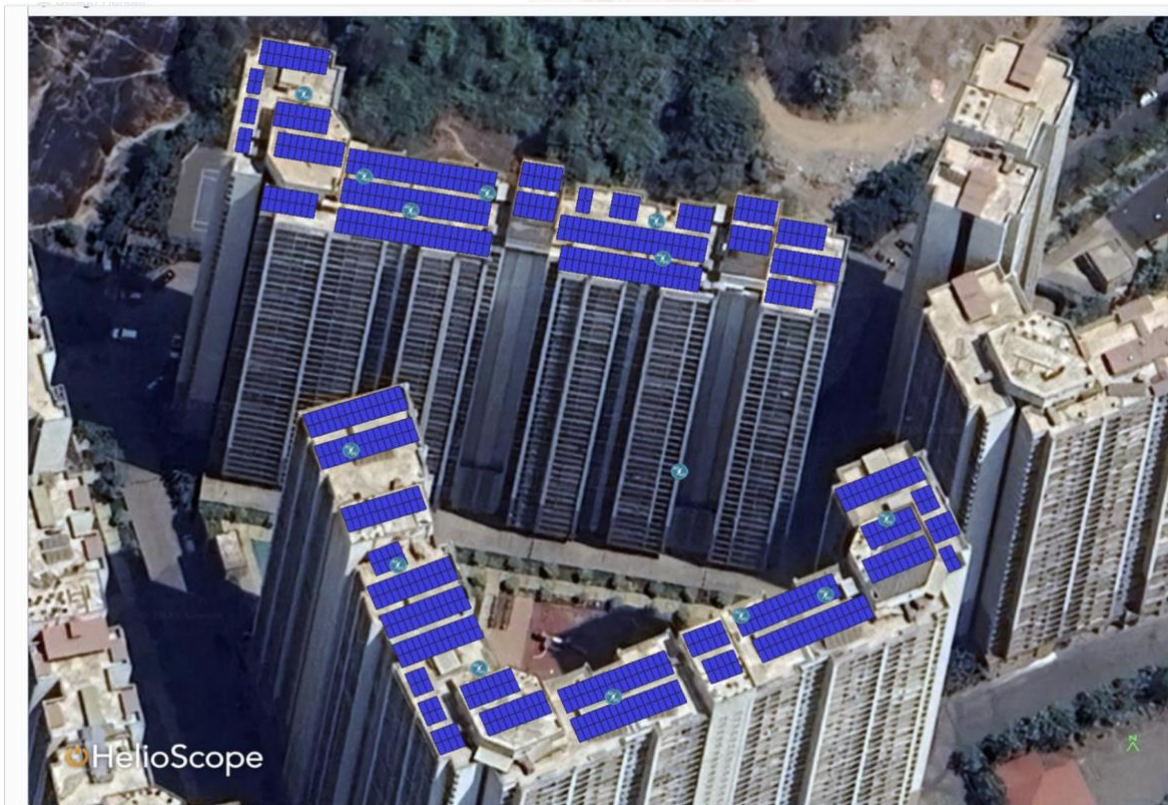


2026

Request for Proposal (RFP)

“Design, Supply, Installation, Testing, Commissioning (SITC) and Operation & Maintenance of a Roof-Mounted Solar PV Power Project, Estimated 450+ kWp”, at IBG Marigold Co-operative Housing Society Ltd., Panvel, Mumbai – 410221.



IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD



Gr Floor, 18E, Sector 4, IBG Marigold CHSL,
Indiabulls Greens, Kon, Post -Ajivali, Tal-Panvel, Dist- Raigad 410221
Mobile: +91 91362 26601 | +91 96659 22277
Email: ibgm.solar@gmail.com, support@marigold.ibgreens.in
Website: <https://marigold.ibgreens.in>.

RFP No: **IBGM-2026/01**

Dated: 30-06-2026

IBG Marigold Co-Operative Housing Society Ltd. (hereinafter called “IBG Marigold”), invites bids from the eligible bidders to participate in the Request for Proposal (RFP) of Bidders for Design, manufacture, supply, erection, testing and commissioning including warranty, operation & maintenance of Roof Top Solar PV power system at IBG Marigold Panvel Mumbai Maharashtra

For the implementation of above-mentioned work, ***Bidders should submit their bid proposal along with all supporting documents complete in all aspect a hard copy (Spiral binded) shall be submitted on or before 10-07-2026 up to 17:30 Hrs.*** at the office of “Gr Floor, 18E, Sector 4, IBG Marigold CHSL, Indiabulls Greens, Kon, Post -Ajivali, Tal-Panvel, Dist- Raigad 410221” in prescribed format. Bidder shall submit bid proposal along with Earnest money Deposit, complete in all respect as per the Bid Information sheet. ***Pre-Bid meeting will be held on 05-07-2026 at 11:00 hrs to 1:00 pm, Techno-Commercial bids will be opened on 12-07-2026 at 11:00 hrs. in presence of authorised representatives of bidders who wish to be present.*** Bid proposals received without or lesser than the prescribed Earnest money Deposit will not be considered.

Submission of Earnest Money Deposit (EMD) with six months validity shall be mandatory for all bidders. The Bidder should regularly follow up for any Amendment/ Corrigendum/ Clarification on the above Society website. IBG Marigold reserves the right to reject any or all proposals without assigning any reason thereof.

Mr. Ravindra Srivastava
Chairman

Adv. Jyotishwar Bhosale
Secretary

Mr. Satheesh Chandroth
Treasurer

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PART A – GENERAL INFORMATION

1. INTRODUCTION

IBG Marigold hereon referred to as “Purchaser”, is a registered body under co-operative housing society under the Maharashtra Co-operative Societies Act, 1960 and is formed for managing and maintenance of common area and amenities of owners. The IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD Gr Floor, 18E, Sector 4, IBG Marigold CHSL, IndiaBulls Greens, Kon, Post -Ajivali, Tal-Panvel, Dist- Raigad 410221.

IBG Marigold Society invites bids from reputed and experienced Solar EPC/RESCO developers for the design, engineering, supply, installation, testing, commissioning, operation and maintenance of a rooftop solar photovoltaic (PV) plant.

The project shall be procured only under OPEX Model - zero-value transfer model. No alternate commercial model shall be considered under this tender.

The final decision on the business model will be taken by the Society Management based on the comparative evaluation of bids received.

2. PURPOSE OF THE RFP

Rooftop Solar Power Plant is an important source of distributed renewable energy generation and enjoys several benefits including utilization of available vacant roof space, low gestation period, significant reduction in transmission and distribution losses, estimated savings towards electricity consumption and reduction in carbon dioxide emission. This will contribute to climate change mitigation by utilizing renewable energy for electricity production. It is an important element and factor contributing towards sustainable living and reducing Greenhouse Gases (GHGs).

3. INVITATION TO TENDER

This RFP is an invitation for bidders' response. No contractual obligation on behalf of the Purchaser whatsoever shall arise from the RFP process unless and until a formal PO/ LOI is issued by the Purchaser to the successful bidder.

Bidders are expected to examine all instructions, terms, specifications and other information in the RFP document. Failure to furnish any information required by the RFP document or to submit a bid not substantially responsive to the RFP document in every respect will be at the Bidder's risk and may result in the rejection of its bid.

Prior to the last date for bid-submission, the Purchaser, may, for any reason, whether at its own initiative or in response to clarification(s) sought from the prospective bidders, modify the RFP contents/ covenants by amendment. All corrigenda, amendments, and clarifications issued under this tender shall form part of the tender document and shall apply uniformly to all bidders participating in this tender.

Bidders should inform in their bid clearly if they have any prior personal/ family/ professional relationship to any member of the Society/ Purchaser. Any form of canvassing/ lobbying/ influence/ query regarding short listing, status etc. shall lead to rejection of offer by the Purchaser the rejection will be done by the discretion of committee. Decision of the Purchaser



on the matter shall be final and binding to all bidders. In case, it is found that the bidder has submitted any forged document or false declaration, the offer of such bidders will be outrightly rejected.

4. **DISCLAIMER**

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 to this office immediately. If no intimation is received from any Bidder within Ten (10) days from the date of notification of RFP/Issue of the RFP documents, it shall be considered that the RFP document is complete in all respects and has been received by the Bidder.

IBG Marigold reserves the right to modify, amend or supplement this RFP document including all formats and Annexures.

While this RFP has been prepared in good faith, neither IBG Marigold nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP, even if any loss or damage is caused by any act or omission on their part.

5. **BID INFORMATION SHEET**

Document Description	This RFP document comprises for Bidding process for estimated 450+ kWp rooftop solar PV project under OPEX Model only.
RFP No. & Date	RFP No: IBGM-2026/01 Dated 30-June-2026
Issue of notification in newspaper:	Wednesday, 01-July-2026
Release of RFP:	Tuesday, 30-June-2026
Last date & Time of Submission of Response of RFP (<i>Spiral Binded Hard Copy</i>)	10-July-2026 till 17:30 Hrs.
Pre-Bid Meeting	05-July-2026 11:00 am to 01:00 pm
Bid Opening (Techno-	12-July-2026 11:00 am.



Commercial)	
Non-Refundable Tender Document Fee	₹2500/- (Rupees Two Thousand Five Hundred only) + 18% GST, to be paid while collecting the Tender Document
Earnest money Deposit	3,50,000/- (Rupees Three Lakh Fifty Thousand Only) (Security Deposit) by means of a Demand Draft/ Pay Order/ Bankers Cheque (Valid for 180 days from the last date of bid opening) from any scheduled Nationalized Bank drawn in favour of IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD, Payable at Panvel (Raigad). To be submitted in the Techno Commercial Envelope /Annexure IV. - For successful bidders, EMD will be discharged upon execution of the Contract and submission of the Bank Guarantee towards Security Deposit / Performance Guarantee. - For unsuccessful bidders, the EMD instrument shall be returned / collected within 15 business days from declaration of the final bid result. - Each bidder shall mandatorily furnish bank account details in the prescribed format for EMD refund processing.
Performance Security (PBG) – Mandatory	Performance Bank Guarantee amount shall be furnished by the successful bidder within 15 business days post issue of Letter of Allocation by IBG Marigold
Name, Designation, Address and other details (For Submission of Response to RFP)	IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD Gr Floor, 18E, Sector 4, IBG Marigold CHSL, IndiaBulls Greens, Kon, Post -Ajivali, Tal-Panvel, Dist- Raigad 410221. Mobile: +91 91362 26601 +91 96659 22277 +91 83086 11666.
Completion of both techno-commercial and price bid evaluation and declaration of successful bidder	30 July 2026 (tentative)
Placement of order / LOI (tentative)	30 July 2026 (tentative)
Mandatory Tender Submission Format	Two packet system. One envelope (With Spiral Binding) for Techno-Commercial bid (Separate envelope for EMD) and another envelope (With Spiral Binding) for Price bid. Improper submission of the bid document will be rejected.



Refer to Annexure VI for various bidder declaration sheets

PART B – SCOPE AND REQUIREMENTS

6. PROJECT OVERVIEW & OBJECTIVES

Project Overview

- **Project Title & Capacity:** Rooftop Solar PV Power Project (450+ kWp).
- **Location:** IBG Marigold CHS Ltd., Panvel, Navi Mumbai.
- **Type of Project:** Rooftop-non penetrative, grid-connected, net-metered system.
- **Execution Models:** OPEX only.
- **Site Context:** Installation across seven towers (130 Meters Height), including above overhead tanks and terrace spaces.
- **Key Deliverables:** Design, Supply, Installation, Testing, Commissioning, Liaising for net metering, O&M for 5 years.
- **Compliance:** MNRE, DISCOM, IEC/IS standards, ISO Standards, BIS Standards safety and quality norms.

Refer Annexure II for list of IEC Standards /IS Standards

Objectives

- Harness renewable solar energy to reduce grid electricity dependency.
- Achieve long-term cost savings for society through reduced power bills.
- Ensure sustainability and contribute to carbon footprint reduction.
- Utilize available rooftop spaces efficiently without affecting residents' use.
- Guarantee high performance ratio ($\geq 75\%$ for Mumbai region).
- Ensure safe, reliable, and bankable solar system with warranties and AMCs.
- Enable future-readiness (DG sync, SCADA monitoring, energy data analytics).

7. MAJOR SCOPE OF SUPPLY & SERVICES

Scope of Work:

- i. The scope of work for the bidder shall include, but not be limited to, the following:
 - Site Survey – Conduct a comprehensive survey of all seven towers of IBG Marigold to assess rooftop suitability, structural strength with analysis, shading analysis, and electrical, mechanical and civil integration feasibility.
 - Complete EPC execution of rooftop solar PV plant (design, supply, installation, testing, commissioning).



- Net metering approval and liaising with MSEDCL (Any other governing authority if needed).
 - Performance testing and guaranteed generation compliance.
 - Operation and Maintenance obligations shall be specified under the OPEX contract for the defined contract tenure.
 - Handover of all warranties, documents, drawings, manuals, and licenses.
- ii. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings, 8G1,9C1,10G1,11F,17G1,18E,19C1 (on available space). The installation ***shall adhere to the configurations specified under Annexure I (Technical Configuration / Design Layout)***

The lists of major equipment under scope of supply of this RFP are:

- i. Solar PV Modules offered shall be sourced only from reputed and established manufacturers having significant utility-scale manufacturing presence and proven track record in the solar industry. Approved makes shall be limited to the following: Waaree, Vikram Solar, Premier, Adani/Mundra, Tata Power, and Renew Photovoltaics.
- ii. All components shall comply with the latest applicable BIS, MNRE, ISO and IEC standards and shall be listed in the prevailing MNRE Approved List of Models and Manufacturers (ALMM), wherever applicable.
- iii. Grid Connected inverters of suitable capacity
- iv. Necessary designing and construction of elevated Structure -
- v. Civil foundation work for non-penetrative erection of elevated structure. (To be finalized after detail assessment).
- vi. AC Distribution Boxes and Metering panel
- vii. DC Distribution Boxes
- viii. Protections – Earthing, Lightning, Surge arrestor
- ix. Earthing kits and Earthing electrodes
- x. AC & DC Cables and connectors
- xi. Energy meter & net meter
- xii. All miscellaneous materials
- xiii. Any other item required for meeting the intent of the specification and required for completeness of the supply, installation, testing & Commissioning of Solar PV plant.
- xiv. All components shall comply with the latest applicable BIS, ISO, MNRE, and IEC standards.

Refer to Annexure II for scope of supply and BOM Checklist



iii. FINANCING MODELS

The project shall be procured under OPEX Model only. Financial offers shall be submitted only in the prescribed OPEX format. Under the OPEX Model, the selected bidder shall perform the obligations, provide the services, and receive payment strictly in accordance with the OPEX commercial terms, SLA obligations, and payment mechanism specified in this tender.

A) OPEX Model —Zero-Value Transfer:

- a. The Developer shall invest 100% upfront project cost.
- b. The Society shall pay a fixed monthly tariff (₹/kWh) for all energy generated and consumed, for a period of 5 years.
- c. At the end of 5 years, the asset shall be transferred to the Society at Zero Value (₹0) along with all warranties, performance guarantees, and documentation.
- d. O&M, Spares management, Insurance, Administrative / Compliance Costs, Taxes & Duties if any for 5-year contract (OPEX) period shall be included in the tariff.
- e. Minimum Generation Guarantee (MGG): The Developer shall guarantee a minimum annual generation (KWh/KWp/year) as quoted in the bid.
- f. Refer to Annexure V for FORMAT FOR NET MINIMUM GUARANTEE GENERATION (NMGG)
- g. In case actual generation falls below this committed level, the Developer shall compensate the Society at the applicable tariff rate for the shortfall units.
- h. Compensation shall be decided by mutual agreement by both the parties
- i. Early Buyback Option: The Society may / willing to acquire ownership before the completion of 5 years at a depreciated price. The bidder must clearly specify the depreciation method (e.g., straight-line depreciation at X% per year) to determine such early buyback price.
- j. No additional penalty or hidden charges shall be imposed beyond the quoted buyback formula.

PART C – ELIGIBILITY & EVALUATION

iv. PRE-QUALIFICATION REQUIREMENTS (PQR)

Category	Parameters	Qualifying Criteria	Weightage
Organization	The Bidder must be a Corporate Body/ Public or Private Ltd company/ Public sector undertaking.	Mandatory	



Workforce	Current number of employees on the payroll of the Bidder	At least 20	10%
Commercials	Average yearly turnover of Bidder for last 3 financial year	INR 10 Crore for last 3 Financial Years with minimum 3 Crores in each year	30%
Experience*	Total number of installed SPV projects on building having minimum G+20 floors based in Mumbai	At least 1 project in Mumbai	10%
	Total number of OPEX projects installed by the Bidder.	At least 20 numbers and at least three in housing society	10%
	Cumulative installed capacity of SPV based grid connected power plants SITC by the Bidder under DISCOMs	At least 1000 KWp	10%
	Total years of experience of the Bidder in the SITC of SPV based grid-connected power plants	Minimum 5 years	15%
	Experience in successfully completing at least 5 years AMC/ CAMC contract of any installation above 200 kWp	At least 2 no's	15%

Refer Annexure III for Pre-Qualification Checklist and Forms

v. GUIDELINES ON PREPARATION AND SUBMISSION OF TECHNO COMMERCIAL BID AND PRICE BID

a. GENERAL GUIDELINES:

Bidders are required to submit pre-qualification, techno-commercial and price bids separately.



The techno-commercial bid is required to include technical specifications, commercial clauses without the price. The hard copy (Spiral binding compulsory) of both the bids must be submitted to the Society office before the due date and time specified. Please ensure that the techno-commercial bid along with the Earnest money deposit DD and the price bid are enclosed in separate sealed envelopes.

The scope of work or support needed from the Purchase must be clarified in the techno-commercial bid, along with the list of documents required for this project

b. TECHNO-COMMERCIAL BID

i. Pre-Qualification requirements (PQR) documents

The Bidder should submit all documents, as mentioned below, to ascertain that the bidder is meeting all the PQR criteria. Incomplete submission of document may result in rejection of the offer of the bidder.

PQR Criteria	Documents to be submitted
The Bidder must be a Corporate Body/ Public or Private Ltd company/ PSU.	Company Registration certificate/ certificate of incorporation, of the bidder
At Least 20 number of employees currently on the payroll of the Bidder.	Any document like PF payment along with declaration by bidder on their letterhead and signed by MD/ Head of HR.
Average yearly turnover of INR 10 crore for last 3 Financial Years with minimum 3 Crores in each year.	Turnover certificate signed by certified CA (audited financial reports for last 3 years).
At least one number of SITC in G+20 (minimum) floors building out of which minimum one in Mumbai.	Unpriced PO/ LOI copy of the projects and address/ contact detail of each such project.
At least 20 number of projects installed by the Bidder under the OPEX scheme and at least three in housing society.	Tabular list of such projects on company letterhead, duly signed by MD.
At least 1000 KWp of cumulative installed capacity of Solar Photovoltaic (SPV) based grid connected power plants SITC by the Bidder under DISCOMs.	Tabular list of such projects on company letterhead, duly signed by MD.



Minimum 5 years of experience in SITC of Solar Photovoltaic based grid-connected power plants	Unpriced PO/ LOI copy prior to April-2025
Experience in successfully completing minimum 2 projects each for at least 5 years AMC/ CAMC contract of any installation above 200 KWp.	Unpriced PO/ LOI copy of the projects and address/ Contact detail of each such project.

The Techno-commercial Bid should be complete in all aspects and contain all Information mentioned in Annexure IV (General Information)

c. PRICE BID

The price bid must include pricing for Gen-3 Optimizer technology as per the annexure-I (configuration)

Annexure V – Price Bid Format for OPEX - Zero-Value Transfer

- i. The price bid must not contradict the technical/ techno-commercial offer in any way and should include the cost of all the items & services mentioned in this RFP.
- ii. The vendors should not offer any options or any conditional offers. The offer should strictly be in conformity with the items & services as mentioned in this RFP.
- iii. The amounts mentioned in the price bid must be in INR including all taxes and GST.
- iv. The rates quoted shall include all costs, allowances, levies, Duties, Charges, freight, insurance, packing, loading/ unloading, any other charges including any enhanced labour rates etc. which may become effective for any reason including those due to acts of Government/ Statutory Bodies enacted from time to time by the State and/ or the Central Government. Under no circumstances, shall the Purchaser be held responsible for compensation or loss to the Bidder due to any increase in the cost of labour or materials etc.
- v. The Purchaser will not pay any labour charges for transportation, installation of plant, miscellaneous charges separately. All such costs, if any, should be included in the total cost quoted. Any change in law/ rules leading to change (high or low) in duty/ tax/ levy shall be settled at actuals.
- vi. The Bidder shall be liable to pay all applicable corporate taxes and income tax that shall be levied according to the laws and regulations applicable from time to time in India.
- vii. No change/ impact in price bid will be accepted until there is a change in technical specification/ scope of supply/ scope of service intimated by the Purchaser to all participating bidder after opening of techno-commercial bid.



- viii. Price bids shall be submitted along with technical/ techno-commercial bid in a separate envelope as per the format attached.

vi. EVALUATION OF PROPOSALS

- Evaluation Phases: The bid would be first evaluated for the eligibility criteria and technical soundness and then for the commercials. All bids shall be evaluated at the sole discretion and determination of the Purchaser.

The evaluation will be a three-phase process: -

- i. Phase 1- Evaluation of pre-qualification requirement
 - ii. Phase 2- Technical Bid Evaluation (only for bidder qualifying phase-1)
 - iii. Phase 3 -Financial Bid Evaluation (only for bidder qualifying phase-1 & 2)
- The standing of vendor will be arrived only among the vendors who have complied to the PQR and Technical requirements of this RFP.
 - The successful bidder shall be determined based on the lowest evaluated responsive OPEX bid, in accordance with the evaluation methodology stated in this tender. However, the Purchaser reserves right to reject L1 bid if L1 bid is found to be abnormally lower than approximate market price or the Purchaser does not find L1 bidder suitable (on the basis of stability, capabilities, track records, reputation among users, etc.) for executing the contract.
 - The purchaser reserves the right to negotiate with the selected bidder and place the order only after the Purchaser is satisfied with the technical offer, suitability of the bidder and reasonability of price quoted.
 - The Purchaser further reserves the right to reject any or all offers based on its own evaluation of the offers received, or.
 - The Purchaser reserves the right to cancel the RFP if a suitable bidder or commercial offer is not received.

vii. TAXES AND DUTIES

- i. The tenderer in their quoted tender prices must include all taxes (except GST) and duties royalties, cess, local charges if applicable. No extra claim on this account will in any case be entertained. Price bids are invited inclusive of duties and taxes (except GST). However, Tax exemptions including certificates of any sort, if available may be dealt with the concerned Dept of Govt. of India by the bidder. IBG Marigold in no case will be responsible for providing any tax exemptions to the bidder.
- ii. Payment of all taxes i.e. GST (CGST/ SGST/ IGST) will be made at actuals, on production of suitable evidence of payment by the Bidder. However, proforma invoices of net amount shall



be raised and GST (CGST/ SGST/ IGST) reconciliation shall be done on a monthly basis. After the completion of the project, a single tax invoice shall be raised.

- iii. The Bidder shall be liable to pay all applicable corporate taxes and income tax that shall be levied as and when eligible according to the laws and regulations applicable from time to time in India.
- iv. The Purchaser reserves the right to deduct taxes under the applicable provisions of the Income tax Act, 1961 and such deduction shall be construed as a valid payment to the bidder. The Purchaser will deposit such an amount to the Government as taxes and provide the certificate to the bidder.

PART D – TECHNICAL SPECIFICATIONS

A. SYSTEM COMPONENTS:

A Grid connected Solar Rooftop Photo-Voltaic (SPV) power plant consists of SPV array, Module Mounting Structure, Power Conditioning Unit (PCU) consisting of Maximum Power Point Tracker (MPPT), Inverter, Controls & Protections, interconnect cables, Junction boxes, Distribution boxes and switches. Components and parts used in the SPV power plants including the PV modules, metallic structures, cables, junction box, switches, PCUs etc., should conform to the BIS or IEC or international specifications, wherever such specifications are available and applicable.

A. SPECIFICATION OF SOLAR PV MODULES:

The PV modules used must qualify to the latest edition of IEC PV module qualification test or equivalent BIS standards Crystalline Silicon Solar Cell Modules IEC 61215/ IS14286. In addition, the modules must conform to IEC 61730 Part-1: Requirements for construction & Part 2: Requirements for testing, for safety qualification or equivalent IS/ BIS and compliant with MNRE's guidelines.

- i. Approved makes shall be limited to the following: Waaree, Vikram Solar, Premier, Adani/Mundra, Tata Power, and Renew Photovoltaics. All modules shall comply with the latest applicable BIS, MNRE, ISO and IEC standards and shall be listed in the prevailing MNRE Approved List of Models and Manufacturers (ALMM), wherever applicable.
- ii. The bidder shall be liable to provide electroluminescence (EL) and flash test report (FTR) data for 100% of the lot, pre and post-delivery.
- iii. PV modules must be tested and approved by one of the NABL/ IEC authorized test centers.
- iv. The rated output power of the supplied module shall have positive tolerance of 0/+3%.
- v. PV modules should have a minimum Product / Manufacturing of 12 years and



Performance/Production of 30 years.

B. INVERTER:

Following shall be the necessary specs for the inverter:

- i. Technical parameter
 - Switching devices: IGBT/ MOSFET
 - Control: Microprocessor/ DSP
 - Nominal AC output voltage and frequency: 415V, 3 Phase, 50 Hz
 - Grid Frequency Synchronization range: ± 3 Hz or more
 - Ambient temperature considered: - 20 Deg C to 50 Deg C
 - Humidity: 95 % non-condensing
 - Protection of Enclosure: IP-20 (Minimum) for indoor / SIP-65 (Minimum) for outdoor.
 - Grid Voltage tolerance: -10% to +10%
 - No load losses: Less than 1 % of rated power
 - Inverter efficiency (minimum): >98% (In case of 10kW or above)
 - THD (Total Harmonic Distortion): < 3%
 - PF: > 0.9
- ii. The power conditioning units/ inverters should comply with applicable IEC/ equivalent BIS standard for efficiency measurements and environmental tests as per standard codes IEC 61683/ IS- 61683 and IEC 60068- 2 (1,2,14,30)/ Equivalent BIS Std.
- iii. The PCU/ inverters should be tested from the MNRE approved test centers/ NABL/ BIS/ IEC accredited testing- calibration laboratories. Type Test certificate to be produced to the Purchaser.
- iv. The bidder shall be liable to provide type test reports for all the installed inverters.
- v. Following shall be the minimum warranty periods for each technology:
- vi. Optimizer Technology: Minimum 12 Years (Inverter)/ 25 Years (Optimizer).

C. MODULE MOUNTING STRUCTURE (MMS):

- i. All module structures will be prefabricated and Hot dip galvanized iron/ galvalume MMS to be used for mounting the modules. Each structure should have an angle of inclination of ~10 degrees (or as per the site conditions).
- ii. Average coating thickness shall be 90 microns and above on the HDGI components and ~45 microns for galvalume components.
- iii. The Mounting structure shall be so designed to withstand the speed for the wind zone of the location where a PV system is proposed to be installed. The PV array structure design shall



be appropriate with a factor of safety of minimum 1.5 (On the terrace of G + 36 floors ~ 130 Meters of the apartment located in the city of Panvel Mumbai) It must be ensured that the structural design has been certified by a recognized lab/ institution in this regard and wind load calculations and STAAD report shall be submitted to the Purchaser.

- iv. The fasteners used should be made up of SS304. Fasteners for grouting should be approved to make. M12 HDGI of grade up to 4.6. The structures should be designed to allow easy replacement of any module and should not lead to any sacrifice in the output from the SPV panels. (Test reports of fasteners to be submitted to the Purchaser).
- v. Regarding civil structures, the bidder needs to take care of the load bearing capacity of the roof and needs to arrange suitable structures based on the quality of roof and it must be 100% leakproof.
- vi. All module structures to be prefabricated.
- vii. Foundation type: Non-penetrative strip ballast type (No drilling or anchoring into the roof)
- viii. Concrete Grade: M30 with Self compacting concrete free flow / grouting material of approved make RCC (cement/ sand/ coarse aggregate in 1:1.5:3 ratio)
- ix. Reinforcement: Reinforcements works to use approved make and as per consulted design.

D. PLANNING AND DESIGNING

- i. The bidder should carry out Shadow Analysis at the site and accordingly design strings & arrays layout considering optimal usage of space, material and labour.
- ii. The bidder should submit the array layout drawings along with a year-long Shadow Analysis Report (along with specific mentions of shadows on 21st Jun and 21st Dec at 10 am and 3 pm for each date for detailed analysis) to the Purchaser for approval. Locations, as approved by the Purchaser must only be used for installation of PV panels even if it results in reduction of total installed capacity of the solar PV plant.
- iii. The bidder shall mandatorily provide a SketchUp report of the entire plant's design.
- iv. The Purchaser reserves the right to modify/ change the site and specification of sub-systems and components at any stage as per local site conditions/ requirements.
- v. The bidder must submit a preliminary drawing for approval with consultant analysis.
- vi. The bidder must submit hard and soft copy of final drawing to the Purchaser for formal approval to proceed with procurement and installation work.

E. DRAWINGS & MANUALS

- i. The Bidder shall furnish following drawings within 10 days of PO/ LOI:
 - Layout of solar Power Array, General arrangement and PV plant layout drawing.
 - Schematic drawing showing PV panel, Power conditioning Unit(s)/ inverter, Junction Boxes,



AC and DC Distribution Boards, meters etc.

- STAAD report / design with drawing and structural drawing along with non-penetrative foundation details.
 - Itemized bill of material for complete PV plant covering all the components and associated accessories.
 - Shadow analysis report.
- ii. Bidders shall obtain approval of above documents by the Purchaser prior to commencing erection/ installation work.
- iii. Following documents are to be submitted after completion of SITC
- Two sets of hard copy & soft copy of all Engineering, electrical drawings, Installation and O&M (Operation & Maintenance) manuals and documents mentioned above.
 - Warranty certificate in name of Purchaser after commissioning.
 - MTC of manufacturer and Third party Test certificates and report of all major items like PV modules, Inverters, DCDB/ ACDB, structures etc from approved NABL / IEC / MNRE Registered labs.

F. TOOLS & TACKLES

After completion of installation & commissioning of the power plant, necessary tools & tackles are to be provided free of cost by the bidder for maintenance purpose.

Note: List to be enclosed along with the bid.

G. SAFETY MEASURES

- i. The bidder shall take entire responsibility for electrical safety of the installation(s) including connectivity with the grid and follow all the safety rules & regulations applicable as per Electricity Act, 2003 and CEA guidelines etc.
- ii. The bidder has to provide fix poly-vinyl stickers/ by fixed aluminum tags embossing on structures) on every tower terrace mentioning Plant Name, Capacity, Location, Date of commissioning, estimated Power generation in a year.
- iii. The size and type of sticker/ embossing shall be appropriate and subject to approval.
- iv. It shall be bidder's responsibility for adhering to safety guidelines of workmen. Any claim arising out of any accident while working at Purchaser's premises shall be complete responsibility and onus of the bidders and shall not have any onus or liability of the Purchaser.
- v. Fire extinguisher should be provided as and where necessary as per IE Act, to be maintained till contract tenure.
- vi. IE rules as amended up to date. Two Fire extinguishers Safety (as per standards) shall be provided one each at Rooftop near Inverter, DCDB, solar array area and another at LT



termination point on Ground, till the tenure of contract.

Structures – Technical specification		
#	Specification	Requirement/ Threshold
	Height of the structure from floor	Minimum 6 feet or as required by bidder at rooftop terrace are and Minimum 4 feet above the overhead tank
	Raw Material Steel Make	Tata/ Essar/ JSW
	Column Steel Grade	E300
	Zinc Coating Thickness	Hot Dipped Galvanized (HDG): Average 90 microns and above. Galvalume: Average 45 microns and above
	Cold Rolled Steel Raw Material	Galvalume
	Cold Rolled Steel Grade	E550
	STAAD utilization ratio for every joint	<1
	Loading conditions in STAAD	Eccentric loading as per IS 875-III
Structures – Compliances		
#	Specification	Compliance Standard/ Specs
	Structural components	IS 800/ IS 801/ IS 2062
	Wind load calculations	IS 875-III
	Cold formed light gauge structural steel sections	IS 811
	Galvalume raw material	IS 14246
	Steel tubes for structural purposes	IS 1161
	Hollow steel sections for structural use	IS 4923
	Light gauge structural steel or structural aluminum sections other than specified	IS 811

Balance of Systems BOS	
Component	Specifications



DC Cables	4 sq.mm. UV Protected Copper cable to Unarmored, UV Protected & Flame-retardant Compliance: EN-50618 certification is mandatory
Communication Cable	As per Detailed Design & Engineering
Miscellaneous	UV Grade Black Nylon Cable Ties, SS-316 Cable Ties, Safety Boards, Project Board, etc.
Earthing Cable	For inverter, LT panel body earthing, and DCDB earthing, use copper conductor of 10–16 sq mm. For module mounting structures, provide DC earthing using GI earthing strips. It is mandatory to follow the OEM guidelines for all earthing and bonding practices
Earth Pits and LA	Specs: Maintenance Free Chemical Earth pits with Earth rods 3m long 17.2mm diameter, Copper Bonded Earth Electrode with min 250 microns coating. The measured earthing resistance should be approximately 1 ohm .
Earth strip	25x6 mm GI Strip
Cable Conduit / Cable Tray	HDPE DWC UV Protected Conduits for DC Cables, GI Cable Tray for AC Cables
AC Cables	Inverter to ACDB: Copper cable. ACDB to Spare Feeder: Aluminum armoured XLPE cable. Spare Feeder to Client Panel: Aluminum armoured XLPE cable. Overall AC losses (cable + termination) shall not exceed 2%
AC Junction Box	MCCB: Thermal Magnetic Type Powder coating done with 7 -Tank Process. RAL 7035 color with overload, short circuit, earth leakage protections.
AC Termination	Glands: Double compression weatherproof glands from Comet/ Dowells / COSMOS Lugs: Aluminum/ Copper Lugs – Ring/ Pin type
Water Pipeline	B Grade GI Pipes & fittings up to 1 inch on ridge line and branches of up to 0.75 inch, both based on the requirement.
Water Pump	1 hp - Booster Pump per Tower
Project Compliance	Approved FQP compliance to be adhered to w.r.t. quality of project installation.



Lightening Arrestors	ESE-type IS 3043 compliant copper-bonded/ stainless steel rod
Fire extinguisher	Ensuring fire extinguishers are installed as per the IE Act is part of overall fire safety compliance and risk management, with half yearly maintenance certificate.
Weather and Air Quality Station	Provision of weather station and air quality monitoring at site, with periodic data inputs as required.
DG Genset synchronization	Provision for DG Genset synchronization with the Solar PV system to ensure seamless integration and reliable power management.

Approved Makes and Standards	
COMPONENT	SPECIFICATIONS
Module	Approved makes shall be limited to the following: Waaree/ Adani/ Vikram Solar/ Premier Energies/ Tata/Renew Power Technology: TOPCon N-type bifacial solar cells - NDCR BIS / MNRE / ISO / IEC Compliance: Yes Annual Degradation: 2-1% in Year 1 and $\leq 0.5\%$ YoY thereafter
Inverter	Make: SolarEdge Technology: Gen-3 Optimizer Technology/ Specs: Module-level Monitoring with MLPE Technology
Structure	Type: Pre-Fabricated MS structures HDGI (Avg 90 microns and above)/ Galvalume (Avg 45 microns and above) Non-Penetrative and design as per IS-875-2015 (Part-3) Concrete Grade: Min. M30 RCC (cement/ sand/ coarse aggregate in 1:1.5:3 ratio) Density of the Foundation: $\sim 2500 \text{ kg/m}^3$ Wind Load Bearing Capacity: 180 kmph (shall not be less than the wind zone requirement of the site) Fasteners: SS-304 A2-70 Fasteners
DC Cables	Make: Polycab/ KEI/ Finolex/ Havells Specs: 4 sq.mm. UV Protected Copper cable to Unarmored, UV Protected & Flame retardant Compliance: EN-50618 certification is mandatory.



Communication Cable	As per Detailed Design & Engineering
Miscellaneous	UV Grade Black Nylon Cable Ties, SS-316 Cable Ties, Safety Boards, Project Board, etc.
Earthing Cable	For inverter, LT panel body earthing, and DCDB earthing, use copper conductor of 10–16 sq mm. For module mounting structures, provide DC earthing using GI earthing strips. It is mandatory to follow the OEM guidelines for all earthing and bonding practices
Earth Pits and LA	Maintenance Free Chemical Earth pits with Earth rods 3m long 17.2mm dia, Copper Bonded Earth Electrode with min 250 microns coating.
Earth strip	25 x 6 mm GI Strip
Cable Tray	HDPE DWC UV Protected Conduits for DC Cables, GI Cable, Tray for AC Cables
AC Cables	Inverter to ACDB: Copper cable. ACDB to Spare Feeder: Aluminum armoured XLPE cable. Spare Feeder to Client Panel: Aluminum armoured XLPE cable. Overall AC losses (cable + termination) shall not exceed 2%
AC Junction Box	MCCB: Thermal Magnetic Type Powder coating done with 7 -Tank Process. RAL 7035 colour with overload, short circuit, earth leakage protections.
AC Termination	Glands: Double compression weatherproof glands from Comet/ Dowells/ COSMOS Lugs: Aluminum/ Copper Lugs – Ring / Pin type
Water Pipeline	B Grade GI Pipes & fittings up to 1 inch on ridge line and branches of up to 0.75 inch, both based on the requirement.
Water Pump	1 hp (1 Units) hp-Booster Pump on each building
Project Compliance	Approved FQP compliance to be adhered to w.r.t. quality of project installation.
Lightening arrestors	ESE-type IS 3043 compliant copper-bonded/ stainless steel rod
Fire extinguisher	The type and number of fire extinguishers must be suitable for the nature of the fire hazard (e.g., CO2 or dry chemical extinguishers for electrical fires)



PART E – Execution & Contractual Terms

- i. All terms and conditions, payments schedules, delivery schedule, expected service levels as per this RFP will remain unchanged unless explicitly communicated by the Purchaser in writing to the bidder. The Purchaser will not be responsible for any judgments made by the bidder with respect to any aspect of the Service. The bidder shall at no point be entitled to excuse themselves from any claims by the Purchaser whatsoever for their deviations in confirming to the terms and conditions, payments schedules, expected service levels etc. as mentioned in this RFP document.
- ii. Time allowed for carrying out the work as mentioned in the Purchase order/ LOI (as per technical bid/ RFP terms, whichever is lower) shall be strictly adhered to by the Bidder.
- iii. This RFP document may undergo change by either additions or deletions or modifications before the actual award of the contract by the Purchaser. The Purchaser also reserves the right to change any terms and conditions including eligibility criteria of the RFP document and its subsequent addendums as it deems necessary at its sole discretion without any reasoning or justification.
- iv. The tender price quoted by a bidder shall be kept strictly confidential and shall not be divulged to any other party even approximately before the time limit for submission of bid. The only exception can be for obtaining an insurance quotation, for which the bidder may give to their insurance company or agent any essential information they ask for, and should be done in strict confidence. No information about other's tender price should be obtained and no arrangement with anyone else should be made whether or not they submit the tender.
- v. The Bid amount shall be inclusive of all charges for clearing of site before commencement as well as after completion. Water and electricity during the execution of the project required shall be provided by the Purchaser at single point. The working time shall be 9 am to 6 pm daily. Any obstruction in the stated hours due to whatsoever reason shall be compensated via additional buffer in the proposed project timeline.
- vi. In case of any discrepancy in the technical specification or services between different sections of this RFP, the stringent one is to be considered offered and supplied.

15. Project Schedule & Completion Terms

- i. **Time for Completion:** Time is of the essence of this contract and is to be strictly observed by the Bidder. The entire work, including design, supply, erection, testing, and commissioning, shall be recommended, completed within 120 (one hundred and twenty) calendar days from the date of issue of the Work Order, till the commissioning of the plant. If required under the



contract or as directed by the Solar Consultant, the Bidder shall complete certain portions of the works (such as design approval, material inspection, or partial erection) before the final completion date.

- ii. The work shall not be considered as completed until the Purchaser has certified in writing that they have been completed.
- iii. The Purchaser shall normally issue to the Bidder the completion certificate within one week after receiving, an application thereof from the Bidder and after verifying from the completion documents and satisfying himself that the work has been completed in accordance with and as set out in the construction and erection drawing and contract documents.
- iv. No certificate shall be given nor shall the work be deemed to have been completed until all scaffolding, surplus materials and rubbish is cleared of the site completely. The work will not be considered as complete and taken over by the Purchaser until all the temporary works, labour etc., are removed.
- v. If the Bidder fails to comply with the requirements of this clause on or before the date fixed for the completion of the work, the Purchaser may at the expenses of the Bidder remove such scaffolding, surplus materials and rubbish and dispose of the same as he thinks fit and clean up the site and the Bidder shall forthwith pay the Purchaser for all expenses so incurred and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except of any sum actually realized by the sale thereof.
 - i. **Project Completion report and drawings:** After the work is completed, it shall be ensured that the installation is tested and commissioned. All the test/ calibration certificates, detailed operation and maintenance manual (2 sets) shall be submitted to the Purchaser along with handing over of the System. The bidder must submit a project completion report at the time of handing over the Plant.
 - ii. The bidder shall also submit two sets of "As – Built" drawings to the Purchaser along with handing over the Plant. It should contain the Salient features of the System, detailed write up, equipment specification details, model, makes, name plate details, details of accessories, date of installation/ commissioning, Power distribution details, equipment layouts, cables/ Panel details, layout of the entire System executed, GA, single line, schematic diagrams, all factory test reports, Pre commissioning test reports, maintenance and operation details of the System/ machineries, drawings, BOQ as executed with each item, its rate, amount, total cost etc.
 - iii. One set of A4 size booklet printed in laser jet printer as hard copy. It shall also include colored photographs/ catalogues of the equipment/ Panels/ System etc.
 - iv. One Hard Disk drive containing the soft copy of the drawings, write ups etc.



- v. All the wiring diagrams of the respective Panels, inverter/ control circuits, etc., shall be neatly printed and laminated and to be provided inside the Panels for proper maintenance.
- vi. The Bidder shall also prepare a Standard Operating Procedure (SOP) for the operation and maintenance of the PV Plant. The SOP shall take into consideration the manufacturer's instructions/ recommendations and preventive maintenance requirements for their respective products.

16. Liquidated damages for the delay:

If the Contractor fails to complete the task within the time provided in the tender, he shall be liable to pay liquidated damages @ 0.5% of the contract price per week up, to a max. of 10 % of contract value. Any Deviations than the RFP to be enclosed with bid.

EMD and Performance Security Deposit:

- i. Earnest Money Deposit: The tenderer shall furnish EMD of Rs. 3,50,000/- (Rupees Three Lakh fifty thousand Only) in the form of Demand draft drawn in favour of IBG MARIGOLD Co-operative Housing Society Ltd, on any Nationalized Bank payable at Panvel, Raigad. No tender shall be considered valid unless the EMD is submitted in the required form. No interest shall be paid on this EMD. The EMD of the unsuccessful tenderer shall be refunded soon after the decision to award the contract is made, without interest.
- ii. The EMD shall stand absolutely forfeited if
 - a. the contractor fails to enter into formal agreement after selection or fails to pay the Initial security deposit as stipulated or fails to commence or completes work within the stipulated time,
 - b. If the selected bidder fails to execute agreement in prescribed format and furnish the Security Deposit within the prescribed time.
 - c. Bidders shall furnish mandatory bank transfer details in the prescribed annexure for EMD refund processing.
- iii. Performance Security Deposit:
 - a. The amount of Performance Bank Guarantee shall be 10% of accepted value of P.O. (Project cost) in the form of Bank Guarantee/ Demand Draft/ Pay order/ Bankers Cheque drawn on any Nationalized Bank or Scheduled Bank payable at Panvel, Raigad and shall be deposited within 14 business days from the date of issuance of LOI.
 - b. The entire Performance Security Deposit will be refunded without interest after completion of OPEX period the same will remain deposited for entire tenure of



the contract wherein the bidder shall be required to submit a renewed PBG 1 month prior to the expiry of the existing PBG, in the circumstances the renewal is not submitted within the stipulated time the PBG shall stand forfeited in favor of the purchaser.

- c. The Release of PBG security deposit is dependent upon the contractor's satisfactorily attending to all defects during defect liability period in accordance with the conditions of contract including site clearance and the defects pointed out by committee. No interest is payable on security deposit.

17. Warranties & Performance Ratio Guarantees

- i. The Bidder claims and represents that it has obtained appropriate rights to provide/ use the Deliverables & Works upon the terms & conditions of this RFP.
- ii. The Bidder represents and warrants that they shall be responsible at their own cost for obtaining all necessary authorizations and consents from third party licensors of Plant used by Bidder in performing its obligations under this Project.
- iii. If a third party's claim endangers or disrupts the Purchaser's right to use the system provided by the Bidder shall at no further expense, fees or cost to the Purchaser obtain a license so that the Purchaser may continue use of the Deliverables as per this RFP.
- iv. Bidder shall indemnify the Purchaser and keep it fully and effectively indemnified from all legal actions, claims, or damages from third parties arising out of use of software, designs or processes used by Bidder or with respect to any other services rendered under this RFP. Change in law after placement of PO shall not constitute such claims.
- v. Following shall be the minimum warranty periods to be offered by bidder for the respective product:

Module	12 Years for Manufacturing Defect quality 30 Years for Performance -
Inverter	Inverter - 12 Years, Optimizer -25 Years
Structures	5 Years + 5 Years extended warranty
Balance of Systems	For a period of five (5) years or until completion of the OPEX tenure.

- vi. In the event that any Solar PV module, inverter, or other system component becomes ineligible for manufacturer warranty coverage due to installation defects, improper workmanship, non-compliance with manufacturer installation guidelines, failure to follow prescribed protocols, or any act or omission attributable to the EPC Contractor, the EPC



Contractor shall, at its own cost and risk, promptly repair or replace the affected component with an equivalent or better component meeting the specified technical requirements.

- vii. Where replacement is not feasible or mutually agreed upon, the EPC Contractor shall compensate the Society for the resulting loss, including the cost of replacement and associated losses, as may be determined through mutual discussion and documented agreement between the Society and the EPC Contractor. Such liability shall survive the expiry of the EPC Contractor's workmanship warranty and shall not be limited by the manufacturer's refusal of warranty claims arising from EPC-related deficiencies.
- viii. Performance ratio warranty: "Performance Ratio" (PR) means the ratio of plant output versus installed plant capacity at any instance with respect to the radiation measured. In addition to the PR value for project start-up performance tests, "Engineering, Procurement & Construction" (EPC) is required to submit long term PR values along with the techno-commercial bid. Plant performance evaluation during the defect's liability and O&M period of five years shall be one of the key criteria for evaluation of bidders.
- ix. Guaranteed performance values provided by the Bidder shall comply with:
Solar GIS/ NASA/ Meteonorm software for solar resource data and PVSYST 6.68 or a higher version for simulation of energy yields & PR values for 25 years considering module/ panel degradation value. PR values as obtained shall include all AC losses up to the point of utility metering.
- x. The first performance test shall be conducted immediately after 7 days of physical acceptance of the plant. Subsequent PR comparisons will be made from the data logger's data obtained based on real time measurement.
- xi. Bidder must commit an absolute PR value within tolerance limits defined in IEC standards. No deviation will be allowed to the absolute PR value committed.
- xii. Committed PR value: Minimum 75 %.

18. COMPREHENSIVE AMC/ OPERATION AND MAINTENANCE

a. GENERAL

The scope of work stipulates bidders to provide operations and maintenance (O&M) for five years tenure from date of commissioning

The scope of O&M shall be as detailed but not limited to below:

- i. Regular O&M of the plant as well as the evacuation infrastructure/ infrastructure for interconnection with the electricity distribution system. Bidder shall be responsible for operating the plant at the performance indices mentioned by the bidder in their technical offer.
- ii. For 5 Years trouble free O&M scope shall include all PV plant components including spares



and consumables as required for successful continuous operation of the plant up to and including point of interconnection and metering.

- iii. The list of spares and consumables to be enclosed with the bid.**
- iv.** O&M shall include wet cleaning methods (cleaning with water). The bidder shall provide a detailed write up on the adhered standard operating procedure (SOP). The Purchaser/User shall provide water at one source, further distribution will be as per vendor scope for the purpose of wet cleaning.
- v.** Only soft nylon-bristle brush shall be used for wet cleaning. The operation & maintenance of the plant would include any repair/ replacement due to wear & tear, overhauling, machine breakdown, defective modules/ invertors/ PCUs, consumables & all other parts for a period of five years.
- vi.** Monitoring of plant performance and supply of all technical, production/ operation data and information through a monthly report. Periodical monthly down time analysis data shall be made available to the Purchaser periodically/ monthly.
- vii.** Undertake inspection of the meter towards faultiness at regular intervals, report to the concerned department and replace the meter with a meter of similar specification complying with the requirements of Central Electricity Authority/ DISCOM.
- viii.** The bidder shall replace any faulty product/ component with the same or upgraded make and model as installed in the plant available at the concerned point in time. In case the OEM has upgraded to new model, the same to be used after approval of the Purchaser for ascertaining its technical features vis-à-vis the original product.
- ix.** Accommodation and Lodging services will not be provided by the Purchaser. The contractor has to arrange accommodation at his cost near site premises for better execution.
- x.** Provision of weather station and air quality monitoring at site, with periodic data inputs as required.
- xi.** Provision for DG Genset synchronization with the Solar PV system to ensure seamless integration and reliable power management.

b. TERMS OF OPERATION AND MAINTENANCE

The Bidder will be responsible for undertaking the O&M of the plant for five (5) years from the date of entering into the hand-over agreement of the plant to the Purchaser/User with a **commitment of at least 36 cleaning cycles per year (SPV Panels)** as per the agreed cleaning schedule.

c. ELECTRICITY GENERATION

The Bidder shall be solely responsible for the performance of the plant(s) and shall undertake all necessary work to ensure the output, performance and efficiency of solar PV plant as per bidder's



claim in technical bid/ the RFP conditions.

d. COMPLETION OF TERMS OF OPERATION AND MAINTENANCE CONTRACT

On completion of the five-year O&M term, the Bidder shall arrange for a transfer certificate of all equipment in Purchaser's name, which shall happen after the Purchaser gives a completion certificate and seeks approval from the Bidder. All the formalities shall be completed within one (1) month in all respects. After verifying from the documents & tests and satisfying himself that the Operation & Maintenance has been completed in accordance with details set out in the control documents & Prudent Utility Practices at end of 5 year's period, the CAMC shall be considered as closed.

19. PAYMENT TERMS (OPEX)

The payment will be released, within 15 business days of receipt of the valid documents, like Invoices etc.

TDS as per prevailing income tax rules will be deducted.

Bidder must show the bifurcation/details of GST (CGST/SGST/IGST) in every invoice.

All the payments will be made to the bidder through cheque in Indian Rupees only.

All running account payments shall be regarded as payments by way of advance against the final payment only and not as payments for work done and completed and accepted.

Bidder must accept the payment terms proposed by the Purchaser. The financial/ Price bid submitted by the Bidders must be in conformity with the payment terms proposed by the Purchaser. Any deviation from the proposed payment terms would not be accepted.

The Purchaser shall have the right to withhold any payment due to the Bidder, in case of delays or defaults on the part of the Bidder. Such withholding of payment shall not amount to a default on the part of the Purchaser. Comprehensive Operation & Maintenance Costs are included in the total project cost, for the overall project period (5 Years).

The Running payments for the work done shall be released by the Purchaser. The following documents as applicable shall be produced and self-attested photocopy shall be submitted by the Bidder during each running bills.

Delivery challan / copy of invoice of all the material supplied (if any).

Signed Test Certificate to confirm that the materials meet the Contract specification and relevant standard in all respects and authorized signature of the Purchaser.

Logbooks & Attendance Register.

20. CONFIDENTIALITY

- a. This RFP document is confidential and is not to be disclosed, reproduced, transmitted, or made available by the bidder to any other person other than their authorized team members involved in the bidding process. This RFP document is provided to the bidder based on the undertaking of confidentiality given by the bidder to the Purchaser. The Purchaser may



update or revise the RFP document or any part of it. The Recipient accepts that any such revised or amended document will be subject to the same confidentiality undertaking.

- b. Unauthorized disclosure of any such confidential information will amount to breach of contractual terms and in such cases the Purchaser may pre-maturely terminate the contract and initiate any legal action as deemed suitable.

21. REPRESENTATIONS AND WARRANTIES

- a. The Bidder claims and represents that it has obtained appropriate rights to provide/ use the Deliverables & Works upon the terms & conditions of this RFP.
- b. The Bidder represents and warrants that they shall be responsible at their own cost for obtaining all necessary authorizations and consents from third party licensors of Plant used by Bidder in performing its obligations under this Project.
- c. If a third party's claim endangers or disrupts the Purchaser's right to use the system provided by bidder, the Bidder shall at no further expense, fees or cost to the Purchaser obtain a license so that the Purchaser may continue use of the Deliverables as per this RFP.
- d. Bidder shall indemnify the Purchaser and keep it fully and effectively indemnified from all legal actions, claims, or damages from third parties arising out of use of software, designs or processes used by Bidder or with respect to any other services rendered under this RFP. Change in law after placement of PO shall not constitute such claims.

22. RESPONSIBILITY FOR COMPLETENESS

- a. Any supplies and services, which might not have been specifically mentioned in this RFP but, are necessary for the installation, Configuration, testing, commissioning, performance or completeness of the order, shall be provided/ made available as per the time schedule for smooth and efficient operation and maintenance of the system under Indian conditions.
- b. The bidder shall be responsible for any discrepancies, errors and omissions in the technical details submitted by them, irrespective of whether these have been approved, reviewed or otherwise, accepted by the Purchaser or not. The Bidder shall take all corrective measures arising out of discrepancies, errors and omissions in drawing and other information as mentioned above within the time schedule and without extra cost to the Purchaser.

23. FORCE MAJURE

- a. The Bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if any to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- b. For purposes of this Clause, "Force Majeure" means an event explicitly beyond the reasonable control of the Bidder and not involving the Bidder's fault or negligence and not foreseeable.



Such events may Include, Acts of God or of public enemy, acts of Government of India in their sovereign capacity and acts of war.

- c. If a Force Majeure situation arises, the Bidder shall promptly notify the Purchaser in writing of such conditions and the cause thereof within fifteen calendar days. Unless otherwise directed by the Purchaser in writing, the Bidder shall continue to perform Bidder's obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- d. In such a case, the time for performance shall be extended by a period (s) not less than duration of such delay and the impact that may be caused due to such event. If the duration of delay continues beyond a period of three months, the Purchaser and the Bidder shall hold consultations in an endeavor to find a solution to the problem.

24. Insurance and Indemnity

a. Insurance of plant

- i. The Bidder shall bear the responsibility to arrange marine transit and erection all risk insurance for entire contract period encompassing all the probable risks associated with the PV plant until commissioning. All the expenses in relation to such insurance of the project will have to be borne by the Bidder until commissioning (Including Labors and Staff).
- ii. Insurance of works and other perils –Without limiting its obligation and responsibility under the contract, the contractor shall insure in the joint names of the Purchaser and the contractor against all loss of damages from whatever cause arising other than the expected risks for which it is responsible under the terms of contract and in such manner that the Purchaser and contractor are covered for the period stipulated in General Conditions of Contract and are also covered during the period of maintenance for loss or damage arising from a cause occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the contractor in the course of any operations carried out by it for the purpose of complying with its obligation under this clause.
- iii. The works for the time being executed to the estimated current contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the works at their replacement value.
- iv. The construction plant & other things brought to the site by the contractor to the replacement value of such constructional plant and other things.
- v. Such insurances shall be effected with an insurer and in terms approved by the Purchaser which approval shall not be unreasonably withheld, and the contractor shall whenever



required produce to the Solar Consultant the policy if insurance and the receipts for payment of the premium.

- vi. Professional liability will be taken by bidder for the entire tenure of the contract, both the policies will be under the name of purchaser and contractor.
- vii. Third Party (Public damages) insurance will be taken by bidder for the entire tenure of the contract

b. Bidder to Indemnify the Purchaser

- i. The Bidder shall indemnify and keep indemnified the Purchaser, its members, officers, and representatives against all claims, proceedings, damages, losses, costs, charges, and expenses arising out of or in connection with the performance, non-performance, or defective performance of the contract, including any negligence, default, or breach of statutory/regulatory obligations by the Bidder, its employees, agents, or subcontractors.

c. Third Party Insurance

- i. Before commencing the execution of the work the bidder but without limiting its obligations and responsibilities under relevant clause of this conditions shall insure against its liability for any material or physical damage, loss, or injury which may occur to any property including that of the Purchaser, or to any person, including any employee of the Purchaser by or arising out of the execution of the works in carrying out the contract, otherwise that due to the matters referred to in the proviso to relevant clause thereof.
- ii. Minimum amount of Third Party Insurance: Such insurance shall be effect with an insurer and in terms approved by the IBG Marigold and for at least the amount stated below. The Contractor shall, whenever required, produce to the Solar Consultant the policy or policies of insurance cover and receipts for payment of the current premium.
- iii. The minimum insurance cover for physical property, injury and death is INR 20.0 lakhs per occurrence with no limit on the number of such accidents or occurrences. After such occurrence the Contractor shall pay additional premium necessary to make insurance valid for four occurrences always.

d. Accident of injury to workmen:

The Purchaser shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or any sub-contractor, resulting from any act.

Bidder Liability and Insurance Summary



Sl. No.	Nature and scope of Insurance risk policy of	Value of Insurance	Validity period	Name of the Insurer
	Loss of damage to works or any part thereof materials at site from any cause whatsoever and all	100% of the Contract Value	The policy must be valid till the expiry of defects liability period.	The policy should be in the joint name of the Purchaser and the Contractor.
	Damages, loss or injury to any property of the Purchaser, the Solar Consultant or any person including their servants.	100% of the Contract Value	The policy must be valid till the expiry of defects liability period.	The policy should be in the joint name of the Purchaser and the Contractor.
	Claims under the Workmen's Compensation Act 1923/ ESI/ EPF/ Labour charges	As per Gov. rules	The policy must be valid till the expiry of defects liability period.	The policy should be in the name of the Contractor covering all the deployed personals at the site.

25. Site Safety & Compliance

Protection of works and property

- The contractor shall continuously maintain adequate protection of all his work from damage and shall protect the Purchaser properties from injury or loss arising in connection with contract. The contractor shall make good any such damage, injury, or loss, except when caused by factors beyond his control.
- Bidder shall provide a centralized remote monitoring platform (web portal/app) with real-time visibility of generation data, performance metrics, and alarms, with the ability to view performance tower-wise or section-wise as per Society's requirement. Society must have secure access (user credentials) to monitor and download data independently
- Site visit arrangements to be arranged by the contractor at his costs which shall not be reimbursed by the purchaser.

PART F - CONTRACTUAL & LEGAL

27. Articles of Agreement (Refer Annexure IX)



28. NON-TRANSFERABLE OFFER

- i. This Request for Proposal (RFP) is not transferable. Only the bidder who has submitted the bid will be eligible for participation in the evaluation process and execute the entire order.



PART G Annexures –**Annexure I – Technical Configuration / Design Layout - Estimated 454 kWp DC / 405 kW AC**

Sr No	Location	Consumer No	Sanctioned Load	Inverter AC KW	Normal DC
1	BLDG NO, 8G1 LIFT TA	029842044357	53	27.6	28
2	BLDG NO, 8G1 STAIRCASE TA	029842044365	32	17	18
3	BLDG NO, 9C1 LIFT TA	029842044373	53	27.6	28
4	BLDG NO, 9C1 STAIRCASE TA	029842044381	32	17	18
5	BLDG NO, 10G LIFT TA	029842044390	53	27.6	28
6	BLDG NO, 10G STAIRCASE TA	29842044403	32	27.6	28
7	BLDG NO, 11F STAIRCASE TA	029842044411	32	17	18
8	BLDG NO, 11F LIFT TA	029842044420	70	27.6	28
9	BLDG NO, 17G1 COMMON AREA METER	029848026415	32	27.6	28
10	BLDG NO, 17G1 COMMON LIFT METER	29848026423	53	27.6	28
11	BLDG NO, 18E COMMON AREA METER	029848026407	32	17	18
12	BLDG NO, 18E COMMON LIFT METER	29848026440	70	27.6	28
13	BLDG NO, 19C1 COMMON AREA METER Staircase	029848026393	32	17	18
14	BLDG NO, 19C1 COMMON LIFT METER Lift	29848026431	53	27.6	28
15	SEC-4, NON-TOWER AREA, BLDG. NO. 19 C1	28584342171	49	33.3	36
16	SEC-4, NON-TOWER AREA, BLDG. NO-19 C1	028584342180	49	33.3	36
17	Sector-4 Plumbing System Kon	029842069848	38	33.3	36
Total				433	45



Annexure II – Scope of Supply and BOM

Scope of Supply and Bill of Material (BoM)					
Sr. No	Item	Parameter	Bidder	IBG Marigold CHS	Make/ Specifications/ Remarks
1.	Modules	Technology			
		Make			
		BIS Compliance			
		Annual degradation			
2.	Inverter	Technology			
		Make			
		Specific			
3.	Remote Monitoring				
4.	Structure	Type			
		Fasteners			
5.	DC Cables	Make			
		Specs			
		Compliance			
6.	DC Connectors	MC4			
7.	Communication Cable	Make			
		Specs			
8.	Earthing Cable	Make			
		Specs			
9.	Earthing System	Make			
		Specs			
10.	Earth strip	Make			
		Specs			
11.	Lightening Arrestors	Make			
		Specs			



12.	Cable Tray	Make			
		Specs			
13.	DC cable conduits	Make			
		Specs			
14.	AC Cables AC cable inverter to ACDB	Make			
		Specs			
15.	DC DB to Inverter cable	Make			
		Specs			
16.	AC cable ACDB to LT Junction Panel	Make			
		Specs			
17.	AC Junction Box	Switchgears			
		Type			
		Design			
		Protections			
		AC SPD-2			
		Enclosure			
		MFM			
		Int. Power cables			
18.	AC Termination	LEDs			
		Gland & Lug Make			
19.	Fire extinguisher equipment	Gland & Lug Specs			
		Make			
20.	Water Pipeline	Specs			
		Make			
21.	Water Pump	Make			
		Specs			
22.	Warranty	Solar PV Modules			
		Inverters			



		Structures			
		Balance of System			
23.	Approvals (CEIG Approvals/ Discom)	List of approvals			
24.	Load extension				
25.	Metering (Net metering and Generation metering)				
26.	Testing of meter and generation meter				
27.	Any Government/ Statutory Fees other than MSEDCL Net metering Charges				
28.	Spares and consumables				
29.	Safety lines				
30.	Walkways				
31.	Hand rail				
32.	Skylight mesh				
33.	All required equipment's and tools required for installation and commissioning (Including safety)				
34.	Module Cleaning System Sprinkler Based				
35.	CCTV cameras for over-viewing SPV's area/ CCTV Cameras During Installation				



36.	Internet connectivity				
37.	PV-DG Synchronization				
38.	Site clearance				
39.	Control Room				
40.	Water drainage				
41.	Transportation, Loading/ Unloading				
42.	Transit insurance				
43.	Labour Insurance During I & C				
44.	Shifting of any overhead cables/Dish TV Disc				
45.	Water & Electricity during Installation and Commissioning				
46.	Safe Storage Space				
47.	Plant Insurance				
48.	Operation & Maintenance				



Annexure 3 – Pre-Qualification requirements (PQR) documents

The Bidder should submit all documents, as mentioned below, to ascertain that the bidder is meeting all the PQR criteria. Incomplete submission of document may result in rejection of the offer of the bidder

PQR Criteria	Documents to be submitted	Inputs from RTS Integrator	Remarks
The Bidder must be a Corporate Body/ Public or Private Ltd company/ PSU.	Company Registration certificate/ certificate of incorporation, of the bidder		
At Least 20 number of employees currently on the payroll of the Bidder.	Any document like PF payment along with declaration by bidder on their letterhead and signed by MD/ Head of HR.		
Average yearly turnover of INR 10 crore for last 3 Financial Years with minimum 3 Crores in each year.	Turnover certificate signed by certified CA (audited financial reports for last 3 years).		
At least one number of SITC in G+20 (minimum) floors building out of which minimum one in Mumbai	Unpriced PO/ LOI copy of the projects and address/ contact detail of each such project.		
At least 20 number of projects installed by the Bidder under the MNRE DBT scheme and at least three in housing society.	Tabular list of such projects on company letterhead, duly signed by MD.		
At least 1000 KWp of cumulative installed capacity of Solar Photovoltaic (SPV) based grid connected power plants SITC by the Bidder under DISCOMs.	Tabular list of such projects on company letterhead, duly signed by MD.		
Experience in successfully completing minimum 2 projects each for at least 5 years AMC/ CAMC	Unpriced PO/ LOI copy of the projects and address/ Contact detail of each such project.		



contract of any installation above 200 KWp.			
Minimum 5 years of experience in SITC of Solar Photovoltaic based grid-connected power plants	Unpriced PO/ LOI copy prior to April-2025		

Annexure 4 - General Techno Commercial Information

Company Profile, having minimum following details							
1.	- Name of the firm - Registered Address: - Telephone: - E-Mail:						
2.	Whether Pvt. Ltd./Public Ltd./PSU (Certificate of registration to be enclosed)						
	- Year of establishment - Registration with Tax Authorities ✓ Income-tax (PAN) No ✓ GST No. ✓ EPF Regn. No. ✓ ESI Regn. No. (Copies of certificates of registration with relevant authorities to be enclosed)						
3.	Names of the Bankers with address & telephone numbers						
4.	Registration with Govt./ Public Sector/ Banks (certificates of Registration to be enclosed)						
	Name of the Organization				Year since empaneled		
5.	Give Details if at present involved in litigation in similar type of contracts:						
	Sr. no	Name of Project	Name of Employer	Nature of work	Work order dated	Date of completion of work	Value Rs.
6.	Details of civil suit, if any, that arose during execution of contract in the past 5 years.						
7.	Specify maximum valued single value project executed during the past 3 years						
8.	Details of work executed during the last 5 years						



Type of work	End user name	Nature of work (in brief)	Location	Value Rs.	Duration of work	Reason if work left incomplete or terminated
Note: Copies of work orders along with xerox copies of relevant TDS certificate, satisfactory Completion certificate from the Client shall be enclosed. Please note without the copies of Certificates, your application is liable to be rejected						
9. Details of projects in hand current installations						
Type of work	Work executed for (name of the institution / body)	Nature of work (in brief)	Location	Value Rs	Duration of work stipulated time	Present Stage of work
10.	Bidders shall provide complete technical data sheets for each equipment giving details of the specifications along with make/makes in their bid along with basic design of the power plant and power evacuation, synchronization along with protection equipment.					
11.	List of tools and tackles to be supplied by the bidder, shall be submitted to the Purchaser for approval of its specifications and make					
12.	Payback period calculation, as per below table					
	✓ Energy Generation (kWh/year)					
	✓ Unit Rate (Rs/kWh)					
	✓ Expected Annual Gains in INR Lacs					
	✓ Yearly cost of O&M					
	✓ Payback period in months					
	**Note: ROI detailed calculations shall be enclosed for both CAPEX and RESCO/Deferred CAPEX models.					
13.	Commitment towards engaging a Third-party Consultant for technical due diligence of the concerned grid-connected Solar Photovoltaic (SPV) project					



Annexure 5 - Price Bid Format – RESCO

Resco Model							
Sr. No.	Description	Unit	Year -1	Year -2	Year -3	Year -4	Year -5
1	Tariff for Solar Power Supply (first 5 years)	₹/kWh					
2	Minimum Annual Generation Guarantee	kWh/kWp/year					
3	Asset Transfer Price at end of 5 years	₹	0				
4	Early Buyback Price (if society opts before 5 years)	₹					
	-	-					
The Tariff must be include Insurance & 5 Years of operation and maintenance as per agreed SLA (PPA)							
Early Buyback Conditions (to be quoted by Developer)							
Depreciation Method : Developer to specify depreciation % per year (e.g., 20% straight line per year).							
Early Exit Formula :							
Buyback Price = Initial Asset Value – [Depreciation × Completed Years]							
Society to pay this if opting for ownership before 5 years.							
Notice Period : Society must give at least XX months prior written notice before early buyback.							
Transfer Scope : Includes all equipment, drawings, warranties, O&M manuals, licenses.							
No Penalty : Beyond quoted buyback price, no additional penalty or charges.							



Annexure 6 – Articles of Agreement

ARTICLES OF AGREEMENT (FORMAT)

Agreement for Design, Supply, Installation, Testing and Commissioning (including Net Metering & 5 Years Comprehensive Maintenance from 2nd year after Commissioning and acceptance) of Grid connected Rooftop Solar Power system of Estimated Cumulative capacity 450+ KWp in IBG MARIGOLD Co-operative Housing Society Ltd. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings 8G1,9C1,10G1,11F,17G1,18E,19C1. (On available space)

BETWEEN

IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD.,Panvel, Mumbai – 410221

AND

M/S.

DATE OF COMMENCEMENT :

DATE OF EXPIRY

“THIS AGREEMENT is made & executed at Mumbai on this ____ day of ____ 2025”.
BETWEEN ,Reg. Office:....., a limited company registered under the Company Registration Act with CIN Identification No. and having its Head office at herein after called the “Contractor” (which expression shall include the heirs, executors, Administrators, Legal representatives and permitted assigns along with its successors) of the one part and The IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD., a Housing Society registered under the Society’s Registration Act, 1860; (PNA No. _____) PAN :----- ; having it’s registered office at Indiabulls Greens Marigold Co-Operative Housing Society Limited Bldg.18E, Sector-4, New S.No 80/A/1/1,80/A/1/2, 80/A/1/3,Kon, Post Ajivali, Taluka Panvel, District Raigad 410221; herein after called “Purchaser” (which expression shall unless it be repugnant to the context or meaning thereof, be deemed to mean and include its legal representatives and permitted assigns) of the other part.

Whereas the Purchaser has floated RFP videdated

hereinafter called as “said tender document” with following details as:

Date of Issue:

Last date of submission:

Date of Pre Bid Meeting:



Date of Opening of Technical Bid:

for the work of “Design, Supply, Installation, Testing and Commissioning (including Net Metering & 5 Years Comprehensive Maintenance from 2nd year after Commissioning and Acceptance) of Grid connected Rooftop Solar Power system of Estimated capacity 450+ KWp in Purchaser’s premises. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings 8G1,9C1,10G1,11F,17G1,18E,19C1, Sector-4 (On available space), herein after called as “said work”. In response, among the technically qualified bidders, M/s is qualified as bidder based on acceptance of schedule of prices (your letter. No date) for the said works. The said tender documents are part of this agreement and is attached as Annexures

The Society has approved the rate contract for Design, Supply, Installation, Testing and Commissioning (including Net Metering & 5 Years Comprehensive Maintenance after Commissioning and Acceptance) of Grid connected Rooftop Solar Power system of Estimated capacity 450 KWp in Purchaser’s premises. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings 8G1,9C1,10G1,11F,17G1,18E,19C1, Sector-4 (On available space) at lowest rates (L1) on the terms & conditions mentioned in tender document duly accepted by you.

WHEREAS

The Purchaser is desirous of availing services for supply, installation & commissioning of Solar Grid connected Roof Top System, Comprehensive maintenance contract at lowest rate (L1),

The Contractor is in the business of providing the above services and has agreed to provide the services as may be required by the Purchaser mentioned in the said tender document at Purchaser approved rates and the same shall be part of this Agreement.

NOW THEREFORE, in consideration of the mutual covenants, undertakings and conditions set forth below, and for other valid consideration the acceptability and sufficiency of which are hereby acknowledged, the Parties hereby agree to the following terms and conditions hereinafter contained: -

Now it is agreed by and between the parties as follows: -

1. THE CONTRACTOR will engage/ employ persons having high integrity & good character. THE CONTRACTOR shall ensure that their conduct will be in order and shall not commit any crime or fraud or shall not violate any laws while discharging their duty.
2. THE CONTRACTOR will ensure that its employees will not disclose any information/ papers about THE PURCHASER to any outsider and observe strict confidentiality.
3. If it is revealed that any of its employees are engaged in breach of confidentiality, THE PURCHASER will have recourse to recover appropriate damages from THE CONTRACTOR besides termination of contract if felt necessary at the discretion of THE PURCHASER.
4. “Indemnity”:
 - a) THE CONTRACTOR shall indemnify and always keep, THE PURCHASER Indemnified against all the losses or damages that would occur on account acts or commission or omission or negligence by the employees of THE CONTRACTOR to



- THE PURCHASER or its property.
- b) Such losses or damages by whatever name called is to be made good by THE CONTRACTOR as per decision of THE PURCHASER. THE CONTRACTOR will defend THE PURCHASER for any loss or other liability from third party on account any act of commission or omission or negligence or part of THE CONTRACTOR or any of its employees.”
- c) THE PURCHASER is entitled to recover any loss or damage that would occur on account of acts of commission or omission or negligence by the employees of THE CONTRACTOR to THE PURCHASER or its property.
5. THE CONTRACTOR will not appoint in sub agency to carry out work assigned to them under this agreement.
 6. The period of rate contract is for one year from the date of execution of contract agreement. However, IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD may continue for further six months on same rates with same terms & conditions based on satisfactory performance of THE CONTRACTOR. The decision of IBG MARIGOLD CO-OPERATIVE HOUSING SOCIETY LTD.in this regard shall be final & unwinding.
 7. The Purchase/ Work order for Design, Supply, Installation, Testing and Commissioning (including Net Metering & 5 Years Comprehensive Maintenance) of Grid connected Rooftop Solar Power system of estimated capacity 450 KWp in Purchaser’s premises. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings 8G1,9C1,10G1,11F,17G1,18E,19C1, Sector-4 (On available space).
 8. The payment shall be made according to the terms and conditions mentioned in the tender document.
 9. The rates shall be all inclusive and cover the cost of all materials, transportation, all types of duties, royalties, erection, construction, tools and tackles, plant and equipment, supervision, overheads, profit, all taxes including GST and any other expenditure incurred for completion of work as per drawings and specifications.
 10. THE CONTRACTOR shall ensure that services are being rendered
 11. THE CONTRACTOR shall ensure that the Scope of Work & General Minimum Standards, Specification for Grid Connected Solar Roof Top system shall comply guidelines of Tender document.
 12. All works shall conform in all respects to high standards of engineering, design and workmanship and shall fulfill the anticipated performance during the expected life of the system.
 13. Break-down Services (BDS): THE CONTRACTOR shall ensure & comply Service line agreement of tender document.
 14. THE CONTRACTOR shall provide 5 years onsite warranty and 5 years Comprehensive Maintenance Contract (CMC from 2nd year after Commissioning and Acceptance) of all supplied, installed and commissioned equipment as per Service Level Agreement (SLA). Safety norms shall be followed & THE CONTRACTOR will be accountable for safety violations. A Supply/ maintenance/ replacement schedule mutually agreed upon will be prepared by Purchaser.
 15. Safety Violation: THE CONTRACTOR shall be responsible for the safety of persons employed by him on the works and shall report serious accidents to any of them, however and wherever occurring on the works, to the Employer and Owner who shall make every



arrangement to render all possible assistance. This shall be without prejudice to the responsibility of THE CONTRACTOR under the Insurance Clause of the General Conditions.

16. THE CONTRACTOR shall maintain services log book/ file containing copy of the Job duly signed by the users and countersigned by signing authorities of Purchaser.
17. Guarantees/ under warranty: THE CONTRACTOR must guarantee the system/ equipment/ materials/ supplied against faulty design/ material/ components/ workmanship giving rise to breakdowns/ under efficiency, increase in power consumption/ reworks/ replacements etc. Comprehensive onsite warranty should be valid for a period of Five years from the date of handing over, irrespective of the date of deliveries shall be provided by THE CONTRACTOR. Failure to make-up the breakdowns for during the guarantee period shall automatically attract invocation of the Bank Guarantee/ or seizure of retention money.
18. Termination of Contract: However, continued non-performance and inability to meet service requirements shall be viewed seriously & the agreement at any time giving thirty (30) days prior written notice to THE CONTRACTOR, may be terminated by THE PURCHASER.
19. "If, THE CONTRACTOR breaches its obligations or terms & conditions this agreement and if the breach is not cured within 15 days from the date of notice or if the service provider".
 - a) has a winding up order made against it; or
 - b) has a receiver appointed over all or substantial assets; or
 - c) is or becomes unable to pay its debts as they become due; or
 - d) enters into any agreement or composition with or for the benefit of its creditors; or
 - e) passes a resolution for its voluntary winding up or dissolution or if it is dissolved.Force Majeure incident continues more than 30 days the contract may be terminated by THE PURCHASER.
20. Any liability arising on THE PURCHASER, shall be deducted from the bill of the Contractor and if the full amount is not recovered then the same shall be recovered from the performance security deposit of THE CONTRACTOR. There would be no liabilities towards the workers of THE CONTRACTOR by THE PURCHASER.
21. In the event of THE CONTRACTOR failing to execute the work under contract in whole or in part an alternative arrangement will be made by THE PURCHASER at the risk and cost of THE CONTRACTOR besides any suitable fine/ penalty as deemed fit by THE PURCHASER.
22. THE CONTRACTOR shall personally be responsible for the conduct of his staff and in case of any complaint against any staff; THE CONTRACTOR will be under obligation to change the worker when instructed by representatives of THE PURCHASER.
23. THE CONTRACTOR shall observe all the laws and will be responsible for any prosecution or liability arising from breach of any of those laws. THE PURCHASER will not hold any responsibility with regard to staff on the role of the contractor what so ever.
24. Performance Security Deposit: - A Performance security deposit of amount 10% (TEN percent on Total order value) shall be submitted by the CONTRACTOR. The same will be kept in the form of Bank Guarantee in name of THE PURCHASER at Mumbai. The security deposit shall be forfeited as a compensation for any loss resulting from the failure to perform the obligations under the contract or in the event of termination of the



- contract or in any event, which THE PURCHASER thinks fit and proper.
25. Defect Liability and Retention amount: The defect liability period for the work shall be for period of 24 months from the completion of work (“Installation & Commissioning”). Retention of 10 % of final bill amount which shall be interest free will be retained as security deposit for the period of 12 months and same will be released after completion of defect liability period.
 26. Liquidated damages for the delay: If THE CONTRACTOR fails to complete the task within the time provided in the tender, he shall be liable to pay liquidated damages @ 0.5% of the contract price per week up, to a max. of 10% of contract value. THE CONTRACTOR shall strictly comply the General terms and conditions of contract of said tender document for Insurance of work & Insurance against accident/ death etc. to workmen.
 27. Applicable Laws & Jurisdiction: “This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the courts at Pune shall have exclusive jurisdiction over matters arising out of or relating to this Agreement”.
 28. Severability: If any of the provisions of this Agreement may be construed in more than one way, one of which would render the provision illegal or otherwise voidable or enforceable, such provision shall have the meaning that renders it valid and enforceable. In the event any court or other government authority shall determine any provisions in this Agreement is not amended so that it is enforceable to the fullest extent permissible under the laws and public policies of the jurisdiction in which enforcement is sought and affords the parties the same basic rights and obligations and has the same economic effect as prior to amendment. In the event that any of the provisions of this Agreement shall be found to be void, but would be valid if some part thereof was deleted or the scope, period or area of application were reduced, then such provision shall apply with the deletion of such words or such reduction of scope, period or area of application as may be required to make such provisions valid and effective, provided however, that on the revocation, removal or diminution of the law or provisions, as the case may be, by virtue of which such provisions contained in this Agreement were limited as provided herein above, the original provisions would stand renewed and be effective to their original extent, as if they had not been limited by the law or provisions revoked. Notwithstanding the limitation of this provision by any law for the time being in force, the Parties undertake to, at all times observe and be bound by the spirit of this Agreement.
 29. Non-Disclosure Agreement:
It is hereby agreed that THE CONTRACTOR in this agreement hereby agree as follows.
 - a) THE CONTRACTOR shall hold all information about this Agreement as well as tender document and/ or information gathered about THE PURCHASER through this process in strict confidence with the same degree of care with which THE CONTRACTOR protects its own confidential and proprietary information. THE CONTRACTOR shall restrict disclosure of the information solely to its employees, agents and Sub-contractors on a need to know basis advise those persons of their obligations hereunder with respect to such Information.
 - b) To use the information only as needed for the purpose solely related for the purpose of this Agreement.
 - c) Except for the purpose of execution of this Agreement, not disclose or otherwise provide such information or knowingly allow anyone else to disclose or otherwise



- provide such information.
- d) Any information considered sensitive must be protected by THE CONTRACTOR from unauthorized disclosure or access.
 - e) Any information, Photographs, Floor plan relating to the Interior/ details of THE PURCHASER's premises.
 - f) THE PURCHASER's premises must be protected by THE CONTRACTOR from unauthorized disclosure or access.
30. THE PURCHASER shall have the authority to reject full or any part of the Service Providers/ THE CONTRACTOR contract, which is not confirming to the specifications and complying terms and conditions of tender document. No payment shall be made for unsatisfactory service(s).
31. The Work should be carried out strictly as per standard operating procedure and as per Tender terms & conditions of the tender document & THE PURCHASER guidelines issued from time to time.
32. No payment shall be paid for any substandard quality.
33. Necessary TDS as applicable will be deducted from the bill. It is requested to sign a duplicate copy of this work order as token of acceptance and return back the same to our office.
34. THE PURCHASER reserves the right to cancel the empanelment at any time without assigning any reason, whatsoever.
35. THE PURCHASER may conduct third party inspection of the goods supplied by THE CONTRACTOR at any point of time, to ascertain technical specifications, at THE CONTRACTOR's cost. In case, it is found that they do not conform to the technical specification approved by THE PURCHASER, then legal actions as deemed fit will be taken by THE PURCHASER.
36. Apart from the above THE CONTRACTOR has to execute a separate Integrity pact as per format provided in said tender document.

IN WITNESS WHEREOF the parties hereto have set their hands on the day and date first hereinabove mentioned.

Signed by

For IBG Marigold.

For - M/s.

(Authorized Signatory)

Witness

From THE PURCHASER

From THE CONTRACTOR

1)

1)

2)

2)



Annexure 7 - Various Bidder Declaration Forms to be filled on Company letter head
DECLARATION BY THE BIDDER

This is to certify that I/ We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ ourselves to abide by them.

Enclosures:

1. DD/Pay Order NO.....
2. Technical/ Techno-Commercial Bid (each page and Annexure documents are signed & stamped with the seal)
3. Price/ Financial Bid. (Signature of Bidder with seal) Name: Address: Date:

Date:
Stamp

Signature of Bidder

NOTE: Submission of all the documents mentioned above along with declaration, is mandatory. Non submission of any of the documents above will render the bid to be rejected. Also, non-adhering of any of the terms and conditions of will render the bid to be rejected.

CERTIFICATE/ UNDERTAKING OF SITE VISIT BY BIDDER

(On Bidder's letter Head)

- a) Certified that I/ we have visited the site on _____ and assessed the nature and amount of work involved before submitting our offer. We will be able to execute the work within the available site condition.
- b) I undertake that I/ we have visited the site, and noted & studied the site feasibilities for installing the said Grid Connected Solar Roof Top Power Plant
- c) Manpower & Materials supplied by us will be suitable for in the existing location/ condition with sufficient space all around. No extra cost will be claimed by us later for any difficulties/ modifications involved for total execution of all the works mentioned in the tender. I also understand that the work is required to be completed on priority basis, as such we are ready to work on daily 8 hour basis with suitable size of workforce subject to availability of space.



(Signature of Bidder):

(NAME):

(SEAL):

Note: Contractor shall visit the site with prior approval. The contact number to inform prior to visit of site is – Mobile/Phone Number

**FORMAT OF UNDERTAKING, TO BE FURNISHED IN COMPANY LETTER HEAD
WITH REGARD TO BLACKLISTING/ NON-DEBARMENT, BY ORGANIZATION**

UNDERTAKING REGARDING BLACKLISTING/ NON-DEBARMENT

To,
The Chairman,
IBG Marigold Co-op Housing Society,
New S.No. 80/A/1/1,2,3,4
Kon,Post- Ajivali, Taluka -Panvel
Raigad , Maharashtra-410221

We hereby confirm and declare that we, M/s----- are not blacklisted/
De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/
or any other agency for which we have executed/ undertaken the works/ services during the last 05
years. If this declaration is found to be incorrect then without prejudice to any other action that may
be taken, my/ our security amount may be forfeited in full and the tender if any to the extent accepted
may be cancelled.

Thanking you,
Yours faithfully,

Signature

Date

Name

Place



Seal of the organization

Note: All information to be filled and hard copies to be submitted

FORMAT FOR NET MINIMUM GUARANTEE GENERATION (NMGG)

1. We hereby provide Net Minimum Guarantee Generation (NMGG) for the work of “Design, Supply, Installation, Testing and Commissioning (Including Net Metering & 5 Years Comprehensive Maintenance from 2nd year after Commissioning & Acceptance) of Grid Connected Rooftop Solar Power System of Estimated Capacity 450+ KWp In Indiabulls Greens Marigolds Co-Operative Housing Society Limited Bldg. 8G1,9C1,10G1,11F,17G1,18E,19C1, Sector-4, New S.No 80/A/1/1,80/A/1/2, 80/A/1/3,Kon, Post Ajivali, Taluka Panvel, District Raigad 410221”. The solar plant is to be installed above the overhead water tanks and terrace areas of Buildings 8G1,9C1,10G1,11F,17G1,18E,19C1, carried out by us as per our Bill No. _____ dated _____. Should, however, due to any unforeseen defect left out in our work at the times of execution there be any _____ during the period of _____ Years from the date of its completion i.e., from _____, it shall be rectified by us without any extra cost to the Purchaser.
2. We assure and confirm about NMGG per annum after considering proposed configuration and all local conditions, solar insolation, wind speed and direction, air temperature & relative humidity, barometric pressure, rainfall, sunshine duration, grid availability and grid related all other factors and losses due to near shading, incidence angle modifier, irradiance level, temperature loss, array loss, Module quality loss, Module array mismatch loss, and various inverter losses etc. after going through tender document and site visit.
3. We confirm Net minimum guarantee generation (NMGG) per annum as per schedule and minimum guaranteed generation will be _____ kWh per annum (for first year). From the second year upon the start of CMC there shall only be technical losses in the systems as per IS/ IEC/ industry standard applicable to Maharashtra region.
4. We shall be responsible for achieving NMGG. For any shortfall in the net minimum guaranteed generation corresponding to the offer, IBG Marigold can recover in form of the compensation from the M/s _____ on yearly basis.
5. We assure to maintain the Solar Plant equipment(s) including its repair, replacement etc. under Comprehensive Maintenance Contract (CMC) as per quoted amount so as to give the agreed NMGG per year, for which the Purchaser shall pay the agreed CMC amount year wise after completion of defect liability period of 12 months and no other charge/ cost is payable by the Purchaser. There will be no relaxation in NMGG. However, we will be allowed to relocate the solar modules and install at different places at their own cost ensuring guaranteed net minimum generation. The entire cost including dismantling and re-erection, etc, will be borne by us. To ensure NMGG, we will be allowed to erect additional number of solar modules without extra cost at site under approval of the Purchaser.
6. In case of shortfall in aforesaid quoted NMGG during period of defect liability and 5 years of



CMC, the Purchaser can recover amount in form of compensation from the date of commissioning and after completing the particular said period. Amount of compensation shall be decided by the Purchaser & same shall be agreed by us. However, NMGG will be worked out for every year. We will be liable to pay compensation or compensation shall be recovered from any payment due to us/ B.G. The benefit of excess generation in any year of block shall be considered to compensate the shortfall in generation in other year of the block. In case there is shortfall for two consecutive years, then compensation as penalty to be calculated on year to year basis and to be charged based on average tariff (Rs. / kWh) per annum as decided by the Maharashtra State Electricity Distribution Co. Ltd from time to time.

7. The NMGG will be for the Solar power plant for a period of 12 (Twelve) months from the date of commissioning & acceptance of solar plant & 60 (sixty) months thereafter during O&M contract. Any damage or defect that may arise or lie undiscovered at the time of issue of completion certificate, connected in any way with the equipment or materials supplied by us or in the workmanship, shall be rectified or replaced by the us at our own expenses as deemed necessary by the Purchaser.
8. Net minimum guarantee generation (NMGG) are deemed to have been a part of the contract.

(Name of Contractor)

Signed and Stamped

POWER OF ATTORNEY

(On bidders letter head)

(a) Power of Attorney to be provided by the Bidding Company in favour of its representative as evidence of authorized signatory's authority. Know all men by these presents, We..... (name and address of the registered office of the Bidding Company as applicable)..... do hereby constitute, appoint and authorize Mr./Ms. (name & residential address)..... who is presently employed with us and holding the position of..... as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for IMPLEMENTATION OF GRID CONNECTED ROOF TOP SOLAR PV SCHEME (CAPEX/OPEX) on behalf of IBG Marigold including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the IBG Marigold may require us to submit.

(b) We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.



(c) All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFS.

Signed by the within named (Insert the name of the executants company).....through the hand of Mr. duly authorized by the Board (vide Board resolution No.....) to issue such Power of Attorney.

Dated this day of Accepted

.....

Signature of Attorney

(Name, designation and address of the Attorney)

Attested (Signature of the executant) (Name, designation

and address of the executant)

Signature and stamp of Notary of the place of execution

Common seal of has been affixed in my/our presence pursuant to Board of Director's Resolution dated

(Board of Director's Resolution is also enclosed)

WITNESS

(Signature)

Name.....

Designation

(Signature)

Name.....

Designation

