ऊर्जा विभाग
झारखण्ड सरकार

GOVERNMENT OF INDIA
MINISTRY OF NEW
AND RENEWABLE ENERGY

झारखंड बिजली वितरण निगम लिमिटेड
Jharkhand Bijli Vitran Nigam Limited

झारखण्ड बिजली वितरण निगम लिमिटेड के द्वारा चयनित ऐजेंसी के माध्यम से 5 वर्षों तक रख–रखाव सहित घरेलु परिसर मे सरकारी अनुदान पर

सोलर प्लांट के अधिष्ठापन हेतु 03 किलोवाट तक 40 % , 03 से अधिक तथा 10 किलोवाट तक 20 % एवं हाउसिंग सोसयटी हेतु 500 किलोवाट तक 20 % अनुदान सरकार द्वारा दी जाएगी जबकि शेष राशि लाभुक द्वारा देय होगा, जो निम्नवत है:–

Categories	Solar Capacity (kWp)	MNRE Benchmark Cost (Per KWp) (GST extra)	Solar System Cost (per KWp) in Jharkhand (GST extra)	Total Project Cost in Jharkhand (In Rs.) (GST extra)	Total Govt Subsidy based on MNRE Benchmark rate (GST extra) (In Rs.)	Total Upfront Amount Payable By the Beneficiary (Rs) (GST extra)
A (1 kW)	1	₹ 46,923	₹ 52,554	₹ 52,554	₹ 18,769	₹ 33,785
B (2 kW)	2	₹ 43,140	₹ 48,317	₹ 96,634	₹ 34,512	₹ 62,122
C(3 kW)	3	₹ 42,020	₹ 47,062	₹ 1,41,186	₹ 50,424	₹ 90,762
D (Above 3 kW and up to 10 kW)	4	₹ 40,991	₹ 42,796	₹ 1,71,184	₹ 57,387	₹ 1,13,797
	5			₹ 2,13,980	₹ 65,586	₹ 1,48,394
	6			₹ 2,56,776	₹ 73,784	₹ 1,82,992
	7			₹ 2,99,572	₹ 81,982	₹ 2,17,590
	8			₹ 3,42,368	₹ 90,180	₹ 2,52,188
	9			₹ 3,85,164	₹ 98,378	₹ 2,86,786
	10			₹ 4,27,960	₹ 1,06,577	₹ 3,21,383
E (Above 10 to 100 kW)		₹ 38,236	₹ 41,101	For Individual Households :- 40 % subsidy for first 1-3 KW then 20 % subsidy for above 3 to 10 KW & No subsidy for above 10 KW		
				For Group Housing Society / Residential Welfare Association etc for common Facility – 20 % flate subsidy will be applicable.		

Note:

1. उपरोक्त अनुदान की राशि MNRE द्वारा निर्धारित नियम एवं शर्तों के अनुसार लागू होगी जो तय की गई बेंच मार्क लागत पर प्रतिशतता आधारित होगी।
2. लाभुक को चयनित एजेसीयों द्वारा सोलर प्लांट का अधिष्ठापन करने पर ही अनुदान / सब्सिडी का शुरूआती लाभ मिलेगा।
3. इस योजना के अंतर्गत सोलर प्लांट लगवाने हेतु , लाभुक अपने हिस्से की कुल राशि (सोलर प्लांट की कुल लागत राशि मे से सब्सिडी राशि को घटाकर) चयनित एजेंसियो को सीधे भुगतान कर सब्सिडी का शुरूआती लाभ ले सकते हैं।
4. इस योजना के अंतर्गत एजेंसी द्वारा Solar Panel (Poly Crystalline), On -Grid Inverter, AC & DC Cables, Structures, earthing kit, AC & DC junction box & panels, Signage Board, Lightning Arrestor एवं संबंधित जरूरती सामग्री (BoS items) की आपूर्ति एवं अधिष्ठापन किया जाएगा। बैटरी, एवं इससे संबंधित अन्य अतिरिक्त सामग्री के मॉग किये जाने पर लाभुकों को अतिरिक्त राशि का भुगतान करना होगा।
5. उपरोक्त लागत में आवेदन शुल्क, पंजीकरण शुल्क, नेट मीटर का मूल्य एवं मीटर टेस्टिंग शुल्क सम्मिलित नहीं है, अतः लाभुक को उक्त सामग्री हेतु अलग से देय होगा।
6. उपरोक्त लागत के अतिरिक्त सरकार द्वारा निर्धारित GST देय होगा।

अपने घर / सोसायटी में सौर ऊर्जा लगायें साथ ही भारी बिजली बिल से राहत पाएं।

☺आवेदन करने ओर अधिक जानकारी के लिए झारखण्ड बिजली वितरण निगम लिमिटेड के वेबसाईट **www.jbvnl.co.in** विजिट करें अथवा नजदीकी सहायक विद्युत अभियंता के कार्यालय तथा अंचल कार्यालय स्तर के नोडल पदाधिकारी से सम्पर्क करें। सहायता के लिए झारखण्ड बिजली वितरण निगम लिमिटेड द्वारा चयनित एजेंसी से भी सम्पर्क किया जा सकता है।

सोलर अधिष्ठापन के लिए आवेदन कैसे करें

1. झारखण्ड बिजली वितरण निगम लिमिटेड के विद्युत उपभोक्ता ही ग्रीड कनेक्टेड सोलर के लिए आवेदन भर सकते हैं।
2. सोलर आवेदन के लिए सर्वप्रथम आवेदक को झारखण्ड बिजली वितरण निगम लिमिटेड के Suvidha Portal में User ID एवं Password बनाना होगा। तत्पश्चात आवेदन भरने के लिए JBVNL portal में login करना होगा।
3. आवेदक को विद्युत आपूर्ति अवर प्रमण्डल (Electric Supply Sub Division) का नाम, अपना उपभोक्ता संख्या (Consumer No.) तथा विद्युत भार (Contract Demand) को विद्युत विपत्र के अनुसार आवेदन में सही–सही प्रविष्टि करना होगा।
4. आवेदक को Net Metering के लिए ऑनलाईन आवेदन करना होगा।
5. आवेदक को सोलर क्षमता के अनुसार सब्सिडी का शुरूआती लाभ लेने हेतु झारखण्ड बिजली वितरण निगम लिमिटेड के द्वारा अधिकृत वैसे एजेन्सी का चयन करना होगा जिससे वह अधिष्ठापन का कार्य कराना चाहतें हों। Empaneled Agency का नाम एवं पता अगले पृष्ठ पर उपलब्ध हैं।
6. आवेदक को सोलर लगान हेतु सुनिश्चित करना होगा कि उनके यहाँ पर्याप्त मात्रा में खूला छत या खाली जमीन हो जहाँ सूर्य की रोशनी पहुँचता हो। 01 KWp सोलर संयत्र अधिष्ठापन के लिए कम से कम 110 वर्ग फीट जगह की आवश्यकता होगी।
7. आवेदक अपने विद्युत भार (Contracted Load' or 'Sanctioned Load' or 'Contract Demand) के बराबर अथवा उस से कम क्षमता का सोलर सिस्टम लगवाने के लिए ही पात्र होंगें। विद्युत भार से अधिक क्षमता का सोलर लगाने के लिए अनुमति नहीं दी जाएगी तथा उनके उक्त आवेदन को अस्वीकृत किया जाएगा।
8. ऑनलाईन आवेदन भरते समय आवेदक को निगम द्वारा जारी की गई वर्तमान (latest) Electricity Bill एवं अपना Aadhar Card की छायाप्रति अपलोड करना होगा।
9. आवेदक को शुरूआत में आवेदन शुल्क एवं सोलर संयत्र अधिष्ठापन के उपरांत पंजीकरण शुल्क ऑनलाईन जमा करना होगा जो निम्न प्रकार है:–

Sl. No.	Connected Load / Contract Demand	Application Fee	Registration Fee
1	Upto 50 KW/63 KVA	Rs. 250/-	Rs. 1000/-
2	Above 50 KW and upto 1 MW	Rs. 750/-	Rs. 2500/-
3	Above 1 MW and upto 2 MW	Rs. 1500/-	Rs. 5000/-

10. सोलर उपभोक्ता को नेट मीटर स्वंय के खर्च पर लगाना होगा, जिसके लिए Meter Testing Fee निगम के नियनानुसार देय होगा।
11. आवेदन के लिए लिंक www.jbvnl.co.in or https://suvidha.jbvnl.co.in/ Click करें।

List & contact details of the empanelled/registered agencies in JBVNL for installation of Grid Connected Rooftop Solar Power Plant at residential consumers premises in Jharkhand under MNRE phase-II Program

Sl. No	Name of the Empanelled Agencies	Empanelled for Category	Address	Email Id	Contact No.
1	AD Enterprises	A, B & C	Eureka Campus, Near Shyam Sundar School, Castairs Town, Deoghar, Jharkhand – 814112	satyendrachouraisia92@gmail.com	7903257193
2	M/S Kumar Construction	D & E	3rd Floor, Chetar Road, Gumla-835207	kumarconstructionltd@gmail.com	9431182886, 8210350945
3	Bharat Saur Urja	C, D & E	Plot No 700, Bari Co-operative Colony, Bokaro Steel City, Jharkhand 827012	kumarbharatsaururja@gmail.com	8092838008/8603170554
4	Dakshayani Enterprises	C & D	Ground Floor, Maa Tara, Kilburn Colony, Hinoo, Ranchi-834002	d.entranchi@gmail.com or connect@dentsolar.com	7070278178 / 9852229487
5	Eastern Trade Agency	A, B, C, D & E	5, Main Road, Opp. Ranchi Club Ltd. Ranchi, Jharkhand-834001	office@eta.com.co	9031041500
6	GenYself Solar Solutions Pvt ltd	A, B, C, D & E	House No 1086 Ranchi Upper Chutia Near Indira Gandhi Chowk Ranchi 834001 Jharkhand Ranchi	info@photongalaxy.com	9798747558
7	Ishaan Solar Power Private Limited	B, C, D & E	Bascon Futura IT Park, 10/2, Venkat Narayan Road, T. Nagar, Chennai TN 600017 IN	ishaan_ts@ishaansolar.com	9334761202
8	Katyani Energy Solution Pvt Ltd.	A, B, C, D & E	138B/1, 3d Floor, Mohammadpur Village, Behind August Kranti Bhawan, New Delhi-110066	katyanienergy@gmail.com/ kesbidding@gmail.com	9868615189

9	Photon Urja Solutions	D	4th Floor, S. S Complex, Main Road, Hinoo, Ranchi-2, Jharkhand	photonurja@gmail.com	9430444019
10	R.T Enterprises	C	Plot No 885, Ward No. 34, C/O Fredrick Kujur, Hehal Bajra, Ranchi, Jharkhand 834005	rtenterprises.ranchi@gmail.com	8340552020
11	Ramshethu Electrical and Mechanical Solutions Pvt. Ltd.	C & D	NEAR SHIVJI MANDIR,, SIJHUA VILLAGE, P.O BARIYATH, P.S-ICHAK, Hazaribag, Jharkhand, 825402	ramsethu.spl@gmail.com	8235016886
12	Ranchi Partners Management Consultants Private Limited	C & D	499-A-2 PP Compound, 1st Floor, SHIVALIK, Singhi Marg, Ranchi 834001	dbera@outlook.com	735285127
13	Shyam Kumar	A, B, C, D & E	Rasik pur Bagan, Sabita Sadan, Dumka, Jharkhand - 814101	shyamkumar_dumka@yahoo.com	9540012005
14	Sologix Energy Private Limited	D	Second Floor, Tower 2, STPI, Namkum, Ranchi-834010	amit@sologix.in / anil@sologix.in	8287766474/ 7838498478
15	Soura Renewable Enrgy Private Limited	C,D & E	1B, Srinivas Apartment, Uppar Shivpuri, kanke road, Ranchi, Jharkhand-834008	Keshav.india@gmail.com	8084383039
16	Sunlight Solar Energy	A, B, C, D & E	Akash Telecom, Bhoura Road, Jamadobha, Dhanbad (Jharkhand)	sunlightsolar12@gmail.com	9031944191/ 9507153182
17	Switcher	B	2611095, Omprakash Nagar, Basargarh, Hatia, Ranchi 834003, Jharkhand	Switcher.ranchi@gmail.com	8986647691
18	Universal Consultancy Services	A, B, C & D	Dam Side Road, Opposite Gandhi Nagar Gate, kanke Road, Ranchi-834006	daman@universalconsultancyservice.com	9955998440/ 9939571493

Work Category	Empanelled for Solar Capacity
A	1 kW
B	2 kW
C	3 kW
D	4 kW to 10 kW
E	11 kW and Above

Entire process for installation of on Grid Rooftop Solar System

Process 1	Process 2	Process 3	Process 4	Process 5
Application Process:- *Online application filling, Fee payment, online application receipt / acknowledgment.*	**Feasibility Check Process:-** *Feasibility check and online approval for installation of Rooftop Solar System.*	**RTS Installation Process:-** *Uploading RTS installation related documents.*	**NET Metering Registration Process:-** *Apply online for Solar registration/ deposit Registration fee, NET Meter testing fee / get registration acknowledgement/ Net Meter testing & Net Meter interconnection agreement signing.*	**Commissioning Process:-** *Net Meter installation, Signing of PCR, JIR & PIR etc as required. Updating of Net meter details to the SUVIDHA Portal and Initiation of Billing Process*

Note:- *Entire work under MNRE subsidy scheme, Empanelled agency has to help and guide their beneficiary (applicant) as per need.*

Steps to Install Rooftop Solar Power Plant & Inter-connection to the grid

STEPS	ACTIVITY	RESPONSIBILITY
Step-1	Filling of Online Application for Rooftop Solar and Application Fee Submission using JBVNL Portal: http://suvidha.jbvnl.co.in/	CONSUMER [Consumers shall first clear the dues of electric connection then submit the online application by depositing application fee to the AEE/Manager (Tech) of concerned Electric Supply Sub-Division as per format available in portal & in next page also]
Step-2	Generate Online Acknowledgment receipt of Application	JBVNL
Step-3	Site Verification / Technical Feasibility & issuance of online Letter of Approval (LOA) / Termination as case may be	JBVNL [AEE of the concerned Electric Supply Sub-Division will prepare the feasibility report in the prescribed format available in Portal (Format for feasibility report is also available in next page) and shall issue online approval letter to the applicant/ consumer after getting approval from the competent authority as per table –I given below.
Step-4	Solar System Installation as per approved makes and standards required	EMPANELLED AGENCY / CONSUMER
Step-5	Online registration for connectivity with Grid system of installed Rooftop Solar PV System and fee (Registration fee & Meter testing fee) payment by login to http://suvidha.jbvnl.co.in/	CONSUMER [Consumer shall submit the online registration by depositing registration fee for Net metering connection/inter connection with Grid system of their solar

		plant with uploading required document ie. Photograph, Single Line Diagram of RTS,Technical Specification along with Guarantee/Warrantee Certificate etc
Step-6	Execution of Net Metering Agreement *(in prescribed format available in portal)*	JBVNL (Officers responsible as per DoFP & prevailing practice of JBVNL) & CONSUMER
Step-7	Net-Meter Testing, Installation and Commissioning (interconnection & Synchronization of Rooftop Solar system to the grid)	JBVNL, CONSUMER & EMPANELLED AGENCY [Consumers shall purchase NET METER as per the JBVNL norms and requirement and submit for meter testing & installation to concerned AEE]
Step-8	Project Inspection and then Signing of Project Completion Report (PCR) & Joint Inspection Report (JIR) *(in prescribed format available in portal)*	1. JBVNL & EMPANELLED AGENCY: **PCR** 2. JBVNL , EMPANELLED AGENCY & CONSUMER: **JIR**
	Following documents to be uploaded / submit to complete solar Project for subsidy claim 1. Claim letter for CFA (in prescribed format available in portal as Annexure-A) 2. PCR (Project Completion Report) (in prescribed format available in portal as Annexure-B) 3. Tax Invoice to Consumer (in prescribed format available in portal as Annexure-C) 4. JIR (Joint Inspection Report) (in prescribed format available in portal as Annexure-D) 5. PIR (Project Information Report) (in prescribed format available in portal as Annexure-E) 6. Declaration for ALMM (in prescribed format available in portal as Annexure-F) 7. DCR (Domestic Content Requirement) Undertaking (in prescribed format available in portal as Annexure-G) 8. Inter connection agreement (Net Metering Agreement) (in prescribed format available in portal as Annexure-H) 9. Latest Electricity bill 10. Aadhar Card 11. Plant & Beneficiary Photo : Photographs with Geo Co-ordinate of the system with placard held by the beneficiary and representative of Agency showing the name of the	JBVNL, CONSUMER & EMPANLLED AGENCY

	beneficiary, DISCOM electricity number and system capacity. 12. IEC/Test Certificates of Solar PV Module & Inverter. 13. Warrantee Certificate (5 / 25 years) for Solar System (SPV module) & Inverter respectively 14. Guarantee and warranty certificates of the equipment's along with serial numbers of the modules and inverter in the letter head of the agencies. 15. Technical Specification and other particulars of Renewable Panel, Grid Tied Inverter and Interlocking System etc. 16. Technical specifications and other particulars of Renewable energy meter (Net Meter. 17. SLD (Single Line Diagram) for installation of the Rooftop Solar PV System. 18. JBVNL Approval letter (Generated through Online**)**	
Step-9	Updating of Net meter details to the SUVIDHA Portal and Initiation of Billing Process	DISCOM (Officers responsible as prevailing practice of JBVNL)

Circle wise list of Nodal Officer

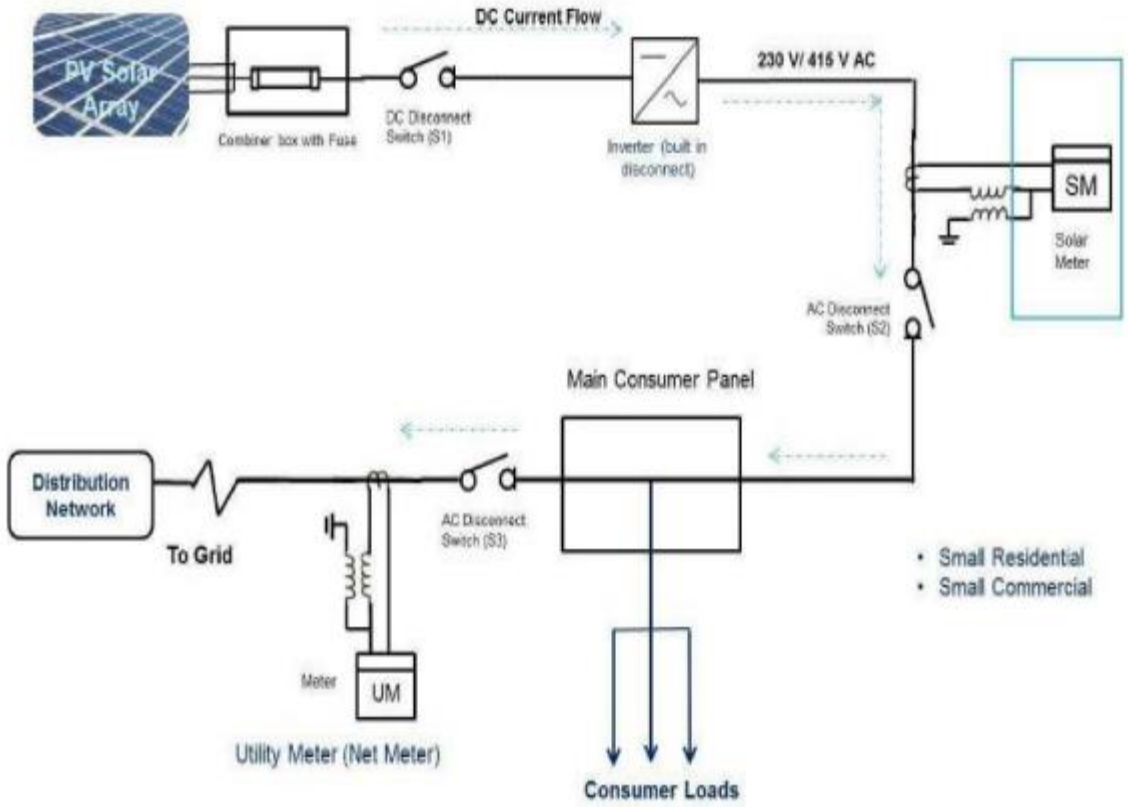
Sl.	Circle Office	Name of Nodal Officers	Designations & Posting	Mobile No.
1	Ranchi	Rajesh Kumar Mishra	EEE, MRT Div. Ranchi	9431135611
2	Gumla	Sushil Bhagat	EEE, ESD, Gumla	9431135617
3	Jamshedpur	Maheshwar Kumar	EEE(C&R), ESC, Jamshedpur	7004265385
4	Chaibasa	Mukul Kumar	EEE(C&R), ESC, Chaibasa	8651479156
5	Daltanganj	Ravi Prakash	EEE, MRT Div. Daltanganj	7488976505
6	Garhwa	Shakil Alam	EEE(C&R), ESC, Garhwa	9798143603
7	Hazaribagh	Nawlesh Kumar	EEE, MRT Div. Haaribagh	8809944991
8	Ramgarh	Lal Bihari Ranjan	EEE(C&R), ESC, Ramgarh	8210103131
9	Koderma	Natthan Rajak	EEE(Tech), ESC, Koderma	9199639011
10	Giridih	Pranav Tiwari	EEE, MRT Div. Giridih	7542973449
11	Deoghar	Pradeep Kr Vishwakarma	EEE, MRT Div. Deoghar	8809088144
12	Dhanbad	Anand Kaushik	EEE, MRT Div. Dhanbad	9431222651
13	Chas	Umesh Kr Ram	EEE, MRT Div. Chas	9931380102
14	Dumka	Prem Prakash Minz	EEE, MRT Division, Dumka	9162416643
15	Sahibganj	Alakh Pujari	EEE, MRT Division, Sahibganj	7488076283
16	IT Department	Amit Kumar Sharma	EEE (IT), IT Cell JBVNL	9934989816

Note:- *Applicant may contact concerned Manager (Tech), Seniour Manager (Tech) for details and query. For resolving any difficulties may contact DGM (Tech), Electric Supply office*

The location of appropriate meter(s) shall be in accordance with the CEA (Installation and Operation of Meters), Regulations, 2006 as amended from time to time and the JSERC (Electricity Supply Code) Regulations, 2015 as amended from time to time.

i. Two meter Configuration without Storage

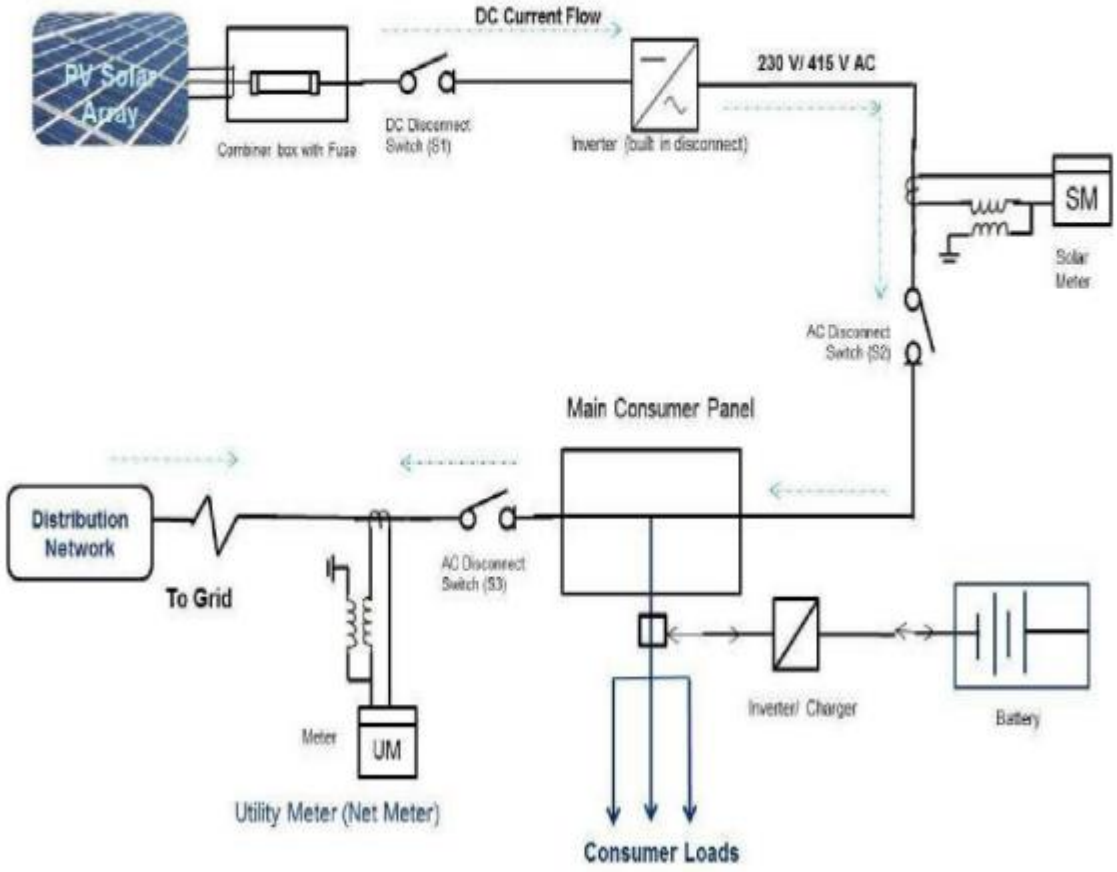
The metering protocol for 'Grid connected rooftop Solar PV system without storage' and location of solar meter and consumer meter shall be in accordance with the schematic below:



The eligible consumers or third party owners using net metering arrangement may be allowed to use a battery backup system in conjunction with their net metering system. A sample pictorial representation is given below:-

ii. Two meter configuration with Storage

The metering protocol for 'Grid connected rooftop solar PV system with storage' and location of Solar Meter (SM) and Utility/ Net Meter (NM) shall be in accordance with the schematic below:



Rooftop Solar Connectivity Level

"The connectivity levels at which the rooftop solar PV system shall be connected with the distribution system are as specified below:

S. No.	***Connected Load / Contract Demand of Eligible Consumer***	***Connectivity Level***
1.	*Up to 5 kW*	*Single phase at 230 V*
2.	*5 kW and above up to 50 kW / 63 kVA*	*3 Phase, 4 wire at 415 V*
3.	*Above 50 kW and up to 1 MW*	*3 Phase at 6.6kV,* *3 Phase at 11 kV*
4.	***Above 1 MW and up to 2 MW***	***3 Phase at 22 kV,*** ***3 Phase at 33 kV***

"

Application and Registration fee for Rooftop Solar

"APPLICATION FEES

S. No.	***Connected Load / Contract Demand of Eligible Consumer***	***Amount***
1.	*Up to 50 kW / 63 kVA*	*Rs 250*
2.	*Above 50 kW and up to 1 MW*	*Rs 750*
3.	***Above 1 MW and up to 2 MW***	***Rs. 1500***

The amount of application fee for eligible consumer and third party ***owner****other than the owner of the premises shall be the amount mentioned above.*

REGISTRATION FEES

S. No.	***Connected Load / Contract Demand of Eligible Consumer***	***Amount***
1.	*Up to 50 kW / 63 kVA*	*Rs 1000*
2.	*Above 50 kW and up to 1 MW*	*Rs 2500*
3.	***Above 1 MW and up to 2 MW***	***Rs. 5000***

The amount of registration fee for eligible consumer and third party owner other than the owner of the premises shall be the amount mentioned above.

APPLICATION FOR ROOFTOP SOLAR PV SYSTYEM

1.	Name Full Address of Consumer Applicant		
2.	Consumer No. (CA.NO.) (Owner of the premises)		
3.	Category (Domestic / Non Domestic / Commercial etc. specify) (Owner of the premises)		
4.	Telephone No	Res:	Mob:
5.	E-mail address		
6.	Sanctioned Load		
7.	Capacity of Rooftop Solar PV System proposed to be connected		
8.	Whether the Consumer is under ToD billing system (Owner of the premises)		Yes/No
9.	Whether the Consumer or third party owner shall avail accelerated depreciation benefits on the Rooftop Solar PV system		Yes/No
10.	Type of Rooftop Solar PV System proposed (Net Metering)		
11.	Location and address of Proposed Rooftop Solar PV System (rooftop, ground, any other – specify)		
12.	Preferred mode of Communication (Post/By Hand/Electronic etc. – specify)		

Place: Signature of Eligible Consumer/Third Party owner

TECHNICAL DATA FORMAT FOR FEASIBILITY CLEARANCE/APPROVAL OF ROOF TOP SPV POWER PLANT

(To be filled by JEE/AEE)

1.	Name of Consumer:	
2.	Name of Address/Location:	
3.	Contact No. and E-mail ID:	
4.	Consumer No.:	
5.	Application No:	
6.	Name of Sub-Division :	
7.	Name of Division:	
8.	Name of Circle:	
9.	Sanctioned load / CD of Consumer with category and supply voltage	
10.	Capacity of proposed SPVPP (in kW):	
11.	Name /Location of feeding Transformer:	
(i)	Capacity of above Transformer:	
(ii)	Connected Load (kVA) on the Transformer:	
(iii)	Maximum Demand in Amps:	
(iv)	No. of LT Ckts. :	
12.	Length of LT Feeder:	
(i)	Size of conductor (sq. mm)	
(ii)	Maximum Demand in Amps	
13.	Name of feeder:	
(i)	Size of Conductor / Capacity	
14.	Name of feeding Sub-Station:	
15.	SPVPPs already connected on this Distribution Transformer (in kW/kVA):	
16.	pending SPVPPs to be connected on the T/F:	
17.	Capacity of proposed SPVPP on this T/F (in kW/kVA):	
18.	Total load on this T/F (in kW/kVA) = Sum total of columns	
19.	Recommendation of Field Office: (Whether capacity of SPVPP as per column – 9 approved or not, if approved mention the approved capacity, if not assign the reasons)	

Date:

Signature of AEE/Manager (Tech),

Name of AEE:-

Name of Subdivision:-

Signature of Approving Authority of JBVNL

Name of Officer:-

Designation:-

Competent authority for feasibility approval on feasibility prepared by Concerned AEE, Subdivision

TABLE – I

Connected Load/Contract Demand of Eligible Consumer	**Connectivity Level**	**Competent Authority to check the feasibility**
Upto 5 kW	Single Phase at 230 V	AEE/Supply
5 kW and above up to 50 kW/ 67 HP	3 Phase, 4 Wire at 415 V	EEE/Supply
Above 50 kW and up to 1 MW	3 Phase at 6.6 kV or 11 kV	ESE/Supply

APPLICATION FOR REGISTRATION OF THE SCHEME FOR ROOFTOP SOLAR SYSTEM

1.	Name	
2.	Address for Communication	
3.	Consumer No.,	
4.	Telephone No.,	
5.	E-Mail	
6.	Application No./Date	
7.	Letter of Approval Memo No. / Date	
8.	Contract Demand of Consumer	
9.	Capacity of Rooftop Solar PV System to be connected (Capacity not to exceed as approved by the JBVNL and as per RSPV Regulation 2015 and its amendment thereof)	
10.	Technical specifications and other particulars of Renewable Panel, Grid Tied Inverter and Interlocking System etc. proposed to be installed – whether attached (**Yes/No)**	
11.	Technical specifications and other particulars of Renewable energy Meter to be installed – whether attached **(Yes/No)**	
12.	Whether Consumer opts to purchase meter himself or from Distribution Licensee	
13.	Drawings for installing the Rooftop Solar PV System – whether attached (**Yes/No)**	
14.	Date of completion of the installation	

Place: **Signature of Eligible Consumer / Third Party Owner**

INFORMATION RELATED TO TECHNICAL & INTERCONNECTION STANDARDS

Parameter	Reference	Requirement
Overall conditions of Service	State Electricity Supply Code	Reference to State Electricity Distribution Code
Overall Standards	Central Electricity Authority (Grid Standard) Regulations 2010	Reference to regulations
Equipment	BIS/IEC/IEEE	Reference to standards
Meters	Central Electricity Authority (Installation & operation of meters) Regulation 2006	Reference to regulations and addition conditions issued by the Commission.
Safety and supply	Central Electricity Authority (measures of safety and electricity supply) Regulations, 2010	Reference to regulations
Harmonic Current	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	Harmonic current injection from a generating station shall not exceed the limits specified in IEEE 519
Synchronization	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	Rooftop Solar PV System must be equipped with a grid frequency synchronization device. Every time the generating station is synchronized to the electricity system. It shall not cause voltage fluctuation

		greater than +/-5% at point of connection.
Voltage	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	The voltage operation window should minimize nuisance tripping and should be under operating range of 80% to 110% of the nominal connected voltage. Beyond a clearing time of 2 second, the Rooftop Solar PV System must isolate itself from the grid.
Flicker	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	Operation of Rooftop Solar PV System should not cause voltage flicker in excess of the limits stated in ICE 61000 standards or other equivalent Indian standards, if any.
Frequency	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	When the Distribution system frequency deviates outside the specified conditions (50.5 Hz on upper side and 47.5 Hz on lower side), There should be over and under frequency trip functions with a clearing time of 0.2 seconds.
DC injection	IEEE 519 CEA (Technical Standards for	Rooftop Solar PV System should not inject DC power

	Connectivity of the Distribution Generation Resources) Regulations 2013	more than 0.5% of full rated output at the interconnection point or 1% of rated inverter output current into distribution system under nay operation conditions.
Power Factor	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	While the output of inverter is greater than 50%, a lagging power factor of greater than 0.9 should operate.
Islanding and Overheat	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	The inverter should have the facility to automatically switch off in case of overload or overheating and should restart when normal conditions are restored.
Paralleling Device	IEEE 519 CEA (Technical Standards for Connectivity of the Distribution Generation Resources) Regulations 2013	Paralleling device of Rooftop Solar PV System shall be capable of withstanding 220% of the normal voltage at the interconnection point.