



JODHPUR VIDYUT VITRAN NIGAM LIMITED JODHPUR
TENDER DOCUMENT
FOR THE WORK OF DESIGN, SUPPLY, INSTALLATION,
COMMISSIONING
&
5 YEARS COMPREHENSIVE MAINTINANCE OF
“ WHITE LED (W-LED) BASED OFF-GRID
SOLAR HOME LIGHTING SYSTEMS”
FOR ELECTRIFICATION OF UE HHs in VILLAGES & DHANIES
UNDER
“SAUBHAGYA SCHEME”
IN
JODHPUR DISCOM.

NIT No: JDVVNL/SE(CSS)//Off-grid SPV HLS/SAUBHAGYA/TNTW-471

Note : Tender document cost : Rs. 29500/-(Inclusive of GST)

Jodhpur Vidyut Vitran Nigam Limited Jodhpur

Corporate Identification Number (CIN) – U40109RJ2000SGC015483

Office of the Superintending Engineer (CSS)

Regd. Office: New Power House, Jodhpur 342003

Phone No: 0291-2742335, Fax No: 0291-2745259

E-mail: secssjdvvnl@gmail.com

Website:- <http://energy.rajasthan.gov.in/JdVVNL>

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SECTION -A

GENERAL INSTRUCTIONS FOR TENDER SUBMISSION

Tender No: JDVVNL/ SE(CSS) /Off-grid SPV HLS/SAUBHAGYA/TNTW-471

This tender by JDVVNL is for the works of design, supply, installation, testing, commissioning and 5 Years comprehensive maintenance of stand alone off-grid SPV Home Lighting Systems in Rajasthan under “**SAUBHAGYA Scheme**”.

NOTE:

- (i) This document is not transferable.
- (ii) Though adequate care has been taken while preparing the tender documents, the Bidder shall satisfy himself /herself 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 7 days from the date of issue of the bid documents, it shall be considered that the bid document is complete in all respects and has been received by the Bidder.
- (iii) The Jodhpur Vidyut Vitran Nigam Limited (JDVVNL) may modify, amend or supplement this tender document in any form including Capacity Allocation.
- (iv) The selection of Bidders shall be carried out through e-procurement process only. Proposal/Bids are to be submitted online in electronic format on website **<http://eproc.rajasthan.gov.in>** as per tender document.
- (v) Please check JDVVNL website and Public Procurement portal addressed “**www.sppp.rajasthan.gov.in**” regularly for latest up-date after issue of this tender. All modifications/ amendments/clarifications/ information etc. shall be available on the website of JDVVNL **www.energy.rajasthan.gov.in/JdVVNL**, **<http://eproc.rajasthan.gov.in>** & **www.sppp.rajasthan.gov.in**.
- (vi) JDVVNL may at its discretion, extend the deadline for submission of the Proposals.

Brief schedule of Dates of Tender:

Programme & detail of work	Survey, Design, Supply, installation, Testing, Commissioning and 5 years comprehensive maintenance of WHITE LED BASED OFF-GRID SOLAR HOME LIGHTING SYSTEM UNDER SAUBHAGYA SCHEME for electrification of un electrified rural household of villages and Dhanis in different Districts of Jodhpur Discom under TNTW-471.
Work Area:	Domain of Jodhpur Discom
NIT No:	NIT No: JDVVNL/SE(CSS)/Off-grid SPV HLS/Saubhagya/TNTW-471.
Estimated Capacity of Project	14000 Nos. Systems (Tentative) {Quantity may increase/decrease, Discom reserve right to Lot wise quantity }
Estimated Project Cost:	Rs. 49.14 Crores.
Bid Security: (Note:-Bid security is 2% of Highest Lot value i.e. Rs 22.34 Cr)	2% of Rs. 22.34 Cr. i.e. Rs.44.69 lacs. * (* in case of SSI units please see the reference clause 3(v) of ITB
Date of downloading {The tender can be downloaded from website http://eproc.rajasthan.gov.in }	<u>05.10.2019 from 06:00 PM</u>
Last Date of online submission of Tender	<u>25.10.2019, 06:00 PM</u>
Date of submission of Envelope-1 at JDVVNL Head Office { in Hard Copy }	<u>25.10.2019, 06:00 PM</u>
Date of Opening of online Technical bid (Cover -1 & Cover-2)	<u>26.10.2019, 11:00 AM</u>
Date of opening of Financial bid of eligible bidders (cover-3)	Shall be intimated after evaluation of Technical bid.
Date of Completion of work.	As per Section -7 of tender document.
Cost of Tender:	Rs. 29500/- <u>(inclusive of GST)</u> in favour of payable at Sr. A.O.(CPC), JDVVNL, Jodhpur payable at Jodhpur.
e-proc Charges:	Rs.1180/- <u>(inclusive of GST)</u> in favour of MD, RISL, payable at Jaipur.

NOTE: Proposals are to be submitted online in electronic format on website **www.eproc.rajasthan.gov.in** with scanned copies of all required documents. Documents regarding BID SECURITY, Tender Fee and RISL Charges to be submitted in physical form as detailed in point No. 2 & 3 hereunder:

INSTRUCTIONS TO BIDDERS

1. The bidders are requested to submit their bids prior to last date of submission to avoid Non-submission of their bids up to prescribed date & time due to non-availability / hanging of website, at either ends, at last moment or any reason whatsoever. The last date of submission of bids will not be extended on such account.
2. The tender cost, Bid Security and e-tender processing fees of RISL, in Envelope-1(in Physical FORM), is to be deposited in Office of SE (CSS) JDVVNL, Jodhpur as per above time schedule. This is essential otherwise the Technical and financial bid in electronic form will not be opened of that bidder.
3. The bidder shall have to deposit Fee Documents and other documents as required in

Envelope-1: i.e.:

- i. The DD/Banker's Cheque only of prescribed tender cost Rs. 29500/- in favour of **Sr. A.O. (CPC) JDVVNL, Jodhpur. payable at Jodhpur,**
- ii. The DD/Banker's Cheque only of prescribed processing fee of Rs. 1180/- of RISL in favour of **The Managing Director, RajCOMP Info Services Ltd. (RISL), payable at Jaipur and**
- iii. Bid security 2.0 Percent (**as applicable**) by way of DD/Banker's Cheque/ in favour of **Sr. A.O. (CPC) JDVVNL, Jodhpur.payable at Jodhpur/ B.G. in favour of SE(CSS) JDVVNL,Jodhpur. The BG should be from Any Government bank and in case of private bank as enlisted below:-**

Sl. No.	Name of Banks
1	HDFC Bank Ltd.
2	Axis Bank Ltd.
3	Kotak Mahindra Bank Ltd.
4	Federal Bank Ltd.
5	Indusind Bank Ltd.
5	Development Credit Bank Ltd.
7	ING Vysya Bank Ltd.
8	Karnataka Bank Ltd.
9	Karur Vysya Bank Ltd.
10	Ratnakar Bank Ltd.
11	South Indian Bank Ltd.
12	Yes Bank Ltd.
13	ICICI Bank
14	IDFC Bank

Tender cost, Bid Security and e-tender processing fees of RISL, in Envelope-1, is to be deposited at Office of the SE (CSS) JDVVNL, Jodhpur **Upto 06:00 PM on 25-10-2019** and the scanned copy of proof of deposit be uploaded on eproc in cover-I.This is essential otherwise the bid in electronic form (Cover I, II & Cover III) will not be opened of that bidder.)

A Certificate of Registration under DIC's in Rajasthan should require to be submitted in proof of SSI unit of Rajasthan for getting benefit of exemption in BID SECURITY deposition.

- iv. The bid security shall, at the bidder's option, be in the form of a crossed bank draft/pay orders/bank guarantee in favour of Employer from a reputed **(i) Public Sector Bank located in India; or (ii) Scheduled Commercial Indian Private Bank as mentioned above at point 3.** Bid security shall remain valid for a period of thirty (30) days beyond the original bid validity period, and beyond any extension subsequently requested. In case of submission of the Bid Security in form of Bank Guarantee, bid security shall be submitted in standard format (Bid security form) provided at Annexure-19.

If the bidder submit the Bid Security in form of a crossed bank draft/pay orders it shall be in favour of Senior Accounts Officer (CPC), JDVVNL payable at Jodhpur, Rajasthan. If the bidders submit the Bid Security in form of a bank guarantee it shall be in favour of Superintending Engineer (CSS), JDVVNL, Jodhpur, Rajasthan.

The Bank Guarantee for bid security shall be executed on Rajasthan Non-Judicial Stamp Paper worth 0.25% of BG value (maximum stamp duty of Rs 25,000/-)

- (v) Government undertakings PSUs are exempted for BID SECURITY deposition on producing certificate issued by competent authority. As per RTPP Act 2013, Rule 42 (2) in case of open competitive bidding, two-stage bidding, rate contract, electronic reverse auction, bid security shall be 2% or as specified by the State Government of the estimated value of subject matter of procurement put to bid. **In case of SMALL SCALE INDUSTRIES OF RAJASTHAN it shall be 0.5%** of the quantity offered for supply and in case of sick industries, other than small scale industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of Bid. Concessional bid security may be taken from registered bidders as specified by the State Government. Every bidder, if not exempted participating in the procurement process shall be required to furnish the bid security as specified in the tender document.

For claiming the above benefit an affidavit on NJS of Rs. 100/- (as per Annexure No. 20) and SSI Certificate from Govt of Rajasthan need to be submitted in the envelope no. 1.

4. The Cover -1 will be opened **at 11:00 AM on 26.10.2019.** Please note that in case scanned copies of DD/Pay order /BG of requisite amount towards cost of tender, cost of processing fee of RISL, and requisite value towards Bid Security is not found as per bid document and as per Envelope-1, then the technical bids and financial bid in electronic form (Cover-2 & Cover-3) will not be opened of that Bidder/bidders.
5. Cutting / overwriting if any in the figures of the tendered documents is required to be clarified / indicated in words, duly signed, failing which the tender may be rejected.
6. Deviation of any kind is "not" to be quoted in the bid. Such deviations shall not prevail.
7. The bidders should provide complete information at the time of submission of bid. If the bidders are asked to furnish some more clarification/confirmation/document, they shall be required to furnish the same within specified time, failing which the

case shall be finalized /decided on the basis of available information/documents. The responsibility of ignorance of their bid on account of delay in furnishing of desired information/documents shall be of the bidder. However, if there are any shortcomings in the submission of the information which not materially affects the qualification criterion, then the Bid Evaluation Committee shall have the power to consider the facts on the merit of the case and decide the bid evaluation accordingly.

8. **All tender documents should essentially be signed digitally and submitted/uploaded on <http://eproc.rajasthan.gov.in> in time as per checklist.**
9. The Bidder shall submit the Techno Commercial Bid in hard copy also marked as Bid Envelope (Techno – Commercial Part) containing the documents. These envelopes shall then be sealed in an outer envelope.
10. Bidders who wish to participate in this tender, will have to register on <http://eproc.rajasthan.gov.in> (bidders registered earlier on the eproc.rajasthan.gov.in, need not to get registered again). To participate in online tenders, Bidders will have to procure Digital Signature Certificate (Class II & Class III) as per requirement under Information Technology Act-2000 using which they can sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency or they may contact e-Procurement Cell, Department of IT & C, Government of Rajasthan on the following address:-

Address: e-Procurement Cell, RISL, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur, e-mail: eproc@rajasthan.gov.in

11. Bidders are also advised to refer “Bidders Manual” available under “Downloads” section on <http://eproc.rajasthan.gov.in> for further details about the e-tendering process.
12. **All the required information shall be furnished strictly in the prescribed Formats only. Any information indicated other than the prescribed Formats shall not be entertained.** The bid shall be evaluated on the basis of information furnished in the prescribed Formats only.

13. CHECK LIST:

List of required Formats/documents to be submitted online duly signed digitally by Authorized Signatory:

- 1) **Cover-1:-** Up load the scanned copy of deposit of DD/Pay Order towards Cost of tender document, processing fee of RISL and BID SECURITY (DD/Pay Order/BG)
- 2) **Cover- 2: -** Technical Bid (all information in the Formats as per tender (in .pdf).)
- 3) **Cover-3: -** Price bid as per Format attached. **(online only)**

NOTE:- The financial bid (Price bid) is to be submitted **as per format Annexure-4 (on-line only)**. This format is to be downloaded from <http://eproc.rajasthan.gov.in>, filled & uploaded back to <http://eproc.rajasthan.gov.in>. Bid may be rejected if look alike format (.xls) is created/ filled and uploaded on <http://eproc.rajasthan.gov.in>

14. **Clarifications regarding tender- for any type of typographical Errors or misunderstanding of document, the version/decision of JDVNL shall be final.**

15. Correspondence for enquiries and clarifications

All correspondence in respect of the tender and submission of the Tender shall be addressed to:

THE SE (CSS) JdVVNL, JODHPUR
JODHPUR VIDYUT VITRAN NIGAM LIMITED,
New Power House, Jodhpur 342003

Note: All correspondences regarding this tender should essentially be submitted to JDVVNL on the Email ID: secssjdvvnl@gmail.com.

SECTION – 1

INTRODUCTION & ABBREVIATIONS

1. Background

Under the guidelines issued by Rural Electrification Corporation, GOI for “Pradhan Mantri Sahaj Bijali Har Ghar Yojana (**Saubhagya**)” from “WHITE LED (W-LED) BASED OFF-GRID SOLAR HOME SYSTEMS”.JDVVNL wishes to select competent, experienced and financially sound manufacturers / suppliers for the work of Survey of villages & Dhanies and Design, manufacture, supply, installation, testing, commissioning including 5 years comprehensive maintenance of Off-grid Solar Photovoltaic Home Lighting Systems (SHLS) in the unelectrified HHs in villages/Dhanies/Hamlets/Habitations of various districts under Jodhpur Discom. Under the scheme, 200 Wp Photovoltaic capacity Model (as per technical specifications of REC scheme guidelines) will be supplied and installed for fulfilling the minimum electricity needs of individual households. The list of un-electrified villages and dhanies will be made available to the bidders before award of districts for this work.

Above work is to be carried out on a ‘**Turn Key Basis**’ which includes survey, identification of beneficiaries in the un-electrified villages/Dhanies/Hamlets, supply of SPV systems with all accessories and equipments, installation, testing, commissioning and further 5 years comprehensive maintenance. **Expected quantity of SPV Home Lighting Systems to be supplied & installed under this Tender will be around 14000 Nos.(Tentative) This quantity may further increase upto 50% and decreased as required by nigram.**

2. Mode of Execution of Programme:

The basis of evaluation of the bids shall be the cost/rate quoted in the Price Schedule. To further clarify, installation and commissioning cost and taxes etc. shall be inclusive in the cost of supply of complete system including five years comprehensive maintenance for comparison and evaluation. Proposers are required to quote rate / cost on firm basis and no price variation on any account shall be considered.

The selected manufacturers / authorised suppliers shall be provided the list of beneficiaries in the un-electrified Household to supply, install, commission systems and **provide comprehensive maintenance services for 5 years free of charge**. They shall also be required to set up their repair and maintenance centres for providing effective repair/maintenance services to the beneficiaries and meet conditions detailed in Section 2.

The Programme shall be carried out as per guidelines at Section-2 along with those given hereunder:-

- (i) The bidder shall be allowed to install the systems conforming to the specifications detailed in the tender with submission of type test certificates (**not older than five years**) of HLS system (as per specifications detailed at Annexure-2) issued from MNRE approved test house after authorisation by JDVVNL. (Successful type test reports to be submitted with tender bids)
- (ii) For this work, JDVVNL shall award specific targets / limits to each selected and fix prices for electrification of unelectrified household under SPV HLS.
- (iii) The Bidder may claim Payment from JDVVNL by submitting complete list of beneficiaries along with full addresses, date of installation, models and makes and serial numbers of systems & PV modules supplied along with the photographs of installed system duly verified by authorised representative from JDVVNL.

3. **Abbreviations / Terms:**

i.	JDVVNL :	Jodhpur Vidyut Vitran Nigam Limited
ii.	Manufacturers:	Manufacturers of SPV Systems (meeting technical specification as per guidelines of REC).
iii.	RFP:	Request for Proposal
iv.	PBG:	Performance Bank Guarantee
v.	Systems:	SPV Domestic Light (Home Lighting System) / SPV Off-grid Systems/ SPV Off-grid HLS.
vi.	Proposal:	Tender / Bid / Quotation
vii.	Proposer:	Tenderer/Bidder/Applicant
viii.	Cost of System:	Total of Price of System including all taxes.
ix.	Amount payable by JDVVNL:	Supply and installation amount only
x.	CMC:	Comprehensive Maintenance Contract {which includes maintenance of system with repair/replacement of parts, including Battery, free of cost}.
xi.	UE HH	Un electrified households
xii.	HLS	Home Lighting System

SECTION – 2

SCOPE OF WORK

Scope of work covers survey, identification of beneficiaries as per JDVVNL's conditions, design, supply, installation, testing, commissioning and 5 years comprehensive maintenance of Solar Photovoltaic Home Lighting System (HLS) for electrification of UE HHs in the un-electrified villages/Dhanies/Habitations situated in the State conforming to technical specifications enumerated in relevant Annexure of this Tender. Detailed scope of work is provided hereunder:-

2.1 Work of installation & ongoing maintenance of HLS shall involve:

- (a) Survey, Identification and engagement of prospective/interested unelectrified household in the villages & Dhanies (As per list provided by JDVVNL) along with uploading of complete details on JDVVNL website.
- (b) Collection of application and consent of beneficiaries for supply and installation of systems from unelectrified households and deposited in JDVVNL.
- (c) Entering into supply and maintenance contract agreements with JDVVNL.
- (d) Completion of work of supply, installation, commissioning and testing as per schedule given at the time of allotting targets.
- (e) Supplier will essentially upload the verified documents (from JDVVNL after physical verification of installations) alongwith location coordinates (Longitude and Latitude of beneficiary residence where system installed) on JDVVNL website as per directions before submission the claims for payment. Verified copies of statements of GPS coordinates shall be submitted to SE (CSS), JdVVNL, Jodhpur fortnightly.
- (f) **Rectification of Faults:** All the Successful bidder shall be bound to develop their "After sales service centres" in the vicinity of the area of the installed systems or at least at tehsil level /at central location to facilitate AMC services. The beneficiaries should be well informed about the AMC centre of vendor, call centre/toll free numbers. The Successful bidder will educate the Beneficiaries on the process for registering the complaints on Call Center/toll free nos. After registration of complaint, system faults will have to be rectified within 7 days from the date of registration of complaint at call centre. Successful bidder will update the status of fault rectification on JDVVNL website /call centre for online monitoring of the complaints registered and services being provided by the vendor.
JDVVNL reserves the right to allot any areas / districts / villages/Blocks to Successful bidder.

2.2 Eligible Beneficiary for off-grid SPV Home Lighting Systems:

Un-electrified Households of Villages/dhanies (as per list of JDVVNL) will be the eligible beneficiaries for consideration under this Saubhagya scheme. Eligibility of the villagers residing in these villages/dhanies will be established through a self-certificate furnished by the potential beneficiary accompanied by a requisite form of identification (Aadhar Card /Voter ID card /Driving License) and further

verification by Sarpanch/Ward Panch/Panchayat Secretary or School Teacher of the same Gram Panchayat area.

2.3 Source of funds:

The Owner named in the Bidding Documents intends to use the capital subsidy (60% of cost of the infrastructures in the project) under SAUBHAGYA Scheme, a Government of India flagship program for providing Off grid based connections to consumers, 30% to be arranged through loan from FIs/Bank and balance 10% shall be contributed by the Discom for this project.

2.4 **Project Estimates:**

JDVVNL tentatively estimated the price of each 200 Wp SPV HLS as Rs. 35100/- (Inclusive of all taxes and duties) and total project estimates as under:

Systems	Tentative Quantity	Tentative Estimated cost
200 Wp SPV HLS	14000 Nos. (Estimated)	Rs. 49.14 Crs.

Note:-The Quantity of SPV HLS to be installed as per the Clusters (Village/block//District's) shall be distributed in 3 lots as below:-

Lot No	DISTRICT	Tentative Quantity of SPV HLS	Tentative Estimated Cost (In Rs Cr.)
1	Jaisalmer	3843	13.49
	Barmer	2523	8.86
	SUB TOTAL	6366	22.34
2	Jodhpur	1000	3.51
	Pali	1924	6.75
	Sirohi	2785	9.78
	SUB TOTAL	5709	20.04
3	Churu	1925	6.76
	TOTAL	14000	49.14

This quantity may further increase upto 50% and decreased as required by nigram as per RTPP Act-2012 & Rules-2013 made thereunder.

SECTION – 3

EXPERIENCE AND COMPETENCE

Followings are the requirements for responsiveness for experience and competence for the bidders:

- (i) The Bidder should be either a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto and engaged in the business of Solar Power/Renewable/Electrical Works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be either a body incorporated in India under the Limited Liability Partnership Act, 2008: and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be a firm registered under Partnership Act, 1932 in India and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be a firm registered as Sole Proprietor under Shop Act in India and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

- (ii) Following are the required experiences for considering responsiveness of the bidders:

- (a) Bidder shall have experience of execution of installation and maintenance of Solar Photovoltaic Home Lighting Systems (HLS) in rural areas amounting (of value) to biggest lot value i.e. **Rs 22.34 Crore** atleast, during last Five years [i.e 2013-14 to 2017-18]. The works should have been executed under SNA/ Govt. Organisation/SECI/PSUs only.

OR

Bidder shall have work execution experience of Off-grid SPV systems (HLS, SLS, SPV Pumps, Off-grid SPV Power Plants, Mini-grid) in rural areas amounting (of value) to biggest lot value i.e. **Rs. 22.34 Crores** atleast, during last Five years [ie 2013-14 to 2017-18]. The work should be executed under SNA/ Govt. Organisation/SECI/PSUs only.

- (b) The details of projects executed during period mentioned above should be listed in Annexure-3(A) and Annexure-3(B). Notarised Copy of work orders and a certificate issued by the SNA/ Govt. Organisation/SECI/PSUs towards the satisfactory installation and functioning of the power plants/systems to be furnished by the bidder. The certificate should not be

issued by the officer below the equivalent rank of Executive Engineer.

In case of Bid submitted in JV, the Lead partner shall meet not less than 40% of the work experience **AND** Each of the other partner(s) shall meet not less than 25% of the work experience and collectively the requirement of total work experience.

It may be noted that a proposal /bid from any such firm which has not carried out works related to installation of systems as noted above shall not be considered a responsive offer. Schedule in which experience details should be furnished by the firms as per Annexure-3 (A) & 3(B) supported by required certificates from the concerned SNA/Govt. Department/MNRE/PSUs & copies of work orders and work completion certificate.

Note: For submission of experience, bidder should furnish notarized copies of work orders issued to them and satisfactory work completion certificate by the authority essentially. In absence of any one, it will not be considered for qualifying in technical bid.

SECTION – 4

FINANCIAL CAPABILITY

Bidder shall have to attach firm's Annual Audit Report, Balance sheet, Profit & Loss and Income Tax Returns / CA certificate for last Five years i.e F.Y: 2013-14, 2014-15, 2015-16, 2016-17 & 2017-18.

Net Worth and Minimum Annual Turnover should be as per enclose performa of qualifying requirements with CA Certification mentioning Unique Document Identification Number (U.D.I.N.)

1. Net Worth for the **each of the** last three Financial Years (FY15-16, FY16-17, FY17-18) should be **positive**.
2. Minimum Annual Turnover (MAT) in **any one** of last five financial years (FY13-14, FY14-15, FY15-16, FY16-17, FY17-18) of the bidder should not be less than 50% of the biggest lot value i.e. **Rs. 11.17 Crore (50% of Rs. 22.34 Cr).**
3. In case a bid is submitted by a Joint Venture (JV), all the partners of the JV shall meet, individually, the qualification set forth at para 1 and collectively the requirement of para 2. The figures for each of the partner of the joint venture shall be added together to determine the bidder's compliance with the minimum qualifying criteria set out in para 2; however in order for a joint venture to qualify, the partner(s) of joint venture must meet the following minimum criteria:
"The Lead partner shall meet not less than 40% AND Each of the other partner(s) shall meet not less than 25% of MAT requirement."

A certificate from banker (as per format enclosed) indicating various fund based/non fund based limits sanctioned to the bidder and the extent of utilization as on date Such certificate should have been issued not earlier than three months prior to the date of bid opening. Wherever necessary, the employer may make queries with the Bidders' bankers. In case of Bid Submitted in JV, the certificate from Bank for all the JV partners shall be furnished.

SECTION – 5**PRICE SCHEDULE**

Bidders shall quote their lowest rates / costs for the work of survey, design, supply, installation, commissioning, testing and five years free comprehensive maintenance including all taxes etc. in **Annexure-4**.

For Financial/ Price Bid Consist the details of prices as per Price Schedule in MS Excel Format (.xls format of price Bid) published with NIT on eproc website.

Price bid in form of Price schedule shall be uploaded by bidder on schedule date and time of submission of bids. The price schedule shall be uploaded by the bidder on web portal on which the NIT is floated on due date and time for submission of bids. The locked price bid shall be opened on notified date and time. Due intimation shall be given to technically and commercially cleared bidders about date and time of opening of on-line bids.

JDVVNL will declare L1, L2, L3.....Ln based on price received/quoted by the bidder for **200Wp model** of Off-grid SPV Home System from bidders summing up cost of supply, installation & commissioning along with Five years free maintenance and all applicable taxes for comparison and evaluation. Supplier has to execute a Comprehensive maintenance Contract for a period of five years with the beneficiary during which maintenance shall be provided free of cost including repair/replacement of the system for manufacturing defects.

Note:

1. **Bidders are directed that price offer should be furnished online only in cover-3 in the format of Annexure-4. If price offer submitted in technical bid (i.e in cover-1 and cover-2), such bids will be rejected in technical bid evaluation stage and will not be considered for further process to conclude the bid.**
2. **The unit rate for supply of material to be quoted by bidder in column No. 3 of BoQ is inclusive of GST and freight, insurance & transportation charges as applicable time being in force.**
3. **Installation, testing and Commissioning of the Systems with five year maintenance including all taxes as applicable time being in force.**
4. **The successful bidder shall furnish price break up for supply and Installation, testing and Commissioning of the Systems separately in format provided by this office with acceptance of Lol.**

SECTION – 5

PRE-QUALIFYING REQUIREMENTS AND PROPOSAL EVALUATION

1. Pre-Qualifying Requirements(To be furnished duly notarized):

Followings are the requirements for responsiveness for experience and competence for the bidders:

- 1.1 The Bidder should be either a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto and engaged in the business of Solar Power/Renewable/Electrical Works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be either a body incorporated in India under the Limited Liability Partnership Act, 2008: and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be a firm registered under Partnership Act, 1932 in India and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

OR

The Bidder should be a firm registered as Sole Proprietor under Shop Act in India and engaged in the business of Solar Power/Renewable Energy/Electrical works.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

- 1.2 Following are the required experiences for considering responsiveness of the bidders:

- (a) Bidder shall have experience of execution of installation and maintenance of Solar Photovoltaic Home Lighting Systems (HLS) in rural areas amounting (of value) to biggest lot value i.e. **Rs 22.34 Crore** atleast, during last Five years [i.e 2013-14 to 2017-18]. The works should have been executed under SNA/ Govt. Organisation/SECI/PSUs only.

OR

Bidder shall have work execution experience of Off-grid SPV systems (HLS, SLS, SPV Pumps, Off-grid SPV Power Plants, Mini-grid) in rural areas amounting (of value) to biggest lot value i.e. **Rs. 22.34 Crores** atleast, during last Five years [ie 2013-14 to 2017-18]. The work should be executed under SNA/ Govt. Organisation/SECI/PSUs only.

- (b) The details of projects executed during period mentioned above should be listed in Annexure-3(A) and Annexure-3(B). Notarised Copy of work orders and a certificate issued by the SNA/ Govt. Organisation/SECI/PSUs towards the satisfactory installation and functioning of the power plants/systems to be furnished by the bidder. The certificate should not be issued by the officer below the equivalent rank of Executive Engineer.

In case of Bid submitted in JV, the Lead partner shall meet not less than 40% of the work experience **AND** Each of the other partner(s) shall meet not less than 25% of the work experience and collectively the requirement of total work experience.

It may be noted that a proposal /bid from any such firm which has not carried out works related to installation of systems as noted above shall not be considered a responsive offer.

Schedule in which experience details should be furnished by the firms as per Annexure-3 (A) & 3(B) supported by required certificates from the concerned SNA/Govt. Department/MNRE/PSUs & copies of work orders and work completion certificate.

Note: For submission of experience, bidder should furnish notarized copies of work orders issued to them and satisfactory work completion certificate by the authority essentially. In absence of any one, it will not be considered for qualifying in technical bid.

Bidder shall have to attach firm's Annual Audit Report, Balance sheet, Profit & Loss and Income Tax Return / CA certificate for last Five years i.e F.Y: 2013-14, 2014-15, 2015-16, 2016-17 & 2017-18.

Net Worth and Minimum Annual Turnover should be as per enclosure perform of qualifying requirements with CA Certification mentioning Unique Document Identification Number (U.D.I.N.)

- 1.3. Net Worth for the **each of the** last three Financial Years (FY15-16, FY16-17, FY17-18) should be **positive**.
- 1.4. Minimum Annual Turnover (MAT) in **any one** of last five financial years (FY13-14, FY14-15, FY15-16, FY16-17, FY17-18) of the bidder should not be less than 50% of the biggest lot value i.e. **Rs. 11.17 Crore (50% of Rs. 22.34 Cr).**
- 1.5 In case a bid is submitted by a Joint Venture (JV), all the partners of the JV shall meet, individually, the qualification set forth at para 1.1&1.3 and collectively the requirement of para 1.2 & 1.4. The figures for each of the partner of the joint

venture shall be added together to determine the bidder's compliance with the minimum qualifying criteria set out in para 1.2 & 1.4; however in order for a joint venture to qualify, the partner(s) of joint venture must meet the following minimum criteria:

"The Lead partner shall meet not less than 40% of the criteria AND Each of the other partner(s) shall meet not less than 25% of the criteria."

- 1.6 A certificate from banker (as per format enclosed) indicating various fund based/non fund based limits sanctioned to the bidder and the extent of utilization as on date Such certificate should have been issued not earlier than three months prior to the date of bid opening. Wherever necessary, the employer may make queries with the Bidders' bankers. In case of Bid Submitted in JV, the certificate from Bank for all the JV partners be furnished.

Note: (i) The bidder must fill up above information clearly in enclosed sheet and attach all required documents in support as at a glance in Techno - Commercial bid.

(ii) If supporting documents are not attached for each eligible criterion above, the bid may be rejected without further reference.

(iii) Bidders should have their GST registered certificate

2. Bid opening online:

- (a) First of all Envelope in hard copy (in physical form) furnished by bidder shall be opened and examined for the submission of Tender Cost, RISL charges and BID SECURITY and if found as per requirements, the **Cover-1**(on-line) containing scanned copies of documents submitted for Tender Cost, RISL e-proc charges and BID SECURITY shall be opened and checked for the eligibility for opening cover-2 (i.e.- Technical bid).
- (b) Documents as furnished in envelope-1 should be available in cover-1 completely. If found accordingly as per requirement, then cover-2 (Technical bid:online) shall be opened of those bidders only.

3. Evaluation of proposals:

The evaluation of techno-commercial bid will be done & price bids (i.e. Cover-3) of only those bidders will be opened who are found technically eligible and qualified. The basis of technical evaluation shall be the documents submitted as techno-commercial bids [Required under section-3, section-4 & section-5(1)].

PRE- QUALIFYING REQUIRMENT AND PROPOSAL EVALUATION
INFORMATION SHEET

S. No.	Details required :	Brief details to be furnished by the firm :	Page No. of Self-attested attached document as proof.
1.	Annexure -1 Clear detailed information of the firm/company on the letter head		
2.	Complete bid document including all corrigendums(if any, further issued) dully filled as per requirement, signed and should be uploaded.		
3.	Status of the firm [As per Section 5.1 (i)].		
4.	GST registered certificate of the firm [As per Section 5.1 (v)].		
5.	Certificate of incorporation of bidder		
5.	Type of Bidder (Single /JV) Joint Venture should not be more than three partner (If applicable)		
7.	Power Of Attorney and in case of Joint Venture agreement also for JV signing. On NJS of Rs 500/-		
8	Joint Venture aggrement		
9.	<i>WORK EXPERIENCE</i> Lead partner- JV partner- TOTAL-		
10.	<i>NET WORTH</i> Lead partner- JV partner- TOTAL-		
11	<u>MINIMUM ANNUAL TURNOVER CRITERIA (MAT)</u> Lead partner- JV partner- TOTAL-		
12	<i>A CERTIFICATE FROM BANKER FUND BASED/NON FUND BASED LIMITS SANCTIONED (NOT OLDER THAN 3 MONTHS FROM DATE OF BID OPENING)</i> Lead partner- JV partner-		
13	Audited annual reports		
14	Income Tax Return		
15	CA Audited P&L		
15	Audited Balance Sheet		
17	Litigation History		
18	Tender Application form as per annexure-5		
19	Undertaking of Buisness relation severement/Blacklisting/Debarred		
20	Alternative, Deviations and Exceptions to the Provisions Annexure-15		
21	Declartion Annexure-16		

- Note:**
- 1. If complete bid document with all corrigendums issued by JDVVNL(if any further) in reference to this tender as mentioned at point No. 1 in above table not uploaded online in cover-2 by the bidder, their technical bid (Cover-2) will be declared non responsive and rejected for further process of evaluation ignoring other documents furnished by the firm.**
 - 2. If any document submitted in support of above parameters is found to be false, the tender will be disqualified and BID SECURITY and Security Deposit shall be forfeited and bidder shall be blacklisted.**
 - 3. If all Documents submitted for evaluation purpose by the bidders as supporting documents for each eligible criterion as above will not be legible, in such condition Evaluation committee may reject the bid without further reference.**

SECTION – 7

COMPLETION PERIOD

JDVVNL will award LOT wise work to successful bidders. The work is to be completed **WITHIN 60 DAYS FROM DATE OF LETTER OF INTENT**. JDVVNL may extend this period at its discretion.

The firms shall submit their bills for SPV HLS installation completed to respective Nodal officers on monthly basis along with required documents/papers and obtain receipt of the same from authorised nizam official. SE (CSS) will be informed about this along with receipt of Nodal office & list of beneficiaries within next 10 days.

The Final bill must be submitted to authorised nizam official not later than 30 days after expiry of the scheduled time period & SE(CSS) should be informed within the following 30 days along with receipt of Nodal office & list of beneficiaries.

Completion Schedule:-

100 % work must be completed within completion period.

Delay in submission of bills to SE(CSS) office with the receipt of JDVVNL's Nodal office & list of beneficiaries after 30 days from scheduled date for completion of work as per schedule will attract penalty as under :-

If the Contractor fails to comply with the Time for Completion in accordance with the norms for the whole of the facilities, (or a part for which a separate time for completion is agreed) then the Contractor shall pay to the Employer a sum equivalent to a **quarter of a percent (0.25%) of the Contract Price** for the whole of the facilities, (or a part for which a separate time for completion is agreed) as liquidated damages for such default and not as a penalty, without prejudice to the Employer's other remedies under the Contract, for each week or part thereof which shall elapse between the relevant Time for Completion and the date stated in Taking Over Certificate of the whole of the Works (or a part for which a separate time for completion is agreed) subject to the limit of **ten percent (10%)** of Contract Price for the whole of the facilities, (or a part for which a separate time for completion is agreed).

However, if the Contractor completes the work for whole of the facilities within the contracted time period, the Employer may then refund back the LD which was deducted on account of delay in completion of a part of a work for which a separate time for completion is agreed.

The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any money due or to become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

The extension of time period for implementation of the programme is solely on the discretion of the tendering authority.

Note: The Successful bidders must obtain a receipt duly numbered, dated and signed by Nodal office/along with intimation to SE (CSS) office for each and every bill correspondence failing which no relaxation request of the supplier shall be entertained regarding delay.

SECTION – 8

INSTRUCTIONS TO BIDDERS

- 8.1 Bidders are required to furnish all information and documents as called for in this document should be in the English Language. Any printed literature furnished by the bidder may be in another language, provided that this literature is accompanied by an English translation, in such case, for the purpose of interpretation of the document, the English version will govern.
- 8.2 **The Joint venture proposals** shall be acceptable as per following conditions :
- (i) The JV member may procure the tender document in its own name.
 - (ii) The lead member should submit Joint Venture agreement along with the proposal.
 - (iii) All requirements as per Section-5 of the tender document can be furnished by both Joint Venture members jointly.
 - (iv) The lead member should undertake the responsibility for all obligations and liabilities relating to the project in accordance with the terms of this tender.
 - (v) The work would be awarded to the lead member and JDVVNL would acknowledge other Joint Venture member in the work award letter and other communications.
 - (vi) All payments from JDVVNL will be made in informed joint bank account of Joint Venture firms only, the details of such bank account shall be provided by the bidder.
 - (vii) **Only one agreement with only one party will be accepted under Joint Venture agreement.**
- 8.3 The Proposal received after the closing date and time shall not be considered.
- 8.5 The documents shall be properly checked and signed before uploading for submission of proposals.
- 8.6 Intending bidders are required to carefully go through the instructions included in the document and furnish complete information, necessary documents and schedules.
- 8.7 All costs towards site visit and submission of documents etc. shall be borne by the applicants themselves.
- 8.8 Applicants are informed that JDVVNL is neither under any obligation to select any applicant, nor to provide any reason for either qualifying or disqualifying any applicant. JDVVNL is also not under any obligation to proceed with the programme or any part thereof amendment.
- 8.9 At any time prior to opening of tender bids, JDVVNL, either at their own initiative or in response to clarifications requested by a prospective bidder, may modify tender by issuing an amendment. Such amendment(s) shall be up loaded on e-proc site.
- 8.10 **The proposals as submitted shall invariably indicate that proposal is firm and that proposals shall remain valid and open for a period of not less than six months from the date of opening.**

- 8.11 After opening of proposals and till final selection of successful suppliers/bidder(s), no correspondence of any type will be entertained, unless called for by JDVVNL. Any type of uncalled for clarifications on prices and or rebates shall not be accepted.
- 8.12 In the event of a bidder not responding to further negotiations as required for selection of suppliers, JDVVNL reserves the right to forfeit the Bid Security Deposit amount furnished by such bidders.
- 8.13 JDVVNL will review the proposals to determine whether the proposals are substantially responsive to the requirements listed in this document. **Proposals considered non-responsive are liable for rejection for the following reasons:**
- (i) Proposal is not received by the due date & time and proposal is not accompanied with the required documents & schedules.
 - (ii) Proposal is not accompanied by Bid Security Deposit/Tender Cost/RISL Charges.
 - (iii) Conditional proposal should be rejected.
 - (iv) Proposal is not valid for at least six (6) months.
 - (v) Desired certificates in the tender not attached by the bidder.
 - (vi) Prices not quoted in prescribed Proforma /schedule.
 - (vii) Proposal is not meeting any other pre-requisite as spelt out elsewhere in this document.
- 8.14 JDVVNL shall take up detailed evaluation of the responsive proposals only.
- 8.15 JDVVNL attaches great importance to maintenance of the systems as it is felt that without proper maintenance after installation of system, consumers may be deprived of the benefits of electricity. To achieve this objective, successful bidder shall proceed to **first establish after-sales service network in the awarded area in the concerned district for installation of systems. This may consist of service centre at a convenient place to be reached by a beneficiary.** Such service centres shall have spares for the system and repair facility. The concerned Nodal officer, JDVVNL shall verify this fact and only then the supplier shall be allowed to install the systems.
- 8.16 **Supplier shall provide a guarantee card and an operation and maintenance manual in Devnagri script to each beneficiary. Beneficiaries shall also be educated through brochures about dos & don'ts on the system.** The details of after sales service centers along with telephone numbers & contact persons of firm & details of JDVVNL offices, address and telephone numbers must be provided to each beneficiary.
- 8.17 It may be carefully noted that maintenance of SPV Systems includes maintenance of all items including all accessories. **Complete SPV systems including batteries shall bear a warranty for a minimum period of 5 years and solar modules shall have warranty for minimum 10 years.** In case of defects in batteries during guarantee period, successful bidders shall be responsible for repairs / replacement of batteries and to ensure that batteries perform satisfactorily during the guaranteed period.
- 8.21 The bidder must quote the prices strictly in the manner as indicated in the price schedule, failing which proposal is liable for rejection.

- 8.22** The bidder should sign the proposal form on each page and also at the specified location. Each and every paper enclosed must be given a page no. like 1,2,3,.....etc.& a **bid summary must be enclosed along with covering letter on the Letter Head of the firm in the following format : -**

S.No.	Particulars/brief of information/ schedule/ Annexure	Page No:
1.		
2.		
3		
.....		
	Total Page	

Signature

- 8.23** Successful Bidder will be required to enter into an agreement in the prescribed format (**Annexure-7**) with required Security deposit within given period in the Empanellement order. In the event of failure, the full Bid Security deposited shall stand forfeited.

SECTION – 9
TERMS & CONDITIONS

**THE WORK OF SUPPLY & INSTALLATION COMMISSIONING &
COMPREHENSIVE MAINTENANCE FOR FIVE YEARS OF OFF-GRID SPV HOME
LIGHTING SYSTEMS UNDER SAUBHAGYA SCHEME**

- 9.1 Intending bidder shall have to deposit Bid Security/bid security of amount **as detailed in Instructions to bidders Point no. 3** in the form of Demand Draft / Bankers cheque / Bank Guarantee of scheduled bank (valid for six months from last date of submission of tender), without which tender will not be considered.
Government undertakings PSUs are exempted for BID SECURITY deposition on producing certificate issued by competent authority in Hard Copy in envelope-1 and also online in cover-I.
- 9.2 (i) The Bid Security/bid security will be refunded to the unsuccessful bidders after execution/signing of the contracts with successful bidders and performance security deposit is obtained, whereas in case of successful bidders it will be refunded after refunding after submitting PBG and execution/signing of Contract Agreement
- 9.3 Performance Bank Guarantee on

The successful bidder shall be required to furnish PBG @ 10% against ordered value at the time of Award of Contract except the departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a declaration shall be taken from them. The PBG shall be returned after Sixty Three (63) months from the date of successful installation of the last system.

- 9.3.1 The Contractor shall, within 7(Seven) days of the notification of Letter of Intent, provide a performance security for the due performance of the Contract in the amount equivalent to Ten percent (10%) of the Contract Price, with a validity upto ninety (90) days beyond the Defect Liability Period (i.e. 5 years). The same shall be extended by the Contractor time to time till ninety (90) days beyond the actual Defect Liability Period, as may be required under the Contract.

OR

The Contractor shall, within 7(Seven) days of the notification of Letter of Intent, provide a performance security for the due performance of the Contract in the amount equivalent to 2% PBG of the contract price instead of 10% PBG for completing contractual formalities and remaining 8% PBG to be recovered from their first three running bills in equal installments against work done under the awarded contract. However, the available 2% bid security shall be released only after ensuring availability of 10% Performance Security (BG+Cash) with the Discom, with a validity up to ninety (90) days beyond the Defect Liability Period. The same shall be extended by the Contractor time to time till ninety (90) days

beyond the actual Defect Liability Period, as may be required under the Contract.

9.3.2 The performance security shall be in the Form of unconditional Bank Guarantee as per the Annexure No. 21.

9.3.3 In case of award of the contract to a Joint Venture, the Bank Guarantees for performance security shall be submitted in the name of all the partner(s) of the Joint Venture "OR" in the name of Lead/other Partner in the Joint Venture submitting the bid.

9.3.4 The BG should be from Any Government bank and in case of private bank as enlisted earlier.

9.3.5 The time specified for work in the contract shall be deemed to essence of the contract and the successful suppliers shall arrange to complete the work with in the period. The progress will be reviewed fortnightly.

9.4 Acceptance of the proposal(s) will rest with the JDVVNL who does not bind itself to accept the lowest offer and may reject any proposal without assigning any reasons thereof.

9.5 The rates quoted for supply of SPV systems must be firm and fixed, FOR site(s) as per prescribed format.

9.6 The Bidder should be required to submit Type Test report in their name for the SPV HLS system (complete system: SPV Module, MPPT Charge controller, LiFePO₄/Lithium ion Battery 12.8V, 80Ah, LED Batten 7W, Mobile charger & DC Fan with provisions of DC TV loads) as per specifications as detailed at Annexure-2 with tender document (Cover-II).

Note: LiFePO₄/ Lithium ion battery cells should be confirming the BIS/International standards. Certificate of manufacturer issued from MNRE/BIS approved test house should be submitted before Supply of Material.

9.7 JDVVNL may visit and inspect the manufacturing unit of every part /item of the systems i.e. LiFePO₄cell/ Lithium ion battery and SPV Module and DC Fan, MPPT Charge controller etc after issuance of LOA or during implementation of the programme to ensure the status and infrastructure and process of quality control of product.

9.8 (A) The payment of billed amount (Supply, Installation and Commissioning) of SPV Home systems shall be released under the programme only after such funds received from funding agencies as per following terms:

(i) 90% amount after receipt of claim (Supply, Installation and Commissioning) from the contractor with following documents duly verified by JDVVNL's concerned Nodal Officer/authorized JDVVNL Officer will be made by Sr. AO. (CPC), JDVVNL, Jodhpur within 21 days from the date of submission of invoice along with relevant documents.

- a. Invoice issued by the successful bidder to the beneficiaries.
- b. Date of commissioning.
- c. Model
- d. Make
- e. Serial Nos. of PV modules, Batteries and Balance of systems.
- f. Address proof of beneficiary like Ration Card, Aadhar card, Voters Identification Card number etc.

- g. Two Photographs of beneficiary with installed system(The Photograph must match with the photograph in the ID proof). As far as possible, photograph of installed system should be taken with person whose ID proof is being taken but in case at the time of taking Photograph the ID proof person is not available at his /her residence, spouse's photograph may be taken with installed system.
- h. Copy of Agreement with beneficiary for maintenance (Annexure-9)
- i. Copy of installation certificate duly signed (with seal) by Sarpanch/Gram Sevak cum Panchayat Secretary/Patwari/ School Principal of local Govt. School {Annexure- 10}.
- j. Signing of Contract Agreement with Nigam.

[Two sets of documents (a) to (i) must be prepared & one copy be submitted to PO& second copy, duly verified from concerned PO, JDVVNL, to JDVVNL HQ Jaipur along with bill of Payment claim and these beneficiaries details should also be uploaded on JDVVNL website with mentioned documents].

However, it should be noted that JDVVNL at its discretion may undertake additional physical verification (of upto 5% of the number of systems installed) by a committee of head office representatives either in all regions or in selected regions randomly twice in contract tenure. In cases of any discrepancies identified during this physical verification, JDVVNL may withhold release of balance payment till all rectifications have been completed to the satisfaction of JDVVNL.

- (ii) Balance 10% will be released to the vendor after 60 months of handing over the system after successful completion, commissioning and charging in all respect and also subject to clearance/ verification of 3rd party inspection.
- (B) The Contractor shall provide comprehensive maintenance services as under :
 - (i) The supplier shall develop service centre at tehsil head quarters/ at local block level as asked by JDVVNL essentially and every beneficiary should be well informed about the concerned service centre for lodging their complaint.
 - (ii) Supplier shall ensure half yearly routine maintenance of system.
 - (iii) The supplier shall timely attend to faults as and when arrive/reported, The faults should be attended within 3 days from lodging of complaint and rectify within 7 days period. If this is not attended as per this schedule, penalty shall be imposed as under :
 - (a) If the fault is not attended within 3 days from lodging of complaint and not rectified in maximum 7 days period, JDVVNL will deduct Rs. 20/- per day /per site as penalty on excess days beyond 7 days.
 - (b) If the fault is not rectified in 30 days from lodging of complaint,JDVVNL will deduct the entire cost of the system from amount withheld as PBG security.
 - (c) A register shall have to be maintained at every service centre which will be verified by concerned Nodal officer or other officers of JDVVNL during inspection and site visits.

The Successful bidder shall ensure timely and satisfactory resolution of the faults. All faults should be attended by the supplier within 7 days of lodging of complaint by the beneficiary. Supplier will maintain a register of complaints & rectification of same. This will be verified by Nodal officer & other JDVVNL officers during visits.

- (C) In case the supplier/bidder fails to provide proper maintenance of the systems to the beneficiary and number of complaints/dissatisfaction of beneficiaries regarding system performance & about AMC services,SE(CSS), JDVVNL at his

discretion conclude by forfeiture of **all outstanding amount with JDVVNL(Performance security) and action against the firm will also be taken for debarring & black listing.**

(D) Invoicing Pattern:

(i) The successful bidder will directly supply and install the system to beneficiary through an invoice of his own or Joint Venture partner in the name of beneficiary. The invoice can be of the empanelled bidder lead member or Joint Venture partner in case of Joint Venture, and will clearly mention the full value of the system and tax components. Supplier will submit claims enclosing one copy of sale invoice and installation certificates etc. as per Clause no. 9.7 of the tender document.

9.9 JDVVNL reserves the right at its sole discretion: (i) not to authorise any bidder for the supply and installation of HLS for which proposals have been invited; (ii) authorise for changed quantity communicated in the RFP document. The bidders shall not be entitled to any compensation whatsoever in this regard.

9.10 Proposals will be valid for a period of 6 months from the date of their opening for the purpose of communicating acceptance by the department. The proposals with validity of less than 5 months will not be considered. The validity can be further extended with mutual consent.

9.11 In the event of breach of any of the conditions except specified in point No: 9.3 of the contract at any time on the part of the successful bidder, the contract may be terminated summarily by SE(CSS), JDVVNL, Jodhpur without compensation to the supplier and PBG will be forfeited and JDVVNL will take action for debarring & blacklisting the firm.

9.12 The price quoted for the systems must be including installation charges and comprehensive maintenance for 5 years charges and shall remain fixed and firm during the period of contract.

9.13 (a) Complete literature and specifications of the material offered must accompany the tender.

(b) All type tests certificates as mentioned in the "Off-grid and decentralised solar applications" guidelines of MNRE issued vide No: 5/23/2009-P&C Dated: 8th July, 2010 and further issued Technical Specifications for white LED (W-LED) based solar photovoltaic Lighting systems (updated for off-grid Solar Applications Scheme 2015-17) and further amended time to time should be furnished should be furnished along with tender bids.

(c) The bidder should furnish certificate of test report issued by MNRE approved test house for complete system as per specifications of the system detailed in tender at Annexure-2.

9.14 The systems offered shall be guaranteed by the manufacturer for use and services for a period of five years from the date of commissioning. Any part found defective during its operation shall have to be replaced free of cost.

9.15 (i) The time specified for delivery and completion of work in the contract tender shall be deemed to be the essence of the contract and the successful supplier(s) shall arrange to complete work within the period on receipt of order

from JDVVNL. Failing which action will be taken against the firm as per provision of bid.

(ii) JDVVNL will review the progress of the work of all empanelled vendors on a periodic basis. If bidder(s) does not comply to his proposed schedule, JDVVNL at its sole discretion may reallocate the remaining work to any/all other interested firm, so as to achieve the targets.

- 9.16 (A) Should the successful bidder(s) fail to complete the work in the period specified in the authorisation letter / contract, the JDVVNL may at its discretion to allow an extension in time of completion, if the supplier has applied in writing for extension not after the stipulated date of supply, subject to recovery of LD from the manufacturer an agreed liquidated damages and not by way of penalty a sum equal to the following percentage from the amount payable by JDVVNL [i.e. the amount of LD shall be calculated on the total payment payable by JDVVNL] for quantity of systems which the manufacturer has failed to supply for period of delay as stated below:-**

If the Contractor fails to comply with the mentioned Time for Completion schedule and in accordance with the norms for the whole of the facilities, (or a part for which a separate time for completion is agreed) then the Contractor shall pay to the Employer a sum equivalent to a **quarter of a percent (0.25%) of the Contract Price** for the whole of the facilities, (or a part for which a separate time for completion is agreed) as liquidated damages for such default and not as a penalty, without prejudice to the Employer's other remedies under the Contract, for each week or part thereof which shall elapse between the relevant Time for Completion and the date stated in Taking Over Certificate of the whole of the Works (or a part for which a separate time for completion is agreed) subject to the limit of **ten percent (10%)** of Contract Price for the whole of the facilities, (or a part for which a separate time for completion is agreed).

However, if the Contractor completes the work for whole of the facilities within the contracted time period, the Employer may then refund back the LD which was deducted on account of delay in completion of a part of a work for which a separate time for completion is agreed.

The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

- (B) SE(CSS) JDVVNL may at its discretion to allow extension of time to complete the work after reviewing the causes of delay without LD as above.

- 9.17 (a) No price escalation on account of any statutory increase in or fresh imposition of customs duty, or GST in respect of the systems authorised to be installed, shall be applicable.**

(b) The benefit on account of decrease in these shall be availed by the department if accrued during the stipulated / extended delivery period.

- 9.18 If : (i) Any bidder after qualifying for opening of financial bid withdraws, from the procurement process, JDVVNL will forfeit the deposited amount as BID SECURITY of the bidder with JDVVNL.
- (ii) Any bidder after opening of financial bids and deciding L-1 withdraws, from the procurement process, JDVVNL will forfeit the deposited amount as BID SECURITY of the bidder with JDVVNL and take action for debarring and blacklisting of firm.
- (iii) Any bidder after deciding and matching L-1 withdraws, from the procurement process, JDVVNL will forfeit the deposited amount as BID SECURITY of the bidder with JDVVNL and take action for debarring and blacklisting of the firm.
- (iv) Any bidder after award of work fails to provide procurement contract, any other document or security deposit required in terms of the bidding documents, JDVVNL will forfeit the deposited amount as BID SECURITY of the bidder with JDVVNL and take action for debarring and blacklisting of the firm.
- 9.19 While making the purchases as envisaged in 9.14, the JDVVNL may exercise its own discretion and if possible resort to limited tender system issuing short term notices irrespective of the value of tender. In all cases where orders are cancelled due to non-supply of stores, it will be treated as breach of contract and JDVVNL shall take action accordingly. It is clarified that the Nigam may resort to risk purchase without granting any extension.
- 9.20 The bidders are required to study carefully the conditions of the tender document, the enclosed specifications and the relevant provision of the relevant BIS/ISS/MNRE specifications wherever necessary before submitting the proposal. Technical particulars of the material offered must comply with the enclosed specifications and the relevant provisions of the BIS/ISS/MNRE.
- 9.21 Any changes in the constitution of the firm/company shall be notified forth with by the supplier in writing to the Nigam and such change shall not relieve the bidder from any liability under the contract.
- 9.22 The Bidder shall sign these conditions on each page at the end in token of acceptance of all the terms and it would be attached /uploaded with the proposal along with the declaration. He should also sign with seal at the bottom of each of the pages of his tender.**
- 9.23 The authorisation for installing SPV system can be repudiated at any time by the JDVVNL if the systems are not supplied and installed to its satisfaction. The reasons for repudiation shall be recorded by JDVVNL. In case of non-performance in any form and shape of the terms & conditions of the agreement, JDVVNL, Jodhpur has the sole discretion to cancel the authorisation pertaining to the supply and installation of systems.
- 9.24 If a bidder imposes conditions, which are in addition to/or in contravention with the conditions mentioned herein, his tender is liable to be summarily rejected. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of authorisation issued by JDVVNL.**

- 9.25 Legal proceedings, if any, arising out of the tender contract shall have to be lodged in courts situated in Jodhpur, Rajasthan only.
- 9.26 If any dispute arises out of the contract with regard to the interpretation / meaning and the breach of the terms of the contract, the matter shall be referred to by the parties to JDVVNL whose decision shall be final and binding.
- 9.27 The material shall be subjected to Pre-despatch inspection. The successful bidder will offer the material for inspection along with one sample of complete system test certificate issued from MNRE/BIS accredited/approved test centre and routine test reports of material. Detailed instructions for inspection of material at works shall be made available to the vendor on receipt of vendor's communication with details of material offered. **The supplier should submit their PDI request 07 days before their proposed scheduled inspection.**

OR

JDVVNL can take up Pre-Dispatch Inspection of material on lot basis, if supplier proposes for the same. The following facilities shall be provided by the Vendor at his own cost to the inspecting officer:

- 9.28 **Contract Agreement:-** Contract Agreement shall be signed, on unconditional acceptance of Letter of Award by turnkey contractor, within 7 (seven) days from date of issue of Letter of Award and submission and acceptance of contract performance guarantees (against supply as well as erection contracts) as per Annexure no. -7.
- 9.29 The Contractor will submit the manufacturer Warranty on NJS of Rs 500/- .
- 9.30 JDVVNL will have full & final right to cancel, amend the awarded quantity without mentioning reason at any of bidder at any time during the contract period.
- 9.31 If the rate contract holder quotes/reduces its price to tender similar goods, works or services at the price lower than the rate contract price to anyone in the state at any time during the currency of the rate contract, the rate contract price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under that rate contract and the rate contract shall be amended accordingly going forward. Other firms holding parallel rate contracts shall also be given opportunity to reduce their price by notifying them the reduced price giving them fifteen days time to intimate their acceptance to the revised price. If any rate contract holding firm does not agree to the revised reduced price, all balance work as outstanding at that time shall be cancelled and further transaction with it shall not be conducted.
- 9.32 I/We have carefully read and understood the above terms & conditions of the tender document and agree to abide by them.
- 9.33 Quality and Quantity Inspection and compliance to the observations :-
On Commissioning REC quality monitor shall inspect the stand alone system. Contractor shall provide all requisite details of line like approved survey report, as built drawings and Joint measurement sheet to the inspector to conduct. Contractor shall rectify defects/deficiencies and submit compliance to the observations with supporting photographs in digital form within one month from receipt of observations.

SECTION – 10

MODE OF AWARD OF TARGETS

10.1 Financial offers of all the technically qualified bidders will be opened and the financial offers will be arranged in the ascending order of their quoted rates for **200 Wp SPV Home system in the price bid** i.e. L-1, L-2, L-3, L-4, L-5, Ln. All firms will be offered to give their consent to take up work on the lowest rates as received in the bid. If any firm does not agree to match the L-1 prices and for Lot quantity then the firm shall be declared disqualified for award of any contract and the next firm will be given the offer (i.e. suppose if L-3 firm does not agree to either work at L-1 rates or for the Lot quantity, it will be ignored and L-4 firm will be treated as L-3 and order will be placed to it as L-3 firm). **Concluding to above L1, L2, L3,Ln will be declared on the basis of offers furnished by vendors for 200 Wp SPV Home system in the price bid. If there is situation of tie of prices, the position shall be decided through manual lottery system.**

10.2 JDVVNL intends to distribute the **total work in Lots** and each lot Households of a certain region. Finally ONE Lot will be awarded to ONE finally qualified bidder. The size of LOT will vary as per cluster of Village/Blocks/ Districts (As detailed at Section-2.4). Before, going for award of Lots to vendors, the Lot wise list of all UE Households of villages and Dhanies [Panchayat Samiti (Block) wise] will be made available to all qualified and awarded Bidders. JDVVNL will award the Lot wise total work of electrification of UE HH of villages and Dhanies as under:

Methodology for award of work:

Work of unelectrified HH of villages & Dhanies will be awarded to maximum Three Bidders stands finally L-1, L-2 & L-3... The award of Lots will be processed as under :

S.No.	Sequence of allotment.
1.	L1 will select one LOT then
2.	L2 will select one LOT then
3.	L3 will be allotted last remaining one LOT

If there are less than three **finally** qualified/successful bidders, then above cycle will continue again from L-1, L2..... etc. in second round (may be in next round) till allotment of all LOTs.

In case at L-3, there are more than one vendor then Last LOT will be distributed among them.

10.3 JDVVNL is of the view to electrify all household of selected villages and dhanies in the scheduled time frame. JDVVNL will review the progress if awarded work not

completed by the successful bidder in completion schedule period from award date, JDVVNL has right to award the work to other vendors.

10.4Bidders should have to establish their local office in Rajasthan compulsorily before coming into agreement with JDVVNL and for their marketing capabilities in reference to requirements of the JDVVNL's Solar Stand Alone Off-Grid Rural Electrification Programme under Saubhagya Scheme as detailed in section-2. The qualified/empanelled bidders should have to establish their **Sales & after Sales Service Centres at least in their allocated area of Rajasthan. The existing (if any) and proposed to be setup Sales & after Sales Service Centres in the State of Rajasthan should be submitted as per Annexure : 3(C) &3(D).**

SECTION – 11**ANNEXURES**

S.No.	Annexure No:	Brief Details of Annexure	Page No:
1.	1.	Information details of Bidder :	37
2.	2	Specification for Solar Home Lighting Systems	38-45
3.	3(A), (B) , (C)&(D)	Schedule of Experience	45-47
4.	4	Price Schedule	48
5.	5	FORMAT for Joint Bidding Joint Venture Agreement	49-50
5.	5	Tender Form	51
7.	7	Format of Agreement with Supplier	52
8.	8	Format of Undertaking to be submitted by the Supplier	53
9.	9	Format of Agreement between beneficiary and supplier for maintenance of SPV off-grid Home system.	54-55
10.	10	Format for system installation verification from beneficiary, Local representative & Nodal Officer, JDVVNL.	55
11.	11	Format of Installation certificate	57
12.	12	Format for Payment claim Note	58
13.	13	Declaration of material proposed for supply under this programme by the Bidder:	59
14.	14(A), 14(B), 14(C) & 14(D)	Instructions and formats to be filled / signed by bidder as per Transparency Act 2013.	50-55
15	15	Alternative, Deviations and Exceptions to the Provisions	55
15	15	Declaration	57
17	17	Bank certificate	58
18	18	Form of certificate of financial parameters for QR	59
19	19	Bid security form	70-71
20	20	Format of Affidavit for MSME Unit	72
21	21	Performance Bank Gurantee	73-75

INFORMATION DETAILS OF THE BIDDER :

S.No.	INFORMATION :	DETAILS :
1.	Name of Firm :	
2.	Registration status :	
3.	Registration Number :	
4.	Registered office address of the Firm& Phone Number and E mail Ids :	
5.	Other Branch offices in India :	
	(i)	
	(ii)	
	(iii)	
	(iv)	
5.	Name of Directors of the Firm with Mobile Number and mail Ids :	
	Name :	Mobile Number and Email ID :
	(i)	Mobile Number : Email :
	(ii)	Mobile Number : Email :
	(iii)	Mobile Number : Email:
	(iv)	Mobile Number : Email:
7.	Details of JV/Joint Venture Partner with Declaration of Lead Member	
8.	If Manufacturer of any item, theName of products being manufactured :	
9.	Address of Manufacturing unit :	
10.	Brief details of firm's work experiences :	

SPECIFICATION FOR WHITE LED (W-LED) BASED SOLAR BASED HOME SYSTEMS(SOLAR POWER PACKS)

A solar home system (SHS) provides a comfortable level of illumination in one or more rooms of a house. The SHS consists of a PV module, control electronics, battery and luminaire(s). The Systems featuring 5 numbers of luminaires based on White Light Emitting Diode (W-LED) and could be used to run a small DC fan and/or a 12-V DC television with mobile charging. For common facilities viz. Panchayat Bhawan, school and HH electrification etc above standalone system shall be used.

The System consists of :

- SPV Module (with Module Mounting Structure) : 200 Wp
- Battery: 12.8 Volts, 80 Ahr. (approx. 1000 Watt hours minimum capacity) **Lithium Ferro phosphate / Lithium Ion.**
- Solar Charge Controller with MPPT to appropriately charge and protect the battery against overcharge.
- Load :
 - 5 Nos. of White Light Emitting Diode (W-LED) Luminaire (7.0 Watts each) for 5-5 Hrs./day
 - 1 D.C. Fan (18-20Watts) (Table Fan/ Pedestal Fan) for 5-5 Hrs./day
 - Power for a 12V DC TV (max. 25 watts) set [to be purchased separately] (Optional for 5-5 hrs./day
 - Provision for Mobile Phone Charging
- Online Monitoring shall also be conducted through mobile phone sms (feature to built in).

TECHNICAL DETAILS

PV MODULE (S):

- i. Indigenously manufactured PV modules should be used.
- ii. The PV modules should be made up of crystalline silicon solar cells and must have a certificate of testing conforming to IEC 51215 Edition II/BIS 14285 from an NABL or IECQ accredited Laboratory.
- iii. **The module efficiency should not be less than 15%.**
- iv. The terminal box on the module should have a provision for opening, for replacing the cable, if required.
- v. There should be a Name Plate fixed inside the module which will give :
 - a. Name of the Manufacturer or Distinctive Logo.
 - b. Module Number
 - c. Serial Number
 - d. Year of manufacture
- vi. A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module or inside the module lamination. .

BATTERY:

- (i) **Lithium Ferro phosphate type battery only.**
- (ii) Capacity : 12.8V, 80Ah [1000 Watt Hour (Minimum)].
- (iii) Maximum Depth of Discharge 90%
- (iv) Battery/Battery cells should conform to the latest BIS/International standards.

LIGHT SOURCE :

- (i) FIVE light sources shall be with 7.0 Watts of white LED and Light Output should be Minimum 25 Lux when measured at the periphery of 2.5 meter diameter from a height of 2.5 meter.
- (ii) At any point within area of 2.5 mtr diameter periphery the light level should not be more than three times of the periphery value.
- (iii) The illumination should be uniform without Dark Bands or abrupt variations and soothing to the eyes. Higher output would be preferred.
- (iv) The colour temperature of W-LEDs used in the system should be in the range of 5500 K-5500 K.
- (v) LEDs should not emit ultraviolet light.
- (vi) The light output from the W-LED light source should be constant throughout the duty cycle.
- (vii) The lamps should be housed in an assembly suitable for indoor use.

ELECTRONICS:

- (i) The total electronics efficiency should be at least 85%.
- (ii) Electronics should have temperature compensation for proper charging of the battery throughout the year.
- (iii) The idle current should be less than 30 mA[considering three LED indicators & Remote Monitoring].
- (iv) The voltage drop from module terminals to the battery terminals should not exceed 0.5 volts including the drop across the diode and the cable when measured at maximum charging current.
- (v) The PCB containing the electronics should be capable of solder free installation and replacement.
- (vi) Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.

ELECTRONICS PROTECTIONS:

- (i) Adequate protection is to be incorporated under "No Load" condition.
- (ii) The system should have protection against battery overcharge, deep discharge condition.
- (iii) Load reconnect should be provided at 50% of the battery capacity status.
- (iv) Adequate protection should be provided against battery reverse polarity.
- (v) Fuses should be provided to protect against short circuit conditions.
- (vi) Protection for reverse flow of current through the PV module(s) should be provide.

MECHANICAL COMPONENTS :**(i) Module Mounting Pole (MMP) :**

Module Mounting Pole (MMP) as per drawings should be installed alongwith the Hot dipped galvanised (minimum 80 microns) pole for mounting of SPV modules at site. The panel frame structure should be capable of withstanding a minimum wind load of 150 Km per hour, after grouting and installation. MMP should be of 75MM dia and 3 mm thick and 4 Meter length. MMP should be sturdy & designed to assist SPV Modules to render maximum required strength. The hardware (fasteners) used for installation of SPV Modules & MMP should be of suitable Stainless Steel (SS 304). Each MMP should be grouted as per drawing (Enclosed). Each Module should be fastened by theft proof nut-bolts.

- (ii) The frame structure should have provision to adjust its angle of inclination to the horizontal, so that it can be installed at the required tilt angle from horizontal.
- (iii) Light source should be either for wall mounted or ceiling mounted or can be hung from the ceiling in a stable manner, as per site requirements.
- (iv) A vented plastic/wooden/metallic box with acid proof corrosion resistant paint for housing the storage battery indoors should be provided.

INDICATORS:

- (i) The system should have three indicators (1) Green-----Charging under process, (2) Yellow ----Battery discharged & (3) Red ----System is in fault.

- (ii) The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.
- (iii) Yellow indicator should indicate the battery "Load Cut Off" condition &
- (iv) Red indicate that system is in fault /loose connection etc.

QUALITY AND WARRANTY :

- (i) **The Solar home system including Battery will be warranted for a period of five years from the date of supply.**
- (ii) **The PV module(s) will be warranted for a minimum period of 25 years from the date of supply.** PV modules used in Solar Home Lighting System must be warranted for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years.
- (iii) The Warranty Card to be supplied with the system must contain the details of the system. The manufacturers can also provide additional information about the system and conditions of warranty as necessary.

OPERATION and MAINTENANCE MANUAL:

An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Home System. The following minimum details must be provided in the Manual :

- (i) Basic principles of Photovoltaics.
- (ii) A small write-up (with a block diagram) on Solar Home Lighting System – its components, PV module, battery, electronics and luminaire and expected performance.
- (iii) Significance of indicators.
- (iv) Type, Model number, voltage & capacity of the battery, used in the system.
- (v) The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system must be indicated in the manual.
- (vi) Clear instructions about mounting of PV module(s).
- (vii) Clear instructions on regular maintenance and trouble shooting of the Solar Home Lighting System.
- (viii) DO's and DON'T's
- (ix) Name and address of the contact person for repair and maintenance.

**Detail of Material to be supplied for:
SPV Home Lighting System (200 Wp)**

S. No.	Item:	Capacity	Quantity	Standards
1.	PV Module	200 Watt	1 No of 200 Wp OR 2 Nos. 100 Wp.	Crystalline- Mono/Poly, Qualifying MNRE Standards.
2.	Pole with Module Mounting frame structure :	Suitable for 200 Wp Module.	1 Nos.	As per specifications.
3	Battery Bank :	Lithium Ferro Phosphate [LiFePO ₄] Battery 12.8 V(DC), 80Ah minimum Capacity	1 No.	Single cell of the battery should be of capacity : 3.2V, 40 Ah or 80Ah. Conforming to BIS/ International Standards.
4	MPPT Charge Controller with Remote Monitoring provisions.	Suitable MPPT integrated DC charge controller	1 No.	Conforming to specifications and standards.
5	Cable (Module-controller- Battery)	2Cx2.5 Sq. mm (Copper Cable)	10-12 Meter. (Minimum)	Qualifying MNRE/BIS/IEC Standards.
5	Cable (Controller – Fixtures/appliances)	2Cx1.5 Sq. mm (Copper Cable)	30 Meter. (Minimum)	Qualifying MNRE /BIS/IEC Standards.
7	Electrical Appliances to be supplied with the system:	Fixture of LED Batten type Luminaries of 7 Wp each with inbuilt driver & control Electronics.	5 No.	Conforming to specifications and standards.
		DC Fan (15-20W)	1 No.	As per specifications.
		12V, TV Socket	1 No.	Of standard quality.
		USB Port for Mobile Charging in built in charge controller with multipin connector	1 No.	Of standard quality.
8	Balance of Systems	As per requirement	As per requirement	Of certified quality standard.

Note : Housing of Battery and Charge controller :

The charge controller and Battery be housed in one enclosure [Made of Steel /PPCP/ABS/Poly Carbonate] with suitable segregation of battery and charge controller & other electronics. All connection points of the loads should be on upper /back side of the box. The steel enclosure shall be powder coated of good pleasant colour and in front side following should be written by good quality printed :

“ SOLAR HOME LIGHTING SYSTEM INSTALLED UNDER SAUBHAGYA SCHEME BY JDVNL ”

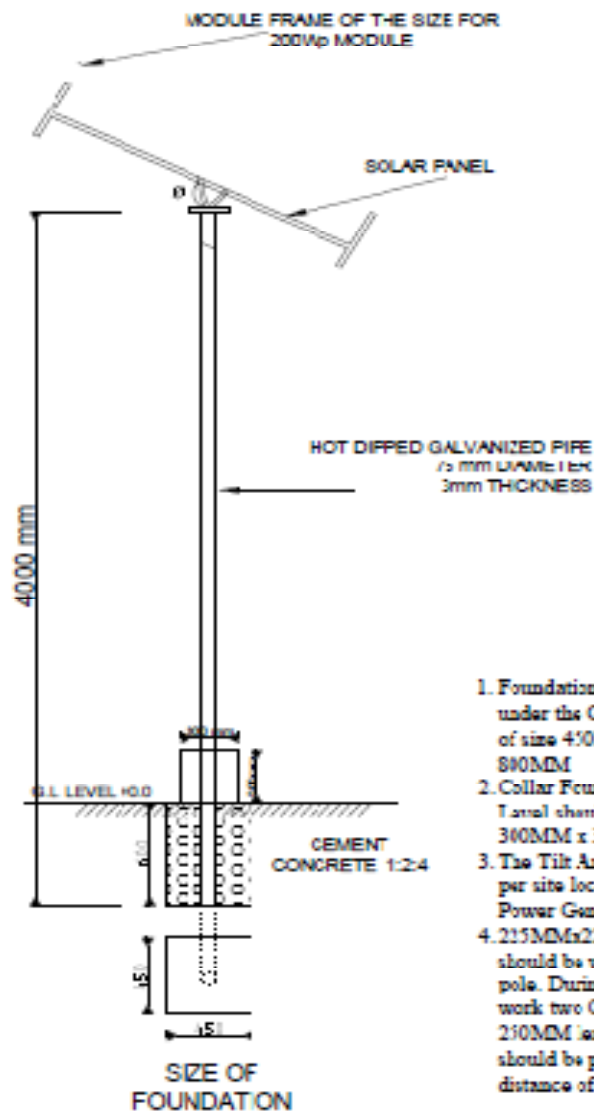
Minimum Technical Parameters:

Name of Product	S. No:	Details of Specifications :	Standards/ Parameters :	Remarks :
SPV Module :	1.	PV Capacity	200 Watt Minimum	Mono/Poly Crystalline only. Test report as per IEC/BIS standards should be furnished.
	2.	Module Efficiency	15%	
	3.	Cell Efficiency (Minimum)	15%	
	4.	Fill Factor	>70%	
Battery	1.	Lithium Ferro Phosphate (LiFePO ₄) Battery Capacity	12.8V, 80Ah (Minimum) at 25 Degree Celcius. With required quality BMS.	Test report issued by MNRE/BIS approved test house should be furnished.
	2.	Capacity of individual cell	3.2V, 40Ah or 3.2 V, 80Ah.	Cells Conforming to BIS/International Standards. Test report should be furnished.
	3.	Type of Cell	Prismatic/Cylindrical	
	4.	Nominal Capacity	80 Ah	
	5.	Voltage Range	10.5V-14.8V(+/-1%)	
	5.	Total Energy	1024 Wh	
		Configuration	4 in series and maximum 2 in parallel.	
	7.	Charging Current	10A	Rated Charge current
			20A	Maximum Charge current
	8.	Discharging Current	10A	Rated discharge current
			20A	Maximum discharge current
		Charging cut-off voltage :	14.8 V. (+/-1%)	
	9.	Discharge cut-off voltage	10.5 V.(+/-1%)	
	10.	Cycle Life	>2500 Cycles	The cycle life is defined as the number of complete charge/discharge cycle that the battery discharges to 80% capacity of its original capacity. Cycle life delivered at 25 degree C.
	11.	Working temperature Range	-20 degree C to 50degree C	
	12.	Maximum depth of discharge	90%	
	13.	Battery Management System (BMS)	(i) Disconnect or Shut down the load whenever the voltage of a battery cell falls to less than 2.5V. (ii) Stop the charging process when ever the voltage of battery cell increases to more than 3.8 V. (iii) Shut down the system whenever the temperature of cell exceed 50° C.	
		Note : Certificate of MNRE/BIS approved /authorized test lab [Attached with scope of testing authorized by BIS/MNRE to the lab] should be furnished.		
LIGHT SOURCE [LED Battens]	1.	Watt consumption	7 Watt	IES LM-79-08
	2.	Maximum current drawn	0.5 Amp	
	3.	Minimum output Lumens	90 Lumen/watt	Permissible standard tolerance maximum 3%.

	4.	Total Electronic Efficiency :	>= 85%		
	5.	Colour Temperature Range	5500-5500 Degree K.		
	Note :1. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred. The light output from the white LED light source should be almost constant.				
	4. The lamps should be housed in an assembly suitable for indoor use. The temperature of heat sink should not increase more than 30 degree Centigrade above ambient temperature even after 48 hrs of continuous operation. Heat Sink Material used in the LED batten should be of Aluminum in order to have good heat dissipation and thermal management for ensuring the better life of the luminaries with high quality Polycarbonate diffuser for achieving soft and glare free light.				
	5. Mid power LED of CREE /NICHIA /OSRAM / PHILIPS / LUMILEDS / LEDNIUM / LG Make or equivalent (Having LM 80 test report& Photo Biological safety test as per IEC-52471/2005) shall only be use.				
	6. The LEDs should have life time (L70) of minimum 50,000 hrs as per LM80.				
	7. The lumen depreciation of LED luminaire shall not be more than 30% at 35,000 burning hours.				
	[LED shall comply with LM 80 standards and copy of test certificate should be submitted. The test certificate should be from NABL & MNRE accredited lab authorized for testing of LED Luminaries as LM 79 reports.]				
	MPPT Charge Controller :	1.	Charge controller Type :	Microprocessor Based Maximum Power Point Tracking (MPPT)	
		2.	Charging Type :	CC-CV (buck charging)	
3.		BMS Integration	The CCU should be compatible with BMS of LFP Battery.		
4.		MPPT Solar Charge Controller Rating	12.8V, 20A		
5.		Charging current range	10-20 A		
5.		Solar Input Power	200Wp		
7.		Idle Current [Self Consumption]	<30mA.		
8.		Indicators	Green-----Charging under process, Yellow ----Battery discharged & Red ----System in fault.		
9.		Battery Voltage Setup :	High Volt cutoff setting – 14.8 V (+/-1%), Load disconnect at Battery low Volt:10.5(+/-1%) Volt.		
10.		Protections :	<ul style="list-style-type: none">• Surge• Overcharging/Deep discharging• Overload-Auto shutdown and restart at 50% battery level• Solar and Battery Reverse Protection• Reverse current from battery in Night.		
Certificate of MNRE authorized test lab should be furnished.					
DC Fan :	1.	Type of Fan	The fan should Non oscillating Mini Pedestal fan (Minimum 80 cm Height of centre of blade from Ground) 15-20 Watt -12Volt DC operated.		
	2.	Type of Motor :	BLDC		
	3.	Rated voltage :	12V		
	4.	Operating voltage range :	11.2 Volt to 14.5 Volt.		
		Maximum Current consumption :	1.57 Amp		
	5.	Sweep Size :	300 mm (Minimum diameter)		
	5.	Blades:	Three leaves [Aluminum Powder Coated/Acrylnitrile Butadiene styrene(ABS)/Poly		

			carbonate (PC)/ PPCP material]	Certificate of authorized test lab should be furnished.
	7.	Power Consumption :	15-20 W at 1200 RPM	
	8.	Bearings :	As per standards and requirement.	
	9.	Speed :	Three variable speeds	
	10.	Reverse Polarity Protection :	Should be provided.	
	11.	Noise level	< 30 DB.	
	12.	Air Flow/Thrust :	>30 CM/M.	
	13.	Motor should be tested for :	1. Insulation test, 2. Temperature Rise test, 3. Reliability test and 4. Noise test.	
USB Port :	1.	Maximum Rating :	1 A.	ONE USB port for mobile charging should be provided.
TV Socket :	1.	Maximum Rating :	2.5 Amp.	
Module Mounting Pole and Structure	1.	Requirement :	As per drawing enclosed.	
Remote Monitoring System :		<p>In built Remote Monitoring facility in MPPT Charge controller should be available and should provide following data record at a fixed interval for system health analysis (time interval will be finalized by JDVVNL as per requirements):</p> <ul style="list-style-type: none"> (i) Battery : BV, BI and BP (ii) SOLAR : SV, SI and SP (iii) LOAD : LV, LI and LP (iv) System Shut down due to fault. (v) Site Coordinates (Latitude and Longitude) of system. <p>The Remote Monitoring may be done using GSM/GPRS/SMS and cost for the same will be borne by the supplier.</p> <p>Centralized Software JDVVNL will develop a Centralized Software for Management of the Data. JDVVNL will share a Common API (Application Programming Interface). All the suppliers will perform the following activities:</p> <ul style="list-style-type: none"> • Follow the procedure for the consumption of the Common API • Send the Data in the prescribed format (individual household details, village, block, district and state and other fields as required) to the Centralized Server in State Data Center of Government of Rajasthan. • The data may be pushed in encrypted format. • The frequency of sending the data may be variable <p>Supplier Portal</p> <ul style="list-style-type: none"> • The data shall be stored in a central server maintained by the system supplier. • The supplier will provide Login and Passwords to JDVVNL to view the Desired Reports in prescribed formats (Common for all Suppliers) • Graphical dashboard (configurable) • The supplier will maintain the data in their software for at least of One year. • The supplier data should be in downloadable format in EXCEL & PDF. 		
Installation & Fittings		Supplier will install the system and all wires will run in the conduit with proper fittings.		

DRAWING FOR INSTALLATION OF SOLAR PANEL FOR HOUSEHOLD STAND ALONE SYSTEM



1. Foundation in Cement Concrete under the Ground Level should be of size 450MM x 450MM x 800MM
2. Collar Foundation above Ground Level should be of size 300MM x 300MM x 300MM
3. The Tilt Angle (θ) should be as per site location for optimum Power Generation of module.
4. 215MMx225MMx6MM base plate should be welded in bottom of the pole. During Concrete foundation work two Cross Iron Bars of 210MM length & 8MM thickness should be placed through pole at a distance of 200MM

Annexure-3(A)**A. SCHEDULE OF EXPERIENCE (Supply & Installation)**

(Please attach copies of work orders and satisfactory completion certificate from concerned agency for all items mentioned in this annexure)

S. No.	Details of works carried out in rural area through Off-grid SPV systems (SLS, PUMP, Minigrid except HLS/DLS,) :	Year	Deptt./Agency for which work carried out	Quantity supplied & installed.	Cost of works (in lakhs)	Documents attached at Page No.in the bid

Annexure-3(B)

S. No.	Details of Electrification works carried out in rural areas by supply & installing off-grid SPV DLS/HLS only.	Year	Deptt./Agency for which work carried out	Quantity supplied & installed.	Cost of works (in lakhs)	Documents attached at Page No.in the bid.

SIGNATURE & SEAL OF BIDDER

[Please refer section 5 – Prerequisite; to be eligible in this tender description of experience and qualifications per of annexure 3(A) & 3(B) is required].

Annexure- 3(C)**C. SCHEDULE OF EXPERIENCE (Sale & service Centres)**

(Details of after sale service existing in the state of Rajasthan)

S. No.	Name of Dealer/centre	Village	Tehsil	District	Name of contact Person & Phone Number

SIGNATURE & SEAL OF BIDDER

D. SCHEDULE OF EXPERIENCE

(Details of after sale service proposed in the state of Rajasthan)

S. No.	Name of Dealer/centre	Village	Tehsil	District

SIGNATURE & SEAL OF PROPOSER

Annexure-4**PRICE SCHEDULE**

Bidder shall quote rates / costs in the format given below for supply, installation, commissioning & maintenance of off-grid SPV Home Lighting systems as per specifications (Annexure-2) complete with all accessories, auxiliaries and components F.O.R. site including installation, commissioning and FIVE YEARS comprehensive maintenance.

S. No.	SPV System	Price offered for Supply of system FOR site unit rate inclusive of F&I and all taxes. (Rs./per system)	Price offered for Installation, Commissioning and FIVE Years Maintenance including Taxes. (Rs./per system)	Total Price per system Inclusive of Supply, F&I , installation , Commissioning with 5 years Comprehensive maintenance charges all taxes . {E=C+D} (Rs./per system)
A	B	C	D	E
1.	200 Wp SPV Home System (As per specifications)			

- Note:
- (i) The offer is valid for six months from date of opening of tender.
 - (ii) Please refer **Para No: 9.15** of tender document for benefit of deduction in tax rates.
 - (iii) L-1 will be decided on the basis of column E of above table only.
 - (iv) **This format is for information only. All bidders are advised to submit their price offers online in cover-III only.**

**Signature of the Bidder/
Authorised Signatory**

Annexure-5

**Joint Venture Agreement Format for “Award for Design, Supply, Installation, Commissioning and maintenance of
“Off-Grid Solar Photovoltaic Home Systems”
in Rajasthan under Saubhagya Scheme
(To be executed on Stamp Paper of NJS Rs. 500/-)**

THIS JOINT VENTURE AGREEMENT is entered into on thisday of2019.

BETWEEN

{....., lead member of Joint Venture} and having its registered office at _____ (Hereinafter referred to as the “**First Part**” which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

..... having its registered office at(Hereinafter referred to as the “**Second Part**” which expression shall, unless repugnant to the context include its successors and permitted assigns)

The above mentioned parties of the First and Second Part are collectively referred to as the “**Parties**” and each is individually referred as a “**Party**”

WHERE AS,

JDVVNL has invited applications (the “**Applications**”) by its NIT No: **JDVVNL/SE(CSS)//Off-grid SPV HLS/SAUBHAGYA/TN....**, for award of the Turnkey contract under “**SAUBHAGYA SCHEME**” (hereinafter called “**Project**”) in Jodhpur Discom. The Parties are interested in jointly bidding for the Project as me, NIT No: **JDVVNL/SE(CSS)//Off-grid SPV HLS/SAUBHAGYA/TN....**, of Joint Venture in accordance with the terms and conditions of the NIT document and other bid documents in respect of the Project, and

- i. It is a necessary condition under the NIT document that the members of the Joint Venture shall enter into a Joint Bidding Agreement and furnish a copy thereof with the Application.

NOW IT IS HEREBY AGREED as follows: Definitions and Interpretations

In this agreement, the capitalized terms shall, unless the context otherwise require, have the Meaning ascribed thereto under the NIT No: **JDVVNL/SE(CSS)//Off-grid SPV HLS/SAUBHAGYA/TN....**,

1. Joint Venture

The Parties do hereby irrevocably constitute a Joint Venture (the “**Joint Venture**”) for the purposes of jointly participating in the Bidding Process for the Project.

The Parties hereby undertake to participate in the Bidding Process only through this Joint Venture and not individually and/ or through any other Joint Venture constituted for this Project, either directly or indirectly or through any of their Associates.

2. Role of the Parties

The Parties hereby undertake to perform the roles and responsibilities as described below:

- (a) Party of the First Part shall be the Lead member of the Joint Venture and shall have the power of attorney from all Parties for conducting all business for and on behalf of the Joint Venture during the Bidding Process & after it once selected as successful bidder.

- (b) Party of the First Part would be responsible for successful execution of all work awarded to them by JDVVNL and in no circumstances the same shall be the responsibility of Second Part.
- (c) Party of the Second Part shall work in accordance to roles and responsibilities assigned to them from First Part as a part of their internal understanding.
- (d) Parties have agreed and documented clearly stated roles and responsibilities between First Part and Second Part for execution of work awarded by JDVVNL.

3. Joint and Several Liabilities

The Party of the First Part does hereby undertake the responsibility for all obligations and liabilities relating to the Project and in accordance with the terms of NIT document.

4. Termination

This Agreement shall be effective from the date hereof and shall continue in full force and effect until the date of validity period of Award & /Or Empanelment and further in accordance with the Letter of Award subsequently issued if bid arrives as successful. However, in case the Joint Venture is either not pre-qualified for the Project or does not get selected for Award of the work, the Agreement will stand terminated in case the Applicant is not pre-qualified.

5. Miscellaneous

This Joint Bidding Agreement shall be governed by laws of India.

The Parties acknowledge and accept that this Agreement shall not be amended by Parties without the prior written consent of the Nigam.

Party of First Part would decide on the representative of Joint Venture at Nigam.

IN WITNESS WHERE OF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED For
and on behalf of
LEAD MEMBER by:

(Signature)

(Name)

(Designation)

(Address)

In Presence of :

Witness 1

Witness 2

SIGNED, SEALED AND DELIVERED

SECOND PART

(Signature)

(Name)

(Designation)

(Address)

Witness 1

Witness 2

JODHPUR VIDYUT VITRAN NIGAM LIMITED.

New Power House, Jodhpur-342003.

TENDER FORM

**[On the letter Head of the Firm]
To be submitted with technical bid**

1. Subject: Tender for
2. Name and full postal address :
contact number and e-mail of the firm
submitting the proposal
3. To be addressed to:
**The SE (CSS) JdVVNL,
JODHPUR VIDYUT VITRAN NIGAM LIMITED,
New Power House, Jodhpur-342003,
Ph. 0291-2742335
E-mail secssjdvvnl@gmail.com**
4. Reference(NIT No):

5. The fee as per tender has been submitted/deposited as under :

S.No.	Details	Amount	Details of submission :	Remarks, if any :
1.	Tender Cost	Rs. 29500/-		
2.	e-proc charges in favour of RISL	Rs.1180/-		
3.	Bid security	As per Clause 9.1		

5. We agree to abide by all the conditions as mentioned in Tender document of NIT No:, Dated..... issued by the SE (CSS) JdVVNL, Jodhpur and (all the pages of which have been signed by us in token of acceptance of the terms mentioned therein).
7. All required documents and certificates are submitted herewith.
8. The bid offer is valid for 5 months from the date of opening of techno commercial bid.

SIGNATURE OF BIDDER
WITH SEAL.

AGREEMENT**(On NJS of Rajasthan of worth 0.25% of Contract Value (As Per Rajasthan Stamp Duty Act Prevailing at the time being in force))**

- I. An agreement made this day of Between
 (hereinafter called the "approved supplier") which expression shall, where the context so admits, be deemed to include his/ hers successors, executors and administrators, of the one part and the Jodhpur Vidyut Vitran Nigam Limited (JdVVNL) (hereinafter called "Nigam") which expression shall, where the context so admits, be deemed to include his successors in office and assigns of the other part.
- II. Whereas the approved supplier M/s.has agreed with the Nigam to take up the work under rate contract order no.....date.....and award of work order no.....date.....for work of Survey, design, supply, installation, testing commissioning and maintenance of the Off-Grid SPV Home Systems under the Saubhagya Scheme at the beneficiary's site in the allowed area of Jodhpur discom. All those articles set forth as per tender document & the Work order issued by JdVVNL at the rates set forth in the said schedule.
- And whereas the approved supplier has deposited as Performance Bank Gurantee sum of Rs. as Cash/Bank Draft/Banker Cheque/Bank Guarantee No. Dated With adjustment of Rs. deposited vide DD/BC/BG No. Dated : as BID SECURITY.
- III In consideration of the payment to be made by the Nigam through at the rates set forth in the Schedule hereto appended the approved supplier will duly supply the said articles set forth in And there of in the manner set forth in the conditions of the tender and contract.
- IV The conditions of the tender and contract for open tender enclosed to the tender notice No. dated and also appended to this agreement will be deemed to be taken as part of this agreement and are binding on the parties executing this agreement.
- V Letters Nos. received from bidder and letters Nos. issued by the Nigam and appended to this agreement shall also form part of this agreement.
- VI We are abide by all terms and conditions as per bid documents and Rate contract.
- VII All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the Nigam and the decision of the Nigam shall be final.

In witness where of the parties here to set their hands on the day of 2019.

Signature for and as behalf of
 JdVVNL
 Date: Date:

Signature of the approved
 Supplier

Witness No. 1

1. Witness

Witness No. 2

2. Witness

Annexure- 8**UNDERTAKING TO BE SUBMITTED BY A FIRM FOR FAITHFULLY CARRYING
OUT THE ASSIGNED WORK**

In consideration of the SE(CSS), JdVVNL, New Power House, Jodhpur-342003, (hereinafter called JDVVNL) having authorised us (name of the supplier), office at (hereinafter called the supplier) for installation work of DLS / HLS in un-electrified villages/dhanies and on successful completion of the job (hereinafter referred as installation and maintenance of Solar PV Home Lighting Systems) and JDVVNL having agreed to disburse the financial assistance due under the programme, Supplier does hereby undertake to carryout the RE work as per terms and condition of the RFP document and Work Order & letter of allocation issued to us by JDVVNL.

We do hereby further undertake that in case we are unable to carryout out duties as undertaken above, JDVVNL would have the right to forfeit the entire /BID SECURITY/security amount deposited by us for the said work with them.

We at (Name of the firm) further agree that the undertaking herein contained shall remain in full force and effect for the period of the year from the date of this undertaking or for such period for which this undertaking is executed.

Dated this day of 2019.

Signature of the constituted
Attorney of M/s.

**Format of Agreement between beneficiary and supplier for maintenance of
SPV off-grid Home system under Saubhagya Scheme.**

अनुबन्ध पत्र

(जोधपुर विद्युत वितरण निगम लिमिटेड के ग्रामीण विद्युतीकरण हेतु १ सौभाग्ययोजना के अन्तर्गत एस.पी.वी. उपकरण
सप्लायर व लाभान्वित के मध्य स्थापनाव संधारण के लिए किये जाने वाला अनुबन्ध पत्र)

आज दिनांकको मैं0.....(सप्लायर) व श्रीपुत्र श्री.....
.....निवासी.....जिला.....क्रय किये जाने वाले 200
वॉट एस.पी.वी. सौर गृह प्रकाश उपकरण की स्थापना के संबंध में यह अनुबन्ध निम्न शर्तों के साथ किया जा रहा है:-

यह उपकरण **जोधपुर** विद्युत वितरण निगम लिमिटेड द्वारा संचालित **सौभाग्य योजना 2018.19** के तहत लगाया जा रहा है/गया है।

सामान्य शर्तें व विभिन्न पक्षों के दायित्व:-

(1) सप्लायर के दायित्व:-

1. प्रत्येक चयनित लाभार्थी राजस्थान राज्य का निवासी होना चाहिए।
2. सप्लायर द्वारा कार्यदेश के संबंधित संलग्नक के अनुसार पूर्ण सिस्टम की स्थापना की जावेगी।
3. (प) **जोधपुर** विद्युत वितरण निगम लिमिटेड शर्तानुसार उपकरण स्थापना पश्चात् लाभार्थी को संभालने, मरम्मत के दिन उपकरण पूर्णतया कार्यशील होगा व कोई हिस्सा टूटा-फूटा या बेकार नहीं होगा।
(पप) सप्लायर लाभार्थी को देव नागरी लिपि में सिस्टम की पूर्ण जानकारी एवं क्या करें क्या ना करें तथा संचालन मैन्युअल उपलब्ध करवाएंगे।
4. इस उपकरण में वो सब सुविधायें/पार्ट्स होंगे जो कार्यदेश के संबंधित संलग्नक में दिये गये हैं।
5. उपकरण लगाने से पाँच वर्ष के भीतर ही सिस्टम खराब होने पर सप्लायर द्वारा उपकरण को ठीक कर क्रियाशील करना होगा। जिसके लिए यदि नया उपकरण लगाना पड़े तो भी सप्लायर को लगाकर उपकरण क्रियाशील करना होगा, जिसमें बैटरी भी सम्मिलित है।
5. सप्लायर के कर्मचारी बैटरी को नियमित रूप से जाँचेंगे लाभार्थी को उपकरण एवं बैटरी के उपदजमदंदबमके सम्बन्ध में पूर्ण जानकारी एवं प्रशिक्षण देंगे।
7. सप्लायर अपने कर्मचारियों/एजेन्ट को इस कार्य के लिए तहसील मुख्यालय ; वत 'ज' चतवचमत चसंबम द्वपर नियुक्त रखेंगे जिससे लाभार्थी इनसे सीधे सम्पर्क रख सकेंगे।
8. सप्लायर के कर्मचारियों/एजेन्ट को पहचान पत्र देकर रखेंगे जो दिखाने पर ही लाभान्वित उनको निवास स्थान पर प्रवेश करने देगा।
9. इस संबंध में **जोधपुर** विद्युत वितरण निगम लिमिटेड के प्रबन्ध निदेशक का फैसला अन्तिम व मान्य होगा।

(2) लाभान्वित के दायित्व:-

1. लाभान्वित उनके निवास पर लगे सिस्टम को उपकरण की क्षमतानुसार निर्दिष्ट उपकरणों को चलाने के उपयोग में ही लेगा। लाभार्थी निर्दिष्ट उपकरणों के अतिरिक्त क्षमता के उपकरणों को उपयोग में नहीं लेगा।
2. यदि लाभार्थी उपकरण के साथ निर्देशों के विपरित किसी प्रकार की अवांछित छेड़-छाड़ जैसे स्थानान्तरण, दूसरी बैटरी चार्ज करना, बैटरी को दूसरे काम में लेना सिद्ध होने पर, उपकरण की पाँच वर्ष की गारन्टी स्वतः ही समाप्त मानी जाएगी।
3. लाभान्वित सिस्टम खराब होने पर सप्लायर के कर्मचारियों को सूचित करेंगे न कि स्वयं सिस्टम को ठीक करने का प्रयास करेंगे।
4. लाभान्वित उपकरण को प्रतिदिन 5 घंटों से ज्यादा प्रयोग में नहीं लेंगे।
5. सप्लायर द्वारा रख-रखाव न करने पर नोडल अधिकारी, **जोधपुर** विद्युत वितरण निगम लिमिटेड को तत्काल सूचित करेंगे।
5. लाभान्वित लगाये गये उपकरण की सुरक्षा के लिए पूर्णतया जिम्मेदार होगा व चोरी होने पर पुलिस में तत्काल एफआईआर दर्ज करा के निगम को सूचित करेगा।

सप्लायर के अधिकृत प्रतिनिधि
नाम.....
पद.....
विभाग.....

लाभान्वित श्री.....

पुत्र श्री.....
क्या अनुजाति/जनजाति के
सदस्य है.....

ग्राम.....

ग्रामपंच.....

पंचायत समिति.....

जिला

डवइपसम छनउइमत व डिमदमपिबपंतलरु

प्रमाण-पत्र

प्रमाणित किया जाता है कि श्री.....पुत्र श्री.....निवासी.....
..... जिला.....के यहाँ मैसर्स.....द्वारा वॉट एस.पी.वी. मोड्यूल क्षमता के
संयंत्र की स्थापना **१ सौभाग्य योजना** के अन्तर्गत की गई है, यह उपकरण लाभार्थी द्वारा निर्देशित उपयोग में कार्य लिया
जावेगा। यह अनुबन्ध पत्र लाभार्थी एवं सप्लायर/सप्लायर एजेंट के मध्य दिनांक.....को निम्न हस्ताक्षरकर्ता की
उपस्थिति में किया गया ।

हस्ताक्षर मय सील
संरपंच/उप संरपंच/ग्राम सेवक/

स्थानीय राजकीय स्कूल अध्यापक

उपकरण स्थापना एवं अनुबन्ध पत्र प्रमाणित

नोडल अधिकारी,
जोधपुर विद्युत वितरण निगम लिमिटेड,

Format for system installation verification from beneficiary, Local representative
& Project Officer, JDVVNL.

उपकरण स्थापना प्रमाण-पत्र

प्रमाणित किया जाता है कि लाभार्थी श्रीपुत्र श्रीनिवासी
.....जिला.....के निवास पर मैसर्स ...
.....के अधिकृत सप्लायर द्वारा **सौभाग्य योजना के अन्तर्गत एक एस.पी.वी.**
उपकरण (200 वॉट) की स्थापना दिनांकको की गई है जो मेरे द्वारा देख ली गई है, यह
सुचारु रूप से कार्य कर रही है । फर्म द्वारा लाभार्थी को एक देव नागरी लिपी का मैनुअल, अनुबन्ध पत्र
एवं सेवा केन्द्रों तथा सम्पर्क करने वाली अधिकारीगण की सूची उपलब्ध करा दी गई है ।

हस्ताक्षर लाभार्थी

हस्ताक्षर मय सील
संरपंच/उप संरपंच/ग्राम सेवक/
जिला परिषद सदस्य/स्थानीय राजकीय स्कूल अध्यापक

जोधपुर विद्युत वितरण निगम लिमिटेड के नोडल अधिकारी की रिपोर्ट

मैंनोडल अधिकारी, जोधपुर विद्युत वितरण निगम लिमिटेड.....
उपरोक्त वर्णित एस.पी.वी. उपकरण की स्थापना बाबत लाभार्थी के संयंत्र का व्यक्तिषः निरीक्षण उपरान्त
प्रमाणित करता हूँ कि:-
(प) एस.पी.वी. उपकरण सही प्रकार के टेण्डर में वर्णित स्पेसिफिकेशन एवं निविदा शर्तों के अनुसार
स्थापित किया गया है।
(पप) लाभार्थी के निवास पर स्थापित उपकरण (200 वॉट क्षमता) सही हालत में कार्यरत है ।
(पपप) उपरोक्त वर्णित उपकरण स्थापना पर कार्य के प्रमाणन अनुसार अनुदान राशि रु.अक्षरे.....
.....की निविदा शर्तों के अनुरूप भुगतान किये जाने की अनुषंसा करता हूँ
।

हस्ताक्षर नोडल अधिकारी
मय सील

नोट: लाभार्थी के निवास पर स्थापित उपकरण निविदा शर्तों के अनुसार जॉच उपरान्त हस्ताक्षर कर इस
प्रमाण पत्र को साथ संलग्न की जावे । ।

FORMAT OF INSTALLATION CERTIFICATE

GST No:	M/s..... Address:	Phone No: Fax No: E-mail
---------	----------------------	--------------------------------

INSTALLATION CERTIFICATE**Date Of Installation:****Payment claim Note No:**

Name of Beneficiary :	Father/Husband Name :
Mobile Number:	ID details :
Resident of Dhani:	Name of Village :
Gram Panchayat :	Name of Sarpanch
Mobile No. of Sarpanch	Panchayat Samiti :
Name of District :	Caste Group: Gen/SC/ST/OBC :
Assembly Constituency :	Site Coordinates
Member of Parliament (MP) Constituency :	Longitude: Latitude :

Certified that 200 Watt PV Capacity Off-grid SPV Home Lighting system in reference to JDVVNL work order No:..... Dated:..... has been installed and commissioned at the place of beneficiary mentioned above and the system has been handed over to the beneficiary in good working condition. The details of material supplied and installed are as under :

S.No.	Item:	Quantity	Make	Serial Numbers.
1.	SPV Module of 200 Wp.	1 No.		
2.	Battery & Charge controller Enclosure having followings :			
(i)	Battery(LiFePO4) 12.8V, 80Ah.	1 No.		
(ii)	MPPT Charge Controller			
(iii)	Load Power terminals for 5 LEDs, 1Fan, TV & 1Mobile charging USB.			
3.	LED Fixtures 7 Watt each.	5 Nos.		
4.	DC Fan (15-20 Watt)	1 No.		
5.	Pole & Module frame :	1 No.		
5.	Cable			
7.	Multipin for Mobile Charging	1 No.		
8.	Other item....			

Signature of Beneficiary:

Signature of representative of Firm/dealer who
installed the system
(Name:Mob. No:)

Signature of Firm's authorised Person
With seal.

PO, JDVVNL/JDVVNL authorised officer verification.
(Name with Seal)

Payment Claim Note No:

To,
SE (CSS),
Jodhpur Vidyut Vitran Nigam Limited
New Power House,
Jodhpur.

Please arrange to release payment to M/s _____against supply,
installation and commissioning of Off-grid SPV Home Lighting Systems in reference to JDVNL,
Jodhpur work order/Target Allocation letter No. _____-dated_____
---- under "Saubhagya Yojana : 2018-19" in _____-district by _____-(self) Details
as detailed under:

S. No.	Name of Beneficiary :	Invoice No. & Date	Name of Village/Dhani	Gram Panchayat:	Panchayat Samiti	Off-grid SPV HLS Model	Payment claim amount
						Total	

Schedule Cast	Schedule Tribe	General	OBC	Total	Authorized Signature with seal of Empanelled vendor

Following are certified in reference to JDVVNL PO referred above for supply, installation & commissioning
of -----Nos. Off-grid SPV Home Lightingsystems:

1. A contract (including maintenance agreement) as per the format at Annexure -9 of Tender Document has been executed with the beneficiary.
2. The material has been supplied in good condition as per technical specification of tender document/work order.
3. The work has been completed within stipulated period / with a delay of ----- days.
4. Instruction Manual, Guarantee Card & Money Receipt has been provided to beneficiaries.
5. System has been installed at beneficiary site and working satisfactory.
6. Village wise details of installation is as per above statement.

Verified for payment of Rs. -----/- (Rs.-----) as
per terms and condition of work JDVNL order.

Signature of PM/PO/Authorised officer ,
JDVVNL, with Name & seal

**Declaration of material proposed for 200 Wp Off-grid SPV Home system supply
under Saubhaqya Scheme by the Bidder:**

Item S.No.	Detail of material proposed for supply for different models:	Make	Tested from..... { Enclose the test certificate}
1.			
2.			
3.			
4.			
5.			
5.			
7.			
8.			
9.			
.....			

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

**Compliance with the Code of integrity
and No Conflict of interest****RTPP:****Rule 80. Code of integrity.**-(1) All the officers or employees of the procuring entity shall,-

- (a) Maintain an unimpeachable standard of integrity both inside and outside their office;
- (b) act in accordance with the provisions of the Act, these rules, guidelines issued under the Act and instructions;
- (c) Not allow any bidders to have access to information on a particular procurement, before such information is available to the public at large;
- (d) Not intentionally use unnecessarily restrictive or "tailored" specifications, terms of reference or statements of work that can discourage competition;
- (e) not solicit or accept any bribe, reward or gift or any material benefit of any directly or indirectly promise of future employment from anyone, who has sought or is seeking procurement from the procuring entity;
- (f) not have a financial interest in any bidder(s) responding to a procuring entity's bidding process and any person having financial interest in any bidder shall not participate in that procurement process;
- (g) Not disclose proprietary and source selection information, directly or indirectly, to any person other than a person authorised to receive such information;
- (h) Treat all bidders in a fair and equitable manner in line with the principle of fairness, integrity and transparency in the procurement process;
- (i) provide all bidders identical information at the same time, during the bidding process;
- (j) apply the same criteria of evaluation as specified in the bidding documents, bidder registration documents or pre-qualification documents and under no circumstances new evaluation criteria shall be introduced during the evaluation process;
- (k) Not entertain any favour, recreation, presents, services, etc. from the bidders or prospective bidders;
- (l) Protect the interests of the procuring entity under all circumstances while dealing with information and information sources;
- (m) Maintain confidentiality of all bids;
- (n) Ensure that the selection of bidder is as per the bidding documents and is not influenced by personal reasons attributable to concerned officials in any manner; and
- (o) Disclose conflict of interest, if any.

(2) Any person participating in procurement process shall,

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) not misrepresent or omit information that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) not indulge in any collusion, bid rigging or anticompetitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) not obstruct any investigation or audit of a procurement process;
- (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

Rule 81. Conflict of interest.-(1) A conflict of interest for procuring entity or its personnel and bidders is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

(2) The situations in which a procuring entity or its personnel may be considered to be in conflict of interest includes, but not limited to, following:-

(a) A conflict of interest occurs when procuring entity's personnel's private interests, such as outside professional or other relationships or personal financial assets, interfere or appear to interfere with the proper performance of its professional functions or obligations as a procurement official.

(b) Within the procurement environment, a conflict of interest may arise in connection with such private interests as personal investments and assets, political or other outside activities and affiliations while in the service of the procuring entity, employment after retirement from the procuring entity's service or the receipt of a gift that may place the procuring entity's personnel in a position of obligation.

(c) A conflict of interest also includes the use of procuring entity's assets, including human, financial and material assets, or the use of procuring entity's office or knowledge gained from official functions for private gain or to prejudice the position of someone procuring entity's personnel does not favour.

(d) A conflict of interest may also arise in situations where procuring entity's personnel is seen to benefit, directly or indirectly, or allow a third party, including family, friends or someone they favour, to benefit from procuring entity's personnel's actions or decisions.

(3) A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process if, including but not limited to:-

(a) they have controlling partners in common;

(b) they receive or have received any direct or indirect subsidy from any of them;

(c) they have the same legal representative for purposes of the bid;

(d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another;

(e) A bidder participates in more than one bid in the same bidding process. However, this does not limit the inclusion of the same sub-contractor, not otherwise participating as a bidder, in more than one bid; or

(f) A bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the subject matter of procurement of the bidding process. All bidders shall provide in Qualification Criteria and Bidding Forms, a statement that the bidder is neither associated nor has been

associated directly or indirectly, with the consultant or any other entity that has prepared the design, specifications and other documents for the subject matter of procurement or being proposed as Project Manager for the contract.

Rule 82. Breach of code of integrity by the bidder.—Without prejudice to the provisions of Chapter IV of the Act, in case of breach of any provision of the code of integrity by a bidder or prospective bidder, as the case may be, the procuring entity may take appropriate action in accordance with the provisions of subsection (3) of section 11 and section 45.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Declaration by the Bidder regarding Qualifications

In relation to my/our Bid submitted to.....for procurement of..... in response to their Notice Inviting Bids No..... Dated I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

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Date:

Name :

Designation:

Address:

Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is Managing Director JDVNL Jodhpur

The designation and address of the Second Appellate Authority is Chairman, Discoms, Jaipur.

Appeals**RTPP Rule 83. Form of Appeal.-**

(1) An appeal under sub-section (1) or (4) of section 38 shall be in

Form along with as many copies as there are respondents in the appeal.

(2) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the

facts stated in the appeal and proof of payment of fee.

(3) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as

the case may be, in person or through registered post or authorised representative.

Rule 84. Fee for filing appeal.-

(1) Fee for first appeal shall be rupees two thousand five hundred

and for second appeal shall be rupees ten thousand, which shall be nonrefundable.

(2) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank payable in the name of Appellate Authority concerned.

Rule 85. Procedure for disposal of appeal.-

(1) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

(2) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-

(a) hear all the parties to appeal present before him; and

(b) peruse or inspect documents, relevant records or copies thereof relating to the matter.

(3) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

(4) The order passed under sub-rule (3) shall also be placed on the State Public Procurement Portal.

Rule 85. Repeal and savings.-All rules, regulations, orders, notifications, departmental codes, manuals, by-laws, official memoranda or circulars relating to procurement of goods, services or works provided for in these rules, which are in force on the date of commencement of these

rules, in relation to the matter covered by these rules are hereby repealed to the extent they are covered by these rules:

Provided that such repeal shall not affect the previous operation of rules, regulations, orders, notifications, departmental codes, manuals, by-laws, official memoranda or circulars, so repealed and the procurement process commenced before the commencement of these rules shall continue as per the provisions of rules, regulations, orders, notifications, departmental codes, manuals, by-laws, official memoranda or circulars, so repealed.

FORM No. 1

[See rule 83]

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal No of Before the (First / Second Appellate Authority)

1. Particulars of appellant:

- (i) Name of the appellant:
- (ii) Official address, if any:
- (iii) Residential address:

2. Name and address of the respondent(s):

- (i)
- (ii)
- (iii)

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

5. Grounds of appeal:

.....

 (Supported by an affidavit)

7. Prayer:

.....

Place

Date

Appellant's Signature

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Additional Conditions of Contract**1. Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall be according to provisions mentioned in RTPP Act 2012 & Rules 2013, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (i) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall be according to provisions mentioned in RTPP Act 2012 & Rule 2013 of the value of Goods of the original contract. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

3. Other terms & condition which are not mentioned in bid documents shall be prevail as per provision mentioned in RTPP Act 2012 & Rules 2013 made thereunder.

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Annexure-15

**Rural households electrification works of XXXXXXXX (name of district/ circle)
under Jodhpur Discom in Rajasthan under SAUBHAGYA Scheme**

(Alternative, Deviations and Exceptions to the Provisions)

Bidder's Name and Address:

**To,
Jodhpur Vidyut Vitran Nigam Limited
Office of the SE (CSS),
New Power House
Phone: 0291-2742336
E-Mail: secssjdvvn@gmail.com**

Dear Sir,

The bidder shall itemize any deviation from the Specifications included in his bid. Each item shall be listed (separate sheets may be used and enclosed with this Attachment) with the following information:

Sl. No.	Reference clause in the Specifications	Deviation	Cost of withdrawal of the deviation

The above deviations and variations are exhaustive. We confirm that we shall withdraw the deviations proposed by us at the cost of withdrawal indicated in this attachment, failing which our bid may be rejected and Bid Security forfeited.

Except for the above deviations and variations, the entire work shall be performed as per your specifications and documents. Further, we agree that any deviations, conditionality or reservation introduced in this Attachment-6 and/or in the Bid form, Price schedules & Technical Data Sheets and covering letter, or in any other part of the bid will be reviewed to conduct a determination of the substantial responsiveness of the bid.

Date:.....

(Signature).....

Place:.....

(Printed Name).....

(Designation).....

(Common Seal).....

Annexure-16

**Rural households electrification works of XXXXXXXX (name of district/ circle)
under Jodhpur Discom in Rajasthan under SAUBHAGYA Scheme**

(Specification No.:XXXXXXXXXXXXXXXXXXXXXXX)

(Declaration)

Bidder's Name and Address:

**To,
Jodhpur Vidyut Vitran Nigam Limited
Office of the SE (CSS),
New Power House
Phone: 0291-2742336
E-Mail: secssjdvvn@gmail.com**

Dear Sir,

We confirm that Bid Form have been filled up by us as per the provisions of the Instruction to Bidders. We have also uploaded price bid electronically as per the provisions of the Instruction to Bidders. Further, we have noted that the same shall be evaluated as per the provisions of the Bidding Documents.

Further, we hereby confirm that except as mentioned in the Attachment – 6 (Alternative, Deviations and Exceptions to the Provisions) hereof and/or the Covering Letter, forming part of our Bid Envelope:

- (i) there are no discrepancies/inconsistencies and deviations/omissions/ reservations to the Bidding Documents, in the price bid;
- (ii) the description of items and the unit thereof in the price schedules are in conformity with those indicated in the price schedule of the Bidding Documents without any deviation to the specified scope of work.

We also confirm that in case any discrepancies/ inconsistencies and deviations/ omissions/ reservations, as referred to in para (i) and (ii) above, is observed in the online price bid, the same shall be deemed as withdrawn/rectified without any financial implication, whatsoever to **XXXXX (Name of Employer)**. However, in case of any arithmetical errors, the same shall be governed as per the provision of ITB Sub-Clause 27.2.

Date:..... (Signature).....

Place:..... (Printed Name).....

(Designation).....

(Common Seal).....

Annexure-17**FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT/FACILITIES****BANK CERTIFICATE****Date**

This is to certify that M/s. _____ (*insert Name & Address of the Contractor*) _____ who have submitted their bid to Jodhpur Vidyut Vitran Nigam Limited (*insert name of the Employer*)..... against their tender specification Vide ref. No. for (*insert name of the package alongwith the project name*) is our customer for the past years.

Their financial transaction with our Bank have been satisfactory. They enjoy the following fund based and non-fund based limits including for guarantees, L/C and other credit facilities with us against which the extent of utilization as on date is also indicated below:

Sl. No.	Type of Facility	Sanctioned Limit as on Date	Utilisation as on Date

This letter is issued at the request of M/s. _____.

Signature _____

Name of Bank _____

Name of Authorised Signatory _____

Designation _____

Phone No. _____

Address _____

SEAL OF THE BANK

Annexure-18**FORM OF CERTIFICATE OF FINANCIAL PARAMETERS FOR QR****(Rupees in Lakhs)**

Sl. No.	Financial parameters	2017-18	2016-17	2015-16	2014-15	2013-14
1.	Net Worth					
a)	Paid up Capital					
b)	Free Reserves and Surplus*					
c)	Misc expenses to the extent not written off					
	Net Worth (a+b-c)					
2.	Annual Turnover**					

* Free Reserve and Surplus should be Exclusive of Revaluation Reserve, written back of Depreciation Provision and Amalgamation.

** Annual total Income/ turnover as incorporated in the Profit and Loss Account excluding non-recurring income, i.e. sale of fixed asset etc.

It is certified that all the figures are based on audited accounts read with auditors report and Notes to Accounts etc.

Date
Place

Certified By

(Chartered Accountants)

Membership No.

Seal

UDIN NO.

BID SECURITY FORM**(On NJS of Rajasthan of worth 0.25% of BG Value (maximum stamp duty of Rs. 25000/-))**

Bank Guarantee No.:

Date:

To

Superintending Engineer (CSS)
 Jodhpur Vidyut Vitran Nigam Limited,
 New Power House, Jodhpur
 Phone: 0291-2742336
 Fax: 0291-2745259
 e-mail: secssjdvnrl@gmail.com

WHEREAS M/s. (insert name of Bidder)..... having its Registered/Head Office at (insert address of the Bidder) (Hereinafter called "the Bidder") has submitted its Bid for the performance of the Contract for..... (Insert name of the Package).....under..... (Insert Specification No.)..... (Hereinafter called "the Bid")

KNOW ALL PERSONS by these present that WE (Insert name & address of the issuing bank) having its Registered/Head Office at (Insert address of registered office of the bank)..... (Hereinafter called "the Bank"), are bound unto Jodhpur Vidyut Vitran Nigam Limited (hereinafter called "the Employer") in the sum of..... (Insert amount of Bid Security in figures & words)..... for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said Bank this day of 20....

THE CONDITIONS of this obligation are:

- (1) If the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form; or
- (2) In case the Bidder does not withdraw the deviations proposed by him, if any, at the cost of withdrawal stated by him in the bid and/or accept the withdrawals/rectifications pursuant to the declaration/confirmation made by him in Attachment – Declaration of the Bid; or
- (3) If the Bidder does not accept the corrections to arithmetical errors identified during preliminary evaluation of his bid pursuant to ITB Clause 27.2; or
- (4) If, as per the requirement of Qualification Requirements the Bidder is required to submit a Deed of Joint Undertaking and he fails to submit the same, duly attested by Notary Public of the place(s) of the respective executant(s) or registered with the Indian Embassy/High Commission in that Country, within ten days from the date of intimation of post – bid discussion; or
- (5) In the case of a successful Bidder, if the Bidder fails within the specified time limit
 - (i) to sign the Contract Agreement, in accordance with ITB Clause 33, or
 - (ii) to furnish the required performance security, in accordance with ITB Clause 34. or
- (6) In any other case specifically provided for in ITB.
- (7) All disputes arising under the said Guarantee between the Bank and the Employer or between the contractor and the Employer pertaining to the Guarantee shall be subject to the jurisdiction of courts only at Jodhpur in Rajasthan alone.

We undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will note that the amount claimed by it is due to it, owing to the occurrence of any of the above-named CONDITIONS or their combination, and specifying the occurred condition or conditions.

This guarantee will remain in full force up to and including (Insert date, which shall be the date 30 days after the period of bid validity)..... and any demand in respect thereof must reach the Bank not later than the above date.

For and on behalf of the Bank

[Signature of the authorised signatory(ies)]

Signature_____

Name_____

Designation_____

POA Number_____

Contact Number(s): Tel._____ Mobile_____

Fax Number_____

email _____

Common Seal of the Bank_____

Witness:

Signature_____

Name_____

Address_____

Contact Number(s): Tel._____ Mobile_____

email _____

Note:

1. **In case the bid is submitted by a Joint Venture, the bid security of a joint venture must be in the name of all the partners, lead or other partner in the joint venture submitting the bid.**
2. The Bank Guarantee should be in accordance with the proforma as provided. However, in case the issuing bank insists for additional paragraph for limitation of liability, the following may be added at the end of the proforma of the Bank Guarantee [*i.e., end paragraph of the Bank Guarantee preceding the signature(s) of the issuing authority(ies) of the Bank Guarantee*]:

Quote***"Notwithstanding anything contained herein:***

1. *Our liability under this Bank Guarantee shall not exceed _____ (value in figures) _____ [_____ (value in words) _____].*
2. *This Bank Guarantee shall be valid upto _____ (validity date) _____.*
3. *We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only & only if we receive a written claim or demand on or before _____ (validity date) _____."*

Unquote

Format of Affidavit for MSME Unit

(On Non-Judicial Stamp Paper of Rs. 100/- attested by Notary Public/ First Class Magistrate)

TNTW-471

IS/oAge Yrs. Residing at
 Proprietor/Partner/ Director of M/s do hereby
 solemnly affirm and declare that :

- (a) My/Our above noted enterprise M/s has been issued acknowledgement of
 Entrepreneurial Memorandum Part - II by the District Industries Center
 The acknowledgement No. is dated and
 has been issued for manufacture of following items:

Name of Item	Production Capacity (Yearly)
--------------	------------------------------

(i)

(ii)

(iii)

(iv)

(v)

- (b) My/Our above noted acknowledgement of Entrepreneurial Memorandum Part - II has
 not been cancelled or withdrawn by the Industries Department and that the enterprise is
 regularly manufacturing the above items.

- (c) My/Our enterprise is having all the requisite plant and machinery and is fully equipped
 to manufacture the above noted items.

- (a) The present status of the firm is as per acknowledgment of Entrepreneurial
 Memorandum Part-II issued on the date of District Industries Center, _____.

Place

Signature of Proprietor/ Director/

Authorized Signatory with Stamp and Date

VERIFICATION

I, _____ S/o _____ Aged _____ Years
 residing at _____ Proprietor/ Partner/ Director of M/s

_____ verify and confirm that the contents at
 (a), (b), (c) & (d) above are true and correct to the best of my knowledge and nothing has been
 concealed therein. So, help me God.

DEPONENT

(Annexure 21)

PERFORMANCE SECURITY FORM

(On NJS of Rajasthan of worth 0.25% of BG Value (maximum stamp duty of Rs. 25000/-))

Bank Guarantee No.

Date.....

Contract No.....

.....[Name of Contract].....

To

Superintending Engineer (CSS)
Jodhpur Vidyut Vitran Nigam Limited,
New Power House,
Jodhpur (Rajasthan)

Dear Ladies and/or Gentlemen,

We refer to the Letter of Intent ("LOI") <Insert LOI No:>, issued on <Insert Date of Issue of LOI by Discom.....> by Jodhpur Vidyut Vitran Nigam Limited (hereinafter referred to as "JDVVNL"/ "Employer"), having its Registered Office at New Power House, Jodhpur-342003 (Rajasthan), **on behalf of Government of Rajasthan (hereinafter referred to as 'GoR' / 'Owner')**, to M/s (Name of Contractor), having its Principal place of business at (Address of Contractor) and Registered Office at (Registered address of Contractor) ("the Contractor") concerning **"Rural households electrification works in <.....Insert name of District....> which inter-alia include** for the work of design, supply, installation, commissioning & 5 years comprehensive maintenance of white led (w-led) based off-grid solar home lighting systems" for electrification of ue hhs in villages & dhanies under "saubhagya scheme

for the complete execution of the Lot Specification No:..... for rural households electrification works of <.....Insert name of District....> District under JDVVNL in Rajasthan under SAUBHAGYA Scheme on turnkey basis, and the LOI having been accepted by the selected Contractor vide <.....Insert Letter No....>, resulting in Letter of Award to be issued and Contract Agreement to be entered into. [Applicable for Bank Guarantees issued by Contractor/Associate for those Contracts awarded to them]

Or (Select Option accordingly as applicable)

We refer to the Letter of Intent ("LOI") <Insert LOI No:>, issued on <Insert Date of Issue of LOI by Discom.....> by Jodhpur Vidyut Vitran Nigam Limited (hereinafter referred to as "JDVVNL"/ "Employer"), having its Registered Office at New Power House, Jodhpur-342003 (Rajasthan), **on behalf of Government of Rajasthan (hereinafter referred to as 'GoR' / 'Owner')**, to M/s (Name of Contractor), having its Principal place of business at (Address of Contractor) and Registered Office at (Registered address of Contractor) ("the Contractor")

and M/s (Name of Associate), having its Principal place of business at(Address of Associate) and Registered Office at(Registered address of Associate), the Associate of the Contractor, for executing the Facilities concerning **“Rural households electrification works in <.....Insert name of District....> which which inter-alia include** for the work of design, supply, installation, commissioning & 5 years comprehensive maintenance of white led (w-led) based off-grid solar home lighting systems”for electrification of ue hhs in villages & dhanies under“saubhagya scheme , for the complete execution of the Lot Specification No: for rural households electrification works of <.....Insert name of District....> District under JDVVNL in Rajasthan under SAUBHAGYA Scheme on turnkey basis, and the LOI having been accepted by the selected Contractor vide <.....Insert Letter No....>, resulting in Letter of Award to be issued and Contract Agreement to be entered into. [Applicable for Bank Guarantees to be issued by Contractor against those Contracts awarded to their Associate]

By this letter we, the undersigned,(insert name & address of the issuing bank), a Bank (which expression shall include its successors, administrators, executors and assigns) organized under the laws of and having its Registered/Head Office at(insert address of registered office of the bank)..... do hereby irrevocably guarantee payment to the Employer up to i.e., Ten percent (10%) of the Contract Price until ninety (90) days beyond the 60 months from the date of successful installation of last system i.e., upto and inclusive of (dd/mm/yy).

Or (Select Option accordingly as applicable)

By this letter we, the undersigned,(insert name & address of the issuing bank), a Bank (which expression shall include its successors, administrators, executors and assigns) organized under the laws of and having its Registered/Head Office at(insert address of registered office of the bank)..... do hereby irrevocably guarantee payment to the Employer up to i.e., Two percent (2%) of the Contract Price (instead of 10% Performance Security for completing contractual formalities as contractor is agree to furnish an undertaking to the Employer in respect of remaining 8% Performance Security be recovered from his first three running Bills, failing which Employer shall be entitled to invoke this Bank Guarantee) until ninety (90) days beyond the 60 months from the date of successful installation of last system i.e., upto and inclusive of (dd/mm/yy).

We undertake to make payment under this Letter of Guarantee upon receipt by us of your first written demand signed by the Employer duly authorized officer or the authorized officer of **Owner** declaring the Contractor to be in default under the Contract and without cavil or argument any sum or sums within the above named limits, without your need to prove or show grounds or reasons for your demand and without the right of the Contractor to dispute or question such demand.

Our liability under this Letter of Guarantee shall be to pay to the Employer whichever is the lesser of the sum so requested or the amount then guaranteed hereunder in respect of any demand duly made hereunder prior to expiry of the Letter of Guarantee, without being entitled to inquire whether or not this payment is lawfully demanded.

This letter of Guarantee shall remain in full force and shall be valid from the date of issue until ninety (90) days beyond the 60 months from the date of successful

installation of last system i.e. upto and inclusive of (dd/mm/yy) and shall be extended from time to time for such period (not exceeding one year), as may be desired by <M/s. >on whose behalf this Letter of Guarantee has been given.

Except for the documents herein specified, no other documents or other action shall be required, notwithstanding any applicable law or regulation.

Our liability under this Letter of Guarantee shall become null and void immediately upon its expiry, whether it is returned or not, and no claim may be made hereunder after such expiry or after the aggregate of the sums paid by us to the Employer shall equal the sums guaranteed hereunder, whichever is the earlier.

All notices to be given under shall be given by registered (airmail) posts to the addressee at the address herein set out or as otherwise advised by and between the parties hereto.

All disputes arising under the said Guarantee between the Bank and the Employer or between the contractor and the Employer pertaining to the Guarantee shall be subject to the jurisdiction of courts only at Jodhpur in Rajasthan alone.

We hereby agree that any part of the Contract may be amended, renewed, extended, modified, compromised, released or discharged by mutual agreement between you and the Contractor, and this security may be exchanged or surrendered without in any way impairing or affecting our liabilities hereunder without notices to us and without the necessity for any additional endorsement, consent or guarantee by us, provided, however, that the sum guaranteed shall not be increased or decreased.

No action, event or condition which by any applicable law should operate to discharge us from liability hereunder shall have any effect and we hereby waive any right we may have to apply such law so that in all respects our liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.

For and on behalf of the Bank

[Signature of the authorised signatory(ies)]

Signature_____

Name_____

Designation_____

POA Number_____

Contact Number(s): Tel._____ Mobile_____

Fax Number_____

email _____

Common Seal of the Bank_____

Witness:

Signature_____

Name_____

Address_____

Contact Number(s): Tel._____ Mobile_____

email_____

Note:

1. For the purpose of executing the Bank Guarantee, the non-judicial stamp papers of appropriate value shall be purchased in the name of Bank who issues the 'Bank Guarantee'.
2. The Bank Guarantee shall be signed on all the pages by the Bank Authorities indicating their POA nos. and should invariably be witnessed.
3. The Bank Guarantee should be in accordance with the proforma as provided. However, in case the issuing bank insists for additional paragraph for limitation of liability, the following may be added at the end of the proforma of the Bank Guarantee [*i.e., end paragraph of the Bank Guarantee preceding the signature(s) of the issuing authority(ies) of the Bank Guarantee*]:

Quote

"Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed _____
(*value in figures*)_____ [*_____ (value in words)*_____].
2. This Bank Guarantee shall be valid upto _____ (*validity date*)_____.
3. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only & only if we receive a written claim or demand on or before _____ (*validity date*) _____."

Unquote