



NEW & RENEWABLE ENERGY DEVELOPMENT CORPORATION OF A.P. Ltd (Formerly Non-Conventional Energy Development Corporation of A.P. Ltd) 5-8-207/2, PISGAH COMPLEX, NAMPALLY, HYDERABAD - 500 001 Phone Nos: 040 - 23202391: 23203376: Fax 040 - 23201666 E-mail, info@nedcap.gov.in Website: www.nedcap.gov.in

Ref: NREDCAP/SE/ NM /35A/2015-16 /1663

Date: 22.01.2016

Τо,

Rajiv Gandhi Memorial College of Engineering & Technology, Nandyal, Kurnool Dist, AP



Sir

Sub: Installation of Grid connected Rooftop SPV plant under the "National Clean Energy Fund" scheme of MNRE - Reg.

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Ref: 1. Your Proposal

2. MNRE Sanction Letter No.03/38/2015-16/GCRT dated 31.12.2015

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Please refer to your proposal for sanction of Grid connected Solar Rooftop System. MNRE has accorded sanction to the proposal for installation of Grid connected Solar Rooftop System. The list of projects sanctioned by MNRE is enclosed. The MNRE sanction is subject to the following conditions,

- 1. The Grid connected Rooftop Solar Power Plant shall be installed as per minimum technical requirements as per MNRE scheme guidelines issued vide letter no.30/11/2012-13/nsm dated 26.06.2014 and 26.05.2014. in vogue and amended time to time.
- 2. Only indigenously manufactured PV modules will be used in the project.
- 3. The Grid connected Rooftop Solar Power Plant will be installed duly following the guidelines stipulated by the DISCOM from time to time.
- 4. Proper Metering arrangement may be incorporated so that the generation data from the proposed SPV Power Plant will be available.
- 5. The cost of the project should be firmed up through open competitive bidding. After firmed up cost by competitive bidding, the 15% cost arrived through competitive bidding or Rs 12/per watt, whichever is lower, shall be considered as CFA and necessary release will be made as per scheme norms.
- 6. The last date for completion of project is 4 months from the date of issue of the sanction letter (i.e., to be completed before 30th April 2016).
- 7. The monthly progress reports of the project shall be submitted to NREDCAP during implementation phase.

Contd...2



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1

- 8. Release of the CFA will be considered based on the releases and terms and conditions of MNRE, after fulfillment of following conditions,
  - (i) The Components of the SPV power plant must qualify as per the specifications of the programme.
  - (ij). MNRE has been empanelling the manufacturers of components from time to time. The components of empanelled manufacturers / suppliers must be used in SPV Rooftop plant.
  - (iii) The installed system must have remote monitoring facility to monitor the system from a centralized location.
  - (iv) After completion, the firm will submit the comprehensive completion report, invoices,
     photographs, audited statement of expenditure and other technical supporting documents.
  - (v) The systems will be inspected by MNRE/ NREDCAP / APDISCOM officials or their appointed experts.
  - (vi) No change of location is permitted.

Thanking you,

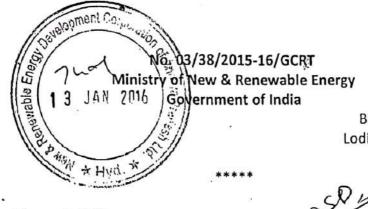
Yours faithfully, Sd/-VC & MANAGING DIRECTOR

Encl: a.a

Copy to Dr. Arun K. Tripathi, Director/Scientist 'F', MNRE, Govt. of India, New Delhi Copy to the Dy. G.M.(Finance), NREDCAP Ltd., Hyderabad. Copy to District Manager, NREDCAP Ltd.,

//Forwarded:: By Order//

Officer on Special Duty



Block No.14, CGO Complex Lodi Road, New Delhi 110003 Dated 31.12.2015

To The Pay and Accounts Officer Ministry of New & Renewable Energy New Delhi

Subject: Sanction and release of CFA to New and Renewable Energy Development Corporation of Andhra Pradesh Limited for implementation of grid connected SPV power plants of aggregate capacity of 2774kWp in different locations in Andhra Pradesh under Grid Connected Rooftop and Small Solar Power Plants Programme

Agency Type: State Nodal Agency

Sir,

Sanction of the president of India is hereby conveyed for central financial assistance amounting to Rs. 3,33,00,000/- (Rupees Three Crore Thirty Three Lakh only) to Agency for New and Renewable Energy Development Corporation of Andhra Pradesh for support for implementation of 2774kWp rooftop solar PV plants on different buildings in the State of Andhra Pradesh under the above mentioned programme as per list given in annexure. No beneficiaries in commercial/industrial sector are included in the eligible list.

2. The cost of the project should be firmed up through a transparent process and the actual amount of subsidy will be 15 % of the actual cost or Rs. 12 per watt , whichever is lower .

3. Sanction of the president of India is also conveyed to the release of Rs. 99,00,000/-(Rupees Ninety Nine Lakh only) to New and Renewable Energy Development Corporation of Andhra Pradesh Limited (NREDCAP) as 1<sup>st</sup> installment in advance. Details of the release are given below:

i) Amount proposed to be released:	Rs. 99,00,000/-
ii) Interest accrued from the previous releases:	N/A
iii) Unspent balance of the previous year:	N/A
Amount to be released:	Rs. 99,00,000/-

4. The release of further installments will be considered after submission of requisite claims, submission of project completion reports, utilization certificate and Audited Statement of Expenditure. NREDCAP will also make the sites/premises available for inspection by MNRE or its designated team/agency.

5. NREDCAP will follow all the terms and conditions-'stipulated in the Administrative' approval of the above mentioned programme no. No. 30/11/2012-13/NSM dated 26.06.2014 and as amended time to time.

6. This Ministry may also be kept apprised about the status of the development of the project related activities from time to time. The funds being released may be kept in the interest bearing account and the interest accrued may be credited towards the Govt. account. NREDCAP will also submit the audited Statement of Expenditure (SoE) and Utilization Certificate (UC) in the prescribed format of GFR 19 (A).

7. The grants-in-aid will be regulated in accordance with the provision contained in the Terms and Conditions of Ministry of New and Renewable Energy. The grand-in-aid is also subject to the Chapter 9 of the General Financial Rules, 2005, as amended from time to time, read with the Government of India's decisions incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:

- i) The pattern of assistance of rules governing such grants-in-aid has received the approval of the Ministry of Finance, as required under Govt. of India Decision No. (1) under DFPR- Rules 20.
- ii) Assets acquired wholly or substantially out of Government Grants shall not be disposed of without obtaining the prior approval of the sanctioning authority of grants-in-aid.
- iii) The accounts of NREDCAP shall be audited by C&AG or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC, 1971) as amended from time to time.
- iv) The accounts of NREDCAP shall be open for inspection by the sanctioning authority
- and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1971 and internal audit party by the Principal Accounts Office of the Ministry or Department whenever it is called upon to do so.
- v) Other provisions may be inserted keeping in view the special requirement of each institution
- vi) The Grantee Institute has no Utilization Certificate as 'due for rendition' under the rules under the Ministry in question.

8. The amount of Rs. 99,00,000/- (Rupees Ninety Nine Lakh only) will be drawn by the Drawing and Disbursing Officer, Ministry of New and Renewable Energy and disbursed to the New and Renewable Energy Development Corporation of Andhra Pradesh (NREDCAP) as per bank details given as follows:

Page 2 of 4

Name of the account holder: New & Renewable Energy Development Corporation of Andhra Pradesh Limited (NREDCAP)

Bank Name & Address: State bank of Hyderabad, Shanthinagar Branch, #10-2-289/95 Opposite Mahavir Hospital Hyderabad 500028

Account No: 52188924294

Account type: Current IFSC Code: SBHY0020070 MICR Code: 500004057

9. The expenditure involved will be met from within the Sanctioned Budget Grant of Ministry of New and Renewable Energy: Demand No.69-Ministry of New & Renewable Energy, Major Head 2810-New & Renewable Energy, Minor Head: 101-Grid Interactive & Distributed Renewable Power, 01- Grid Interactive Renewable Power; 04-Solar Power, 01,04.31 – Grants-in-aid General during the year 2015-16 (Plan). The amount may be met from the NCEF grant for the programme namely "Grid Connected Rooftop and Small Solar Power Plants Programme".

10. The expenditure has been entered at S. No. 34 & Page No. 09 in the Expenditure Register of this Division.

11. This sanction issues in exercise of the powers conferred on this Ministry in consultation with the IFD's vide Dy. No. 1734 dated 23.12.2015 and approved on 29.12.2015

12. Sanction I. D. No. has been generated.

Yours faithfully,

(Dr. Arun Kripathi) Scientist F Telfax: 011-24363035 ,Email: <u>aktripathi@nic.in</u>

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi

- 2. AG, CW& M.II (Science Audit), AGCR building, New Delhi.
- 3. The Accountant General, Govt. of Andhra Pradesh, Hyderabad, Andhra Pradesh
- 4 Shri M. Kamalakar Babu, Vice Chairman & Managing Director ,New & Renewable Energy Development Corporation of Andhra Pradesh (NREDCAP) Ltd., 5-8-207/2, Pisgah Complex, Nampally, Hyderabad – 500 001
- 5. JS&FA/DS(F)/US (F)
- 6. JS(TK)/Sci C (HCB)
- Cash Section, MNRE (2 copies)
- 8. Guard File/Spare Copies

(Dr. Arun K-Tripathi) Scientist F

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		st of project			estimatedp roject.cost	Estimated Subsidy @15% of benchmark
	A CONTRACT	Name of the Institution	Category of the Beneficiaries	Total Capacity(kWP)	SUDA IN STATE	cost (Rs. In Crore)
	Sa H	ospital,Nanyal, Kurnool,	Educational	500	3.95	0.60
1	_	ndhra Pradesh.	Institute			
		ajiv Gandhi Memorial College f Engineering & Technology,	Educational '			0.60
83		andyal , Kurnool Dist AP	Institute	500	3.95	0.00
		SL Educational Society,	1			
		ajamundry, East Godavery	Educational		3.95	0.60
	- 10° B	District	Institute	500	3.95	
	_	Innamacharya Institute of	Educational		0.86	0.1
3		echnology and Sciences	Institute	100	0.80	
			Cout			21 22
	1 2	Golden Jubilee Hospital ,	Govt. Organisation	100	0.82	0.1
		Vishakhapatnum	Organisation			
Ę.		Amalapuram Institute of Management Sciences and				
		College of Engineering, East	Educational			
		사실 수 있는 것 같은 것 같	Institute	100	0.96	0.1
		Godavary District The Chief Executive Officer,	Institute	-		
		The District Cooperative			1 1	
		Central bank Ltd., West				
		Godavary District	Co- Bank	25	0.20	0.0
	_		Educational			10.005
		Jaya Educational Society,	Institute	500	4.00	0.6
	8	Tripati JK Aqua Farms, East Godavari	Inscience			
	9	Dist.	Aqua Farm	. 100	0.82	0.1
	-		and a second second		0.20	0.0
	10	CR Reddy Hospital, Nellore Dist.	Hospital	25	0.20	0.0
		C Jayachandra Reddy, Nellore		6	0.05	0.0
	11	Dist.	Domestic		0.05	
		The Registrar, Sri PdamavatiMahilaVishvidayalay	Educational	30	0.24	0.
	12	amTirupati Sri NandyalaSatyanarayana,				1
	13	West Godavari Distt.	Domestic	10	0 0.12	0.
	15	KarnoolMuncipal Corporation,	Govt.		na waterawa	
	14	Kurnool Dist.	Organisation	2	5 0.20	0.
	14	DR Subramanyam Reddy,				
	15	TitupathiDistt.	Domestic	1	0 0.08	3 0.
	15	Govt. Degree College Krishna	Educational			
	16	Distt.	Institute	1	.0 0.10	0 0
	-10					
		The Divisional For3est	Govt.		6 0.0	6 0
-	17	Oficer, Vijaywada, Krishna Dist.	Educational			
		SRR & CVR Govt. Degree	Institute	1	0.0	1. 0
-	18	College Vijayawada The Commissioner, Srikakulam				
	-	The Commissioner, Stikakular	Govt.		40 0.4	6 0
-	19	in the sector Dancel	Domestic	73	.2 0.7	3 (
	20				54 0.7	
	21	Domestic ( 20 nos)	Domestic		0.7	-
		P Chandra Mohan Chetty,			-	
		Chittoor District, Andhra	Henrikal		50 0.4	1
	22	2 Pradesh	Hospital			
	otal			27	74 22.8	9 3

# TECHNICAL FEASIBILITY FORMAT FOR THE SOLAR ROOF TOP SPV UNIT

Nan	e of the applicant	::	RGM Engg College
1	S/C No	::	KNL 268
2	Category	::	HT Cat II
3	Distribution	::	Balapanur
4	Pole number	::	
5	Section	:	(O) Panyam
6	Addręss	::	M.Shantiramudu S/o Lingamurthy , D.No:25-602, Sreenivasa Nagar,Nandyal.
7	Mobile No	:	9866308411
Dis	ribution Transformer Details		
1	Name of the SS	::	33/11KV SS Autonagar
2	DTR capacity in KVA	::	500KVA
3	Voltage ratio	::	11KV/440V
4	Total Connected load on the DTR(in KVA)	:	500KVA
5	Addl. Loads sanctioned so far (in KVA)	::	_ کې
6	Already proposed loads (in KVA)	::	
7	Total Load on DTR : X=4+5+6 (in KVA)	::	500KVA
8	SPV Generators already connected capacity in KW	::	-
9	Proposed SPV generators capacity in KW	::	500KW
1	Total generation capacity Y=8+9 (in KW)	::	500KW
1	Difference between load and generation capacity Z=X-Y	::	0
1	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)	::	Yes
FE	EDER DETAILS		·
1	Name of the 11KV feeder	::	11KV RGM Feeder
-	Name of 33/11 SS from which 11KV feeder is emanating	:	33/11KV SS,Autonagar
-	Type and size of the conductor	::	55Sq mm AAAC
1	Current carrying capacity of the feeder	:	180A
	Total connected DTR capacity on this 11KV feeder(KVA)	::	1300KVA
	SPV generators connected on this feeder, if any, and their capacity	::	-
	7 Maximum load reached on the feeder in Amps & KVA	::	76A , 480KVA
	8 Remarks	::	
р <sup>м</sup>	hether technically feasible or not to export the power from oposed SPV generator (Yes or No)		Yes , Feasible

Divisional Engineer Operation, Nandyal



### RGM COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

NANDYAL-518501, KURNOOL (DIST), A.P., INDIA

Phone : 08514-275201, 275203, 275204. Fax : 08514-275123, 275526 Web : www.rgitnandyal.com | E-mail: principalrgm@gmail.com | principal.9@jntua.ac.in

#### **Purchase Order**

PO Ref.No.RGM/SOLAR PLANT/5/2016

Date: 20.06.2016

M/s Solaire Technocrats & Services Private Ltd., Flat No.401, Manjula Nilayam, Madhapur, Hyderabad -81

Sir,

Sub: 500 KWp Solar PV Power Plant on the roof of Rajiv Gandhi Memorial College of Engineering and Technology ,Nandyal, Kurnool (Dt.), Andhra Pradesh – Reg.

We Rajiv Gandhi Memorial College of Engineering and Technology, here in after referred to as the 'Developer' hereby wish to place the **Purchase Order** on you in response to your offer as follows.

S.No.	Description of Material	Unit	QTY	Unit Price including Taxes (Rs.)	Total Price (Rs.)
1	Supply of Solar Modules	Wp	5,00,000	36.42	182,10,000.00
2	Supply of Solar Mounting Structure	Wp	5,00,000	5.82	29,10,000.00
3	Supply of Solar Inverter	Wp	5,00,000	5.24	26,20,000.00
4	Supply of Cables	Wp	5,00,000	1.15	5,75,000.00
5	Supply of Electrical Panel	Wp	5,00,000	1.72	8,60,000.00
				<b>Grand Total</b>	251,75,000

In Words: Rupees Two Crore Fifty One lakhs and Seventy Five Thousand Only.

### **Payment Terms**

- 1. 5% advance against Purchase Order.
- 2. 5% against the submission of detailed engineering drawings.
- 3. 70% against dispatch of material on prorate basis.
- 4. 15% against commissioning of the Solar plant.
- 5. 5% against after one month on performance of the plant.
- 6. Developer to pay the payment against the supply or installation within a 7 working days from the date of invoice or Delivery challan.

Offering B.Tech., M.Tech., M.B.A., M.C.A and Ph.D. Programs. Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuramu. Accredited by NBA of AICTE (B.Tech. In CSE, IT, ECE, EEE, EIE & Mech. Engg)., Accredited by NAAC of UGC with "A" Grade. World Bank Funded Institution., Recognized UGC DDU Kaushal Kendra.

#### **Terms and Conditions**

- Solaire Technocrats and Services Pvt. Ltd has to provide a corporate guarantee against the generation of the solar for 25 years period by way of resolution from the company on a Rs.100 Stamp paper attested by a notary.
- Solaire Technocrats and Services Pvt. Ltd. has to guarantee a minimum generation of 7 Lacks units per annum.
- 3. In case the Solaire Technocrats and Services Pvt, Ltd. is not able to deliver the minimum generation units, the company has to add an additional modules to match the required generation within one month period.
- Solaire Technocrats and Services Pvt. Ltd. has to provide a replacement guarantee of 25 years period for the structures.

#### COMMISSIONING PERIOD:

 Commissioning period will be 3 to 5 months from the date of handing over of the site, suitable for the installation of Solar Power Plant. The commissioning period shall mean the completion of design, engineering, procurement assistance, quality surveillance, testing at manufacturer's works, inspection, project management and O&M Supervision for first two years and training manpower of the Developer. Solaire shall submit a detailed PERT chart conforming to above completion period.

# EFFECTIVE DATE OF CONTRACT:

This contract becomes effective from the date of issue of this order for all purposes and intents.

Yours faithfully,

(Dr.M.Santhi Ramudu)



## RGM COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

NANDYAL-518501, KURNOOL (DIST), A.P., INDIA

Phone : 08514-275201, 275203, 275204. Fax : 08514-275123, 275526 Web : www.rgitnandyal.com | E-mail: principalrgm@gmail.com | principal.9@jntua.ac.in

Work Order

# WO Ref.No. RGM/SOLAR PLANT/6/2016

Date: 20.06.2016

M/s Solaire Technocrats & Services Private Ltd., Flat No.401, Manjula Nilayam, Madhapur, Hyderabad -81

Sir,

Sub: 500 KWp Solar PV Power Plant on the roof of Rajiv Gandhi Memorial College of Engineering and Technology ,Nandyal, Kurnool (Dt.), Andhra Pradesh – Reg.

We Rajiv Gandhi Memorial College of Engineering and Technology, here in after referred to as the 'Developer' hereby wish to place the **Work Order** on you in response to your offer as follows.

S.No.		Unit	Qty	Price per Unit including Taxes	Total Price
1	Erecting and Commissioning of Solar Power Plant on the Roof of RGM College of Engineering and Technology	Wp	5,00,000 *	2.65	13,25,000.00
					13,25,000.00

In Words: Rupees Thirteen Lakh Twenty Thousand Only.

### Payment Terms

- 1. 5% advance against Purchase Order.
- 2. 5% against the submission of detailed engineering drawings.
- 3. 70% against dispatch of material on prorate basis.
- $\sqrt{4}$ . 15% against commissioning of the Solar plant.
  - 5. 5% against after one month on performance of the plant.
  - 6. Developer to pay the payment against the supply or installation within a 7 working days from the date of invoice or Delivery challan.

Offering B.Tech., M.Tech., M.B.A., M.C.A and Ph.D. Programs. Approved by AICTE, New Delhl; Affillated to JNTUA, Ananthapuramu. Accredited by NBA of AICTE (B.Tech. In CSE, IT, ECE, EEE, EIE & Mech. Engg)., Accredited by NAAC of UGC with "A" Grade. World Bank Funded Institution., Recognized UGC DDU Kaushal Kendra



1

### **Terms and Conditions**

- 1. Solaire Technocrats and Services Pvt. Ltd has to provide a corporate guarantee against the generation of the solar for 25 years period by way of resolution from the company on a Rs.100 Stamp paper attested by a notary.
- 2. Solaire Technocrats and Services Pvt. Ltd. has to Guaranteed a minimum generation of 7 Lacks units per annum.
- 3. In case the Solaire Technocrats and Services Pvt, Ltd. is not able to deliver the minimum generation units, the company has to add an additional modules to match the required generation within one month period.
- 4. Solaire Technocrats and Services Pvt. Ltd. has to provide a replacement guarantee of 25 years period for the structures.

### COMMISSIONING PERIOD:

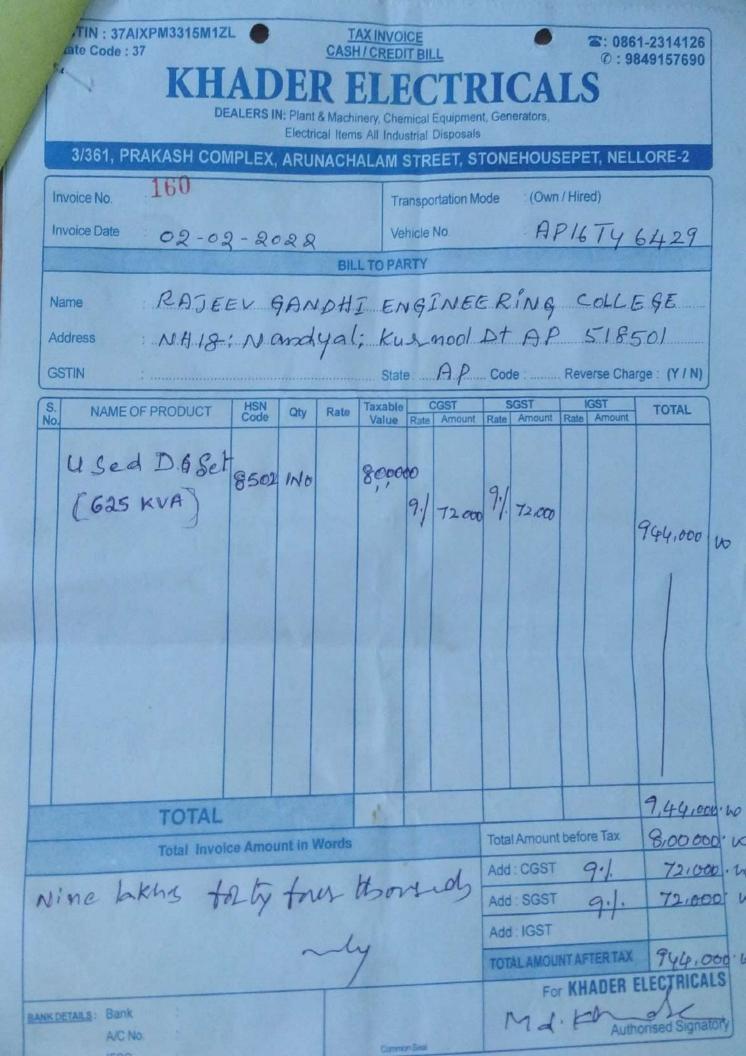
 Commissioning period will be 3 to 5 months from the date of handing over of the site, suitable for the installation of Solar Power Plant. The commissioning period shall mean the completion of design, engineering, procurement assistance, quality surveillance, testing at manufacturer's works, inspection, project management and O&M Supervision for first two years and training manpower of the Developer. Solaire shall submit a detailed PERT chart conforming to above completion period.

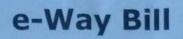
### EFFECTIVE DATE OF CONTRACT:

This contract becomes effective from the date of issue of this order for all purposes and intents.

Yours faithfully,

Dr.M.Santhi Ramudu)







. E-WAY BILL Details			
Way Bill No: 1514 3187 3106	Generated Date:02/02/2022 05:25 PM	Generated By: 37AIX PM331 5M	11ZL Valid Upto: 04/02/2022
Mode: Road	Approx Distance: 270km		
Type: Outward - Supply	Document Details: Tax Invoice - 160 - 0	2/02/2022 Transaction type: Regular	
2. Address Details			
From		То	
GSTIN : 37AIX PM331 5M1ZL KHADER ELECTRICALS ANDHRA PRADESH :: Dispatch From :: Shop No.4/3/361 Arunachalam StreetStonehouse Pet Sri Potti Sriramulu Nellore.ANDHRA PRADES	H-524002	GSTIN : URP RAJEEV GANDHI ENGINEERING COLLEGE ANDHRA PRADESH :: Ship To :: NH 18 NANDYAL KURLNOOL DTAP 518501 NANDYAL KURLNOOL KURLNOOL DTAPANDHRA PRADESH-5185	
3. Goods Details			
HSN Code Product Name & Desc		Quantity Taxable Amount Rs. Ta	ax Rate (C+S+I+Cess+Cess Non.Advol)
8502 USED DG SET & USE	D DG SET	1.00 NOS 800000.00	9.000+9.000+NE+0.000+0.00
		and the second se	
		Amt '0.00 CESS Amt '0.00 C	ESS Non.Advol Amt 10.00
Other Amt '0.00 Total Inv.Amt ' 4. Transportation Details		Amt '0.00 CESS Amt '0.00 C	
Other Amt '0.00 Total Inv.Amt ' 4. Transportation Details			
Other Amt '0.00 Total Inv.Amt ' 4. Transportation Details Transporter ID & Name : 5. Vehicle Details			

