



**KBN** COLLEGE  
ESTABLISHED IN 1965



ISO 9001-2015 CERTIFIED

NAAC 'A' GRADE CYCLE 3

# KAKARAPARTI BHAVANARAYANA COLLEGE

(AUTONOMOUS)

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee), Kothapeta, Vijayawada - 520 001.

A College with Potential for Excellence (CPE)      3.5 Star Rating in Innovations & Start-Ups by MoE  
Recognized as Band PERFORMER in ARIIA by Ministry of Education, Govt. of India

7.1.2: The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment
6. Wind mill or any other clean green energy

**4 OF THE ABOVE**


**ADDITIONAL INFO.**


- ∂ Solar energy
- ∂ Wheeling to the Grid
- ∂ Sensor-based energy conservation
- ∂ Use of LED bulbs/ power efficient equipment


**PERMISSION DOCUMENT FOR CONNECTING TO THE  
GRID FROM THE GOVERNMENT/ ELECTRICITY  
AUTHORITY**

**Inspection Formate for Releasing of Roof Top Solar Generating Unit on 06.10.2018**

A	Name of the applicant	M/S SRPV V HINDU SCHOOL COMMITTEE
1	SC No	VJA-3758
2	Category	HT-2
3	Distribution	
4	Pole Number	
5	Section	Kofhapeta
6	Address	Kofhapeta, Vijayawada.
7	Mobile No	9493778360, 9440138175
B	Meter Details	
1	Meter Make	SECURE
2	Serial number	Y0514559, Y0514560
3	Capacity	10/5A
4	Meter Constant	1
5	Initial reading (Tri Vector Parameter) on 06.10.2018	
6	i) Import	Main KWH:61, KVAH:73, KVARH Lead:14
7	ii) Export	Main KWH:39, KVAH:54, KVARH Lead:16
8	Name of the laboratory where the meter is tested (copy of test results to be enclosed)	M/s Dakshayani Energy Solutions , Vijayawada.
C	Grid Tie Inverter / Connector	
1	Make	SUNGROW, SG 50 KTL-M
2	Serial number	A1712107143; 41;40
3	Capacity	150Kwp
4	Input voltage	600 to 1000 volts D.C
5	Output voltage	400V AC(150 KW)
6	If grid supply fails, status of contactor (on or off)	OFF
D	SPV Module	
1	Make	Waaree
2	Serial number	
3	Type of module	Mono
4	Capacity of each module	345 WP
5	Number of modules	460
6	Total capacity of module	158.7 KW
E	Details of Protective system availble (The following protection equipment to be installed before ensuring of H.T Supply)	1) Anti Islanding Protection in Inverter 2) Single Phase Prevention Protection 3)Auto Cut Off protection (ie UV) of L.T.ACB on LT Side of Transformer incase of grid supply fail is provided.

  
 Deputy Executive Engineer  
 HT/LT CT Meters-2  
 Vijayawada

  
 Executive Engineer  
 Meters & Protection-II  
 Vijayawada

  
 Executive Engineer  
 Operation  
 Town Vijayawada

NOTE:-

PAY YOUR BILL THROUGH THE SBI A/C No :62473657473  
 GANDHENAGAR, VIJAYAWADA  
 IFSC CODE : SBIN0020169

Senior Accounts Officer OP. CIRCLE

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note 1:- Asking Bribe? - Call 14496.

**GOVERNMENT OF ANDHRA PRADESH**  
**DIRECTORATE OF ELECTRICAL SAFETY**

FROM:  
THE DY. CHIEF ELECTRICAL INSPECTOR  
TO GOVERNMENT: VIJAYAWADA,  
D.NO: 27-16-175, 3<sup>RD</sup> FLOOR,  
MUDDA SUBBAIAH STREET,  
GOVERNOR PET,  
VIJAYAWADA 520 002.

TO:  
M/S S K P V V HINDU SCHOOL  
COMMITTEE,  
KOTHAPETA,  
VIJAYAWADA,  
KRISHNA DISTRICT.

Lr. No. Dy.C.E.I.G./VJA/TECH/HT/VJA/D.No: /18 Dated: 01-08-2018

Sir,

Sub:- The Electricity Act 2003 and the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010. Electrical Installation of voltage exceeding 650V of M/S S K P V V HINDU SCHOOL COMMITTEE, , KOTHAPETA, VIJAYAWADA, KRISHNA DISTRICT, - Statutory Approval under regulation 43(4) & section 54 of Electricity Act 2003 - Accorded.

- Ref:- 1. This office Lr.No:Dy.C.E.I.G./VJA/TECH/VJA/D.No:680/18Dated:06-07-2018  
2. Inspection dated: 30-07-2018  
3. Your Compliance report received on: 01-08-2018

Under regulation 43(4) of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 and Section 54 of the Electricity Act 2003, the following equipment of your Electrical Installation is approved for energisation.

**AS PER ANNEXURE ENCLOSED**

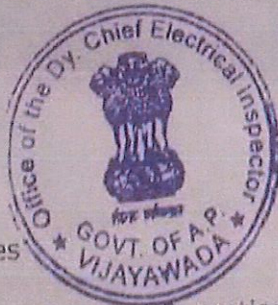
Under regulation 43(4) of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, any additions or alterations to your above Electrical Installation shall not be connected to supply until and unless the same are approved in writing by this office.

Under regulation 13(4) and 46(7) of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, you are solely responsible for the maintenance of the above installation in such condition as to be free from danger.

list of loads is approved and returned here with.

The above approval is accorded without prejudice to the statutory/mandatory obligations to be fulfilled by you under various other acts /regulations as the case may be and ipso facto does not confer any right to use for any other purpose.

Yours faithfully



DEPUTY CHIEF ELECTRICAL INSPECTOR  
TO GOVERNMENT: VIJAYAWADA

- Encl: 1. Load list  
2. Test Certificates

1. Copy to the Divisional Engineer/ Operation/ S.P.D.C.L of A.P./VIJAYAWADA:TOWN, for information. The date of release of supply to the above H.T. Installation may be intimated to the Deputy Electrical Inspector, VIJAYAWADA Sub-Division for information.
2. Copy to the Deputy Electrical Inspector, VIJAYAWADA Sub-Division, for information.

**ఆంధ్రప్రదేశ్ ప్రభుత్వము**  
**విద్యుత్ భద్రత సంచలకుల శాఖ**

FROM: ప్రభుత్వ ఉప ప్రధాన విద్యుత్ తనిఖీ అధికారి,  
27-16-175, ముద్దా సుబ్బయ్య వీధి,  
ఇండియన్ బ్యాంక్ పైన, గవర్నరు పేట,  
విజయవాడ.

TO: M/S S K P V V HINDU SCHOOL  
COMMITTEE,  
KOTHAPETA,  
VIJAYAWADA,  
KRISHNA DISTRICT.

లేఖ సంఖ్య: ఉ.ప్ర.వి.త.అ./విజయవాడ/లెక్చిక్/హెచ్.టి/VIA/అ.సంఖ్య/680/18 తేదీ : 06-07-2018.

అవ్యా.

విషయము : విద్యుత్ చట్టము 2003 - కేంద్ర విద్యుత్ అధారిటీ (భద్రత మరియు విద్యుత్ సరఫరా) విబంధనాచరి 2010, లోని 43(4)వ విబంధన క్రింద M/S S K P V V HINDU SCHOOL COMMITTEE, KOTHAPETA, VIJAYAWADA, KRISHNA DISTRICT వారి, విద్యుత్ సౌకర్యము యొక్క పట్టణం అమోదము గురించి.

పరిశీలన : మీ లేఖ ఈ కార్యాలయమునకు చేరిన తేదీ: 03-07-2018

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పైన తెలిపిన మీ లేఖలో పాటు పంపిన పటములు, వాలిక్ సంబంధించిన, విద్యుత్ మైన, సరతులను లోబడి అమోదించబడినవి. ఇవి పూరి అయిన తరువాత, శాసనబద్ధమైన అమోదము యిచ్చుటకు ముందు ప్రభుత్వ ఉప ప్రధాన విద్యుత్ తనిఖీ అధికారి, పట్టణంలో చూపించబడిన లోపములు, వదిలి వేరెంచు గురించి ప్రత్యేకముగా తనిఖీ చేయవలయు. అధికారిక విద్యుత్ సౌకర్యము తనిఖీకగు రుసుము రూ.2250.00లు ఈ రుసుమును ఆంధ్రప్రదేశ్ ప్రభుత్వ ప్రజా కార్యాలయములో దిగువ తెలిపిన చాలా పద్దుకు చెల్లించవలసింది.

పేజీ పద్దు	0043	విద్యుచ్ఛక్తి పైన పద్దులు మరియు సుంకపాస్సు
చిట్ట పద్దు	102	కేంద్ర విద్యుత్ అధారిటీ విబంధనాచరి 2010 ప్రకారము రుసుము
డి.డి. నెంబర్	0516-0502-001	

మీ సందర్భులలో మరల సౌకర్యము యొక్క పని పూరి అయిన తరువాత మీరు ప్రభుత్వ ఉప ప్రధాన విద్యుత్ తనిఖీ అధికారి విజయవాడ వారికి దిగువ తెలియ వేరందిన పద్దులు మీరు ప్రసాదించవలసింది. కేంద్ర విద్యుత్ అధారిటీ (భద్రత మరియు విద్యుత్ సరఫరా) విబంధనాచరి 2010 లోని 43(4)వ విబంధన ప్రకారము మీ విద్యుత్ సౌకర్యము తనిఖీ చేయవలయు.

- 1) క్రింద తెలిపిన దృవపత్రములు.
- 1) భూస్వామి పాస్సు, 2) భూస్వామి పాస్సు మాడె, 3) ఎ.టి. ప్లగ్, 4) మెరుపు నిరోధకము.
- 5) సౌకర్యము లోని అధిక / మార్పు/ అధిక్రమణ/ లోప వివరములు, మరియు అవసరమైన వివరములు.
- 6) లోపపద్దులు కార్యాలయ యొక్క కమప్లైంట్ మరియు కంప్లైట్ / క్లియర్ పాస్సులు.

విద్యుత్ సరఫరావారు విద్యుత్ సౌకర్యము అవసరం కోసం కట్టవలసిన అందుకంటే, 6. విద్యుత్ సరఫరావారు మీకి విద్యుత్ సౌకర్యమును అందించవలసింది. అందుకంటే అందుకంటే మీరు తొలి పద్దులను మీ పూరి అయిన పద్దులను పాటి మాకు అందించవలసింది. భూస్వామి పాస్సు, ఎ.టి. ప్లగ్ తయారీవారు పనికి దృవపత్రములు మీ పేజీ లేకుండా ప్రభుత్వ అమోదము పొందిన ఇతర తయారీవారు చేత చేయవలసింది వారిని భారం ప్రసాదించుట ప్రకారము పనికి చేయించి, వారిని దృవపత్రములను తనిఖీ అధికారికి అందించవలసింది.

మీ విద్యుత్ సౌకర్యము, కేంద్ర విద్యుత్ అధారిటీ (భద్రత మరియు విద్యుత్ సరఫరా) విబంధనాచరి 2010 లోని విబంధనల క్రింద పని అనుగుణముగా.



అధికారి  
*(Handwritten Signature)*  
ప్రభుత్వ ఉప ప్రధాన విద్యుత్ తనిఖీ అధికారి  
విజయవాడ

అనుబంధములు : 3 పటములు, 1 పేజీ  
ప్రతి ఉప విద్యుత్ తనిఖీ అధికారి, VIJAYAWADA.



**SOUTHERN POWER DISTRIBUTION COMPANY OF AP LIMITED**

From  
Divisional Elecl.Engineer  
Operation Town  
VIJAYAWADA

To  
The Superintending Engineer  
Operation APSPDCL,  
VIJAYAWADA.

Lr.No.DEE/O/T/VJA/Comml./F.Estimates/D.No.1309 /17, dt.7 .11.17

Sir,

Sub:Electy - Opn - Town - Dvn - VJA - HT SC.No.VJA3758, M/s.  
SKPVV High School Committee, Kothapet, Vijayawada - Technical  
Feasibility - submitted - Reg.

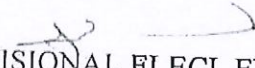
Ref:1. Lr.No.ADE/OSD/D-I/VJA/F.No./D.No.1876/17, dt.07.11.2017  
(Received on 07.11.17).

2. Memo.No.SE/O/VJA/AAE/TECH./F.No. /D.No..4838/17, dt.10.10.17

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The feasibility report of HT SC.No.VJA3758, M/s. SKPVV High  
School Committee, Kothapet, Vijayawada in Operation Section Kothapet is herewith  
submitted for favour of taking further necessary action please.

Yours faithfully,

  
DIVISIONAL ELECL.ENGINEER  
OPERATION:TOWN:VIJAYAWADA

Copy to Asst.Divisional Engineer/Operation /D-I/Vijayawada.  
Copy to Addl. Asst./Asst.Engineer/Operation/Kothapet.

Rd:071117

**TECHNICAL FEASIBILITY FORMAT FOR THE SOLAR ROOF TOP SPV UNIT**

A		Name of the applicant
1	S/C No	SKPVV HIGH SCHOOL COLONY
2	Category	VJA 3758
3	Distribution	HT Cat - II
4	Pole number	KOTHAPETA
5	Section	KOTHAPETA
6	Address	M/s. SKPVV High School Commi General Secretary, Conne. pon. NTS No. 11/A1, 11/A2, Kothape VIJAYAWADA
7	Mobile No	9440138175
B		Distribution Transformer Details
1	Name of the SS	
2	DTR capacity in KVA	33/11 KV Fish Market S.S
3	Voltage ratio	250KVA
4	Total Connected load on the DTR(in KVA)	11KV/440V
5	Addl. Loads sanctioned so far (in KVA)	11KV/440V - 170.49
6	Already proposed loads (in KVA)	-
7	Total Load on DTR : X=4+5+6 (in KVA)	-
8	SPV Generators already connected capacity in KW	175 KVA
9	Proposed SPV generators capacity in KW	-
10	Total generation capacity Y=8+9 (in KW)	150 KW
11	Difference between load and generation capacity Z=X-Y	150 KW
12	Whether the transformer capacity is adequate to cater the proposed generator in addition to the existing loads and generators capacity with NPDCL and other sources (if any)	23.25 KW yes
C		FEEDER DETAILS
1	Name of the 11KV feeder	
2	Name of 33/11 SS from which 11KV feeder is emanating	11 KV KBN COLLEGE FEEDER
3	Type and size of the conductor	33/11 K.V. FISH MARKET S.S
4	Current carrying capacity of the feeder	100 Sq. MM Conductor
5	Total connected DTR capacity on this 11KV feeder(KVA)	98.412 A
6	SPV generators connected on this feeder, if any, and their capacity	2573 KVA
7	Maximum load reached on the feeder in Amps & KVA	NO
8	Remarks	75A
D	Whether technically feasible or not to export the power from proposed SPV generator (Yes or No)	At the time of Release LV side of the DTR install MCCB with up relay & L-Ph preven yes

Encl:- LT Sketch

Divisional Engineer  
Operation, -----

Divisional Electrical Engineer  
Operation, Town Division  
APSPDCL, Vijayawada

J. Balaji  
Acle DIVID.



**NEW & RENEWABLE ENERGY DEVELOPMENT CORPORATION OF A.P. Ltd**

(A State Government Company – ISO 9001:2015 Certified)

**Regd. Office :** # 12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road,

Tadepalli, Guntur District, Andhra Pradesh – 522 501, India.

E-mail, [info@nredcap.in](mailto:info@nredcap.in) Website: [www.nredcap.in](http://www.nredcap.in)



NREDCAP/OSD/GCRT/Edu.Inst61A/2018

*8009 Speed post*

Dt.19.02.2018

To

M/s. SKPVV High School Committee,  
NTS No:11/A2, Kothapeta, Vijayawada, Krishna Dist – 520001,  
Mob:9440138175.

**Sub: Installation of 150 KWp Grid connected SPV Power Plants at M/s. SKPVV High School Committee, NTS No:11/A2, Kothapeta, Vijayawada, Krishna Dist - Reg.**

Ref: 1) MNRE in principal sanction letter no. 03/73/2015-16/GCRT Dt.01.12.2015

2) Your proposal dated: 16.11.2017.

& &&

We invite your attention to your proposal submitted vide reference 2<sup>nd</sup> cited for installation of **150 KWp** grid connected Solar roof top system at **M/s. SKPVV High School Committee, NTS No:11/A2, Kothapeta, Vijayawada, Krishna Dist.** Taking into consideration the in principle sanction communicated by MNRE vide reference 1<sup>st</sup> cited, in principle sanction is hereby accorded for taking up installation of **150 KWp** grid connected solar roof top system as per the terms and conditions detailed below:

1. The system shall installed as per minimum technical requirements / standards for SPV systems / plants given in sanction no.30/11/2012-13/NSM dt.26.6.2014 in vogue and amended time to time.( Refer to MNRE website: [www.mnre.gov.in](http://www.mnre.gov.in))
2. The installation shall be taken up through **NREDCAP empanelled suppliers only as per the finalised rate contract rates.**
3. Only indigenously manufactured PV modules will be used in the project.
4. The consent letter from respective DISCOM indicating their willingness / consent for installation of grid connected solar roof top system shall be submitted.
5. **The eligibility of Central Financial Assistance (CFA) shall be as per the guidelines of Ministry of New and Renewable Energy (MNRE) in vogue and amended time to time.**
6. **The settlement of the project capacity installed would be done on the basis of prevailing MNRE benchmark cost or the tender cost, whichever is lower. For capacity installed after 31.03.2018 the CFA will be calculated on the basis of new benchmark cost issued by MNRE for the year 2018-19, if any, or the tender cost, whichever is lower.**
7. **The installation of the system shall be completed and commissioned on or before 31.05.2018.**
8. Proper metering arrangement may be incorporated so that the generation data from the proposed SPV power plants will be available.

*26/2/18*

*20/2/18*

9. The release of CFA is subject to sanction and release of funds by MNRE and submission of all relevant documents.
10. After completion and commissioning of the project the following documents shall be submitted in duplicate for considering release of CFA.
  1. Copy of work order
  2. Copy of Invoice
  3. Joint inspection report in original.
  4. Project completion report in original.
  5. Photographs (with beneficiary / organization)
  6. Synchronization Letter.
  7. Statement of Expenditure (SOE) duly certified by Chartered Accountant in original.
  8. One month electricity bill (after commissioning)
  9. Authorization letter for disbursement of subsidy to the System Integrator.
  10. Beneficiary Passport size photo & ID Proof.

Thanking you,

Sd/-  
VC & MANAGING DIRECTOR

Copy to the District Manager, NREDCAP Krishna for information and necessary action  
Copy to DGM (F&A), NREDCAP, for information.

// Forwarded :: by order//

  
Officer on Special Duty

- 42
10. Capacity of the installed Transformer : 250 KVA  
11. Whether of the installed hired/owned by the consumer : Owned  
12. Contracted Maximum Demand : Existing:175 KVA + Proposed 50 KVA = 225 KVA  
Total CMD 225KVA+ Solar net metering : 150 KVA  
13. Sanctioned Contracted Load : Total Load (500KW)  
14. Whether consumer's check meter is Available : NO  
15. Whether agreement finalized : Yes  
16. Date of conclusion of agreement :  
17. Period of agreement finalized : 2Years  
18. Normal guarantee/Special guarantee : Normal Guarantee  
19. Date of acknowledgement of 3 months Notice by the consumer : -  
20. Date of expiry of 3 months notice : -  
21. Tariff applicable : HT Cat-II  
22. Date of commencement of supply :  
23. Reference of sanctioned estimate : Memo.No.SE/O/VJA/Cornl/HT-T-730/D.No.232/19-20  
Date: 20.07.2019  
24. Work Order No. & Date of payment Of development charges : E-2019-01-04-11-02-004  
Rs. 60000/-, PR No. 2707201964,Dt:27.07.2019.  
25. Date of payment of Initial consumption Deposit charges : Rs. 50000/- PR No. 0505201960, Dt. 05.08.19  
26. Test results, if any : Meter Test Results are within limits.  
27. Feeder Details  
a) Name of the 11KV Feeder : 11KV KBN College feeder  
b) Feeder Code : 301411240202  
28. Any other information : Existing Se. No. VJA-3758, Solar Net Metering HT, Cat-II  
Now it is applied for Addl. CMD 50 KVA, Total:225 KVA  
Existing CT PT set is replaced with new CT PT set 20/5A.

I am in witness to the above particulars and the seals were put in my presence

General Secretary & Correspondent  
SKPVV HIGH SCHOOLS COMMITTEE  
Vijayawada

General Secretary & Correspondent  
S.K.P.V.V.H. Schools' Committee  
VIJAYAWADA.

Deputy Executive Engineer,  
Operation, D-1 Sub-Division,  
Vijayawada.



# Andhra Pradesh Central Power Distribution Corporation Limited

Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

H.T. Bill for the month of: DEC - 2021

Dated: 05-DEC-2021

Bill No: 2111519345

Payable on or before	30-DEC-2021	Consumer No : VJA3758
Disconnection Date	05-JAN-2022	M/s SRPVV High Schools Committee
Contracted MD(KVA)	225.00	General Secretary & Correspondent,
Voltage(KV)	11 (COMM-FEEDER)	NTS No.11/A1, 11/A2, Kothapeta,
Category	2A2	Vijayawada, KRISHNA

	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :02-11-2021	573520.00	580220.00	76.800	0.96	-T1: 0.00	123201.00
Reading On :02-12-2021	587491.00	594814.00			+T2: 0.00	123592.00
Difference	13971.00	14594.00			+T3: 4108.00	391.00
Multiplying Factor	2.00	2.00	2.00		-T5: 0.00	2.00
Total Consumption	27942.00	29188.00	153.60			782.00
Main Consumption	29188.00	Colony	0.00		L&F	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00	180.00	85500.00
Energy Charges	Rs. 7.65	28406.00	217305.90
TOD Charges		(0.00+4108.00) - (0.00+0.00)	4108.00
Electricity Duty	Rs. 6 for	28406.00	1704.36

Arrears as on 30-11-2021				Sub Total	
	C.C.Charge	Surcharge			
Court Cases	Rs 0.00	0.00	Customer Charges		1406.00
Others	Rs 0.00	0.00	Late Payment Charges		0.00
Total	Rs 0.00	0.00	Interest On ED		0.00
Last Paid Amount Rs. 279610.00(16-NOV-2021)				Voltage Surcharge	0.00
				Wheeling Charges	0.00
				Other Charges	0.00
				Transformer Hire Charge	0.00
				ACD Surcharge	0.00
				Round Amount	-0.25
				Net Bill Amount	310024.00
				Total Amount Payable	310024.00

Rupees Three Lakh Ten Thousands Twenty Four Only

Note:

PAY YOUR BILL THROUGH THE SBI A/C No :43477657473

Senior Accounts Officer OP. CIRCLE

GANDHINAGAR, VIJAYAWADA

IFSC CODE : SBIN0020163

Note: W.E.F 01.10.2020, U/s 206C(1H) of Income Tax Act, TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt. For details contact SAO.