

Government of Maharashtra



Government College of Arts & Science, Aurangabad (M.S)
(Established in 1923)

(Kile Ark, Near Subhedari Guest House, Aurangabad)

Email ID: gasca1923@gmail.com

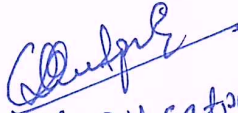
Phone/Fax: 0240-
2331476

Website: www.gasca.ac.in

Government college of Arts and Science , Aurangabad is the institution owned by Government of Maharashtra.As per the rules and regulations of the state Government purchase work, maintainance work regarding infrastructural activities is being provided by public works department i.e.B&C (Building and Construction) department.Process of purchase,maintainance & construction work is being completed by the concern Government departments.College has letters of work completion submitted to the department.

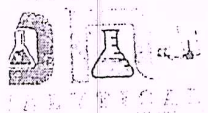
Hence certified .




R.H. Satpute
Principal
Govt. College of Arts & Science
Aurangabad

Name & Signature

TAX INVOICE



DNJ ANALYTICALS

Shri. M. S. Patil, Director, Higher and Technical Education Department, Killeark, Near Subhedari Guest House, Labour Colony, Aurangabad MAHARASHTRA 431001

Buyers details: Banesab Babu Rajeshaikh, Higher and Technical Education Department Killeark, Near Subhedari Guest House, Labour Colony, Aurangabad MAHARASHTRA 431001 Contact No. : 0240-2331476	Invoice No. 2020/21-048	Dated 09/03/2021
	Order No. GEMC-511687759407103	Order Dated 06/02/2021
	Dispatched Through Hand Delivery	Dispatched Date 09/03/2021

Sr No.	Description of Goods	Quantity (No.)	Rate	Amount (Rs.)
	REMI Centrifuge with LCD display Microcentrifuge with AR 8-5 angle rotor HSN : 84211999	1	43220.00	43220.00
			Sub Total	43220.00
			CGST - 9%	3889.80
			SGST - 9%	3889.80
			Round Off Sales	0.40
			Total Amt. (Rs.)	51000.00

Amount in words : Fifty One Thousand Rupees Only.

Received the above items in good conditions

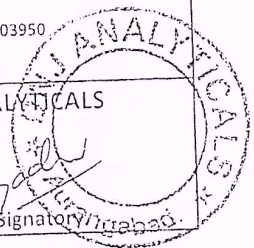
Our Bank Details:
SBI Bank, Jadhavwadi Harsul Branch, Aurangabad
Account No.: 37031328534
RTGS/NEFT IFSC Code : SBIN0003950
GSTIN - 27APSPJ7984F124

Receiver's Sign & Stamp

- Declaration
- 1 Bill not paid within one month from the date of issue will carry interest 24 % per annum.
 - 2 Our risk and responsibility ceases on delivery of the goods from us
 - 3 Goods once sold will not be taken back
 - 4 Exclusive for Aurangabad Jurisdiction.

For DNJ ANALYTICALS

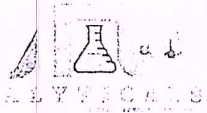
Authorised Signatory



Present for Payment
Rs. 51000/-
Principal

✓

TAX INVOICE



DNJ ANALYTICALS

ANALYTICALS

Buyers details: Banesab Babu Rajeshaikh, Higher and Technical Education Department Killcark, Near Subhédari Guest House, Labour Colony, Aurangabad MAHARASHTRA 431001 Contact No. : 0240-2331476	Invoice No. 2020/21-049	Dated 09/03/2021
	Order No. GEMC-511687733683842	Order Dated 06/02/2021
	Dispatched Through Hand Delievery	Dispatched Date 09/03/2021

Sr No.	Description of Goods	Quantity (No.)	Rate	Amount (Rs.)
1	REMI Refrigerated Centrifuge with LCD display NEYA 16R Refrigerated Bench top centrifuge with A 12-05 angle rotor and Voltage stabilizer HSN : 84211999	1	210593.00	210593.00
			Sub Total	210593.00
			CGST - 9%	18953.37
			SGST - 9%	18953.37
			Round Off Sales	0.26
			Total Amt. (Rs.)	248500.00

Amount in words : Two Lakhs Fourty Eight Thousand & Five Hundred Rupees Only.

Received the above items in good condition. Reciever's Sign & Stamp	Our Bank Details: SBI Bank, Jadhavwadi Harsul Branch, Aurangabad Account No.: 37031328534 RTGS/NEFT IFSC Code - SBIN0003950 GSTIN - 27APSPJ7984F1Z4
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Declaration 1 Bill not paid within one month from the date of issue will carry interest 24% per annum. 2 Our risk and responsibility ceases on delivery of the goods from us. 3 Goods once sold will not be taken back. 4 Exclusive for Aurangabad Jurisdiction.	For DNJ ANALYTICALS Authorised Signatory
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Received for Payment
 No. 21185004



उप अभियंता (विद्युत) यांचे कार्यालय,
सा.बां विद्युत उपविभाग क्र २ औरंगाबाद
तळमजला बांधकाम भवन सा.बां.परीसर स्नेह नगर,
औरंगाबाद - ४३१००१



E.mail.ID
eleaurangabad2.de@mahapwd.gov.in
Web Site : www.mahapwd.com
Tel : No. (0240) 2951133

जा.क्र./उ.अ./विउविक्र.२/ २७, २०२२-२३
दिनांक :- १४ / १ / २०२३

To,
Principal,
Govt Arts & Science,
Aurangabad.

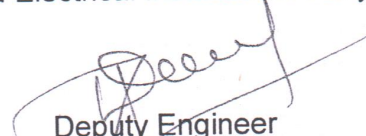
Subject: - Inventory of Electrical Installation below work.

Name of Work: - OW/281/2022-23: - Prov. Renovation to EI in Sabhagruh of Arts & Science College Aurangabad.

With reference to above I have enclose herewith an Inventory of Electrical Installation work provided in the above said building.

It is therefore requested to return the Two copies of Inventory duly signed and same will be considered as handed over the said Electrical Installation. For your kind information please.

Encl:- Inventory 3 Copies


Deputy Engineer
P.W.Ele. (Sub.Division No.2
Aurangabad.

Copy submitted to The Executive Engineer, P.W.Electrical Division Aurangabad for favor of information .

INVENTORY

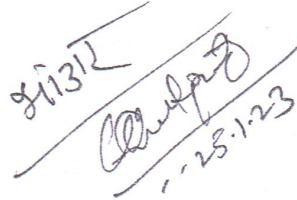
SR.NO	Particular	Qty.
1	LED fitting 36-Watt 600mm X 600mm (Make - Bajaj)	08 Nos.
2	LED Street Light 45-Watt (Make - Bajaj)	05 Nos
3	LED Flood Light 150-Watt (Make - Bajaj)	08 Nos.

with necessary allied work completed & tested Satisfactory.

Handed Over

Taken Over




25.1.23



क्र. १९३
दिनांक २५/०१/२०२३
सा.बां. विद्युत उपविभाग
औरंगाबाद



महाराष्ट्र शासन
उप अभियंता (विद्युत) यांचे कार्यालय,
सा.बां विद्युत उपविभाग क्र २ औरंगाबाद
तळमजला बांधकाम भवन सा.बां.परीसर स्नेह नगर,
औरंगाबाद - ४३१००१



E.mail.ID : eleaurangabad2.de@mahapwd.gov.in
Web Site : www.mahapwd.com
Tel : No. (0240) 2951133

जा. क्र./उ.अ./विउविक्र.२/ 328 /२०२१-२२
दिनांक :- ४ / ८ / २०२२

To,
Principal,
Govt.Arts & Science College,
Aurangabad.

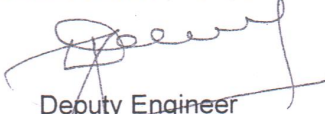
Subject :- Inventory of Electrical Installation below work .

Name of Work:- AESD2/OW 213/2022-23 - Providing SR to EI in the New Boys Hostel in the campus of Arts and science college Aurangabad.

With reference to above I have enclose herewith an Inventory of Electrical Installation work provided in the above said building.

It is therefore requested to return the Two copies of Inventory duly signed and same will be considered as handed over the said Electrical Installation. For your kind information please.

Encl:- Inventory 3 Copies


Deputy Engineer
P.W.Ele. Sub.Division No.2
Aurangabad.

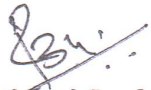
Copy submitted to The Executive Engineer , P.W.D.Ele. Division Aurangabad for favor of information .

INVENTORY

SR.NO	Particular	Qty.
1.	Exhuast Fan (Make - Indo)	05 Nos
2	Ceilling Fan (Make - Usha)	20 Nos
3	LED 18 watt (Make - Philips)	50 Nos
4	Water Heater 15 Ltr (Make -Usha)	05 Nos
5	LED Street Light (Make - Reyon)	08 Nos
6	Motor Pump Single Phase (Make - Crompton)	01 Nos
7	Fire Extinguisher A B C	10 Nos

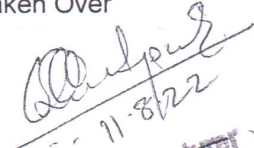
with necessary allied work completed & tested
Satisfactory .

Handed Over


Sectional Engineer
Sub-vari Section
P.W.Electrical Sub.Div.No.2
Aurangabad.



Taken Over


11-8-22
Lecturer
Govt. College of Arts & Science
Aurangabad

PPS Energy Solutions Pvt Ltd

Regd. Office: B-403, Bharti Vihar, S.No-78, Bharti Vidyapith Campus, Katraj, Pune - 411046
Phone: +91 - 20 - 2523 0134 (INDIA)

Bill No: 2020-21/NG-12
Date: December 10, 2020

Client Details

Client Name: Govt. Arts and Science College, Aurangabad
Address: Near Subedar Guest House, Kille Ark, Himayat Bagh,
Aurangabad,
City: Aurangabad, State: Maharashtra PIN: 431004
Contact No:

PO Details

Ref: आ. क्र. आस्था-१/२०१९-२०/१२०

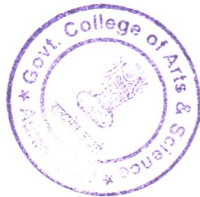
dated : 17/01/2020

Item #	Description	Qty	Rate in INR	Amount INR
1	Save Energy Program at Govt. Arts and Science College, Aurangabad	100%	35,000	35,000
			TOTAL	INR 35,000
			Net Due	INR 35,000

Rs. Thirty Five Thousand Ruppes Only

Payment Method: RTGS/ At Par Cheque
Name of a/c: PPS ENERGY SOLUTIONS PRIVATE LIMITED
A/c No: 3074 2728 352
State Bank of India, Erandvana, Pune, India 411004
IFSC Code: SBIN0004618

For PPS Energy Solutions Pvt. Ltd.



Atal Singh
Authorized Signatory

Thank you for your business!



महाराष्ट्र ऊर्जा विकास अभियान

(महाराष्ट्र शासनाची संस्था)
औरंगाबाद विभागीय कार्यालय

जा.क्र. वि.का.मेडा.औ.बाद/सौर/अंदाजपत्रक/फा.नं.३९३/२०२०-२१/ 75

दि. २५.०१.२०२१

प्रति,
मा.जिल्हाधिकारी,
जिल्हाधिकारी कार्यालय,
औरंगाबाद

विषय :- शासकिय ज्ञान विज्ञान महाविद्यालय औरंगाबाद येथील इमारतीच्या छतावर विविध ठिकाणी एकूण १०० कि.वॅ क्षमतेचे पारेषण सलंगन सौर विद्युत संयंत्र ,एकूण ५००० एलपीडी क्षमतेचे सौर उष्णजल संयंत्र व महाविद्यालय परिसरात ३ ठिकाणी सौर हायमास्ट आस्थापीत करणे बाबत.

संदर्भ :- १) शासकिय ज्ञान विज्ञान महाविद्यालय औरंगाबाद यांचे पत्र क्र जा.क्र/शाजाविमऔ/भांडार/२०२०-२१/१५७० दि २०/०१/२०२१

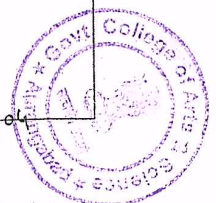
सहोदय,

उपरोक्त विषयी सविनय विनंती करण्यात येते की, संदर्भ क्र १ नुसार निदेशित केल्याप्रमाणे, शासकिय ज्ञान विज्ञान महाविद्यालय, औरंगाबाद येथे दि २१/०१/२०२१ रोजी भेट देऊन तांत्रिक सर्व्हेक्षण करण्यात आले आहे. शासकिय ज्ञान विज्ञान महाविद्यालय, औरंगाबाद येथील विविध इमारतीच्या छतावर एकूण १०० कि.वॅ क्षमतेचे पारेषण सलंगन सौर विद्युत संयंत्र, एकूण ५००० एलपीडी सौर उष्णजल संयंत्र व विद्यालय परिसरात विविध ठिकाणी सौर हायमास्ट आस्थापीत करण्याचे प्रस्तावीत करण्यात येत आहे. त्याचा तपशिल पुढीलप्रमाणे -

अ. क्र.	प्रकल्पाचे ठिकाण	प्रकल्पाचे अंदाजपत्रकीय किंमत	महाऊर्जा तांत्रिक मान्यता शुल्क १%(GST १८%)	प्रकल्प राबविण्यासाठी महाऊर्जा सल्लागार शुल्क ५%(GST १८%)	प्रकल्प महाऊर्जामार्फत राबविणेसाठी एकूण खर्च
१	५० कि.वॅ क्षमतेचे पारेषण सलंगन सौर विद्युत संयंत्र शासकिय ज्ञान विज्ञान महाविद्यालय इमारतीसाठी आस्थापीत करणे.	२०,३३,८५६/-	२४,०००/-	१,१९,९९८/-	२१,७७,८५३/-
२	३० कि.वॅ क्षमतेचे पारेषण सलंगन सौर विद्युत संयंत्र शासकिय ज्ञान विज्ञान महाविद्यालय येथील मुलांचे वसतीगृहाच्या इमारतीसाठी आस्थापीत करणे.	१२,५२,०१६/-	१४,७७४/-	७३,८६९/-	१३,४०,६५९/-
३	२० कि.वॅ क्षमतेचे पारेषण सलंगन सौर विद्युत शासकिय ज्ञान विज्ञान महाविद्यालय येथील मुलांचे वसतीगृहाच्या इमारतीसाठी आस्थापीत करणे.	८,७२,०१६/-	१०,२९०/-	५१,४४९/-	९,३३,७५५/-

विभागीय कार्यालय : सिटी सर्व्हे नं. १११४९, शॉप नं. ३०५, तिसरा मजला, साई ट्रेड सेंटर, रेल्वेस्टेशन रोड, औरंगाबाद - ४३१ ००५

E-mail : domedaabad@mahaurja.com दूरध्वनी : ०२४० - २६५३५९५



: स.नं. १९१, फेज-१, म्हाडा वाणिज्य संकुल, दुसरा मजला, त्रिदलनगर समोर, येरवडा, पुणे ४११ ००६. दूरध्वनी : ०२०-२६६१४३९३ / २६६१४४०३

\\PC2\share_data\शासकिय ० २०-२१\१५७३१, E-mail : meda@mahaurja.com Web-site : http://www.mahaurja.com

Name of work: Supply, Installation Testing and Commissioning of 50 kW Grid connected Solar Power Generating System at Govt. Science College, Aurangabad Tq & Dist. Aurangabad with 5 years of CMC.

Est.No 247 No. DO/MEDA/Aurangabad/Estimate/File no- /2020-21 Date -

ESTIMATE

Sr. NO	Item No	Description	Rate	Unit	Qty	Amount
1	(MNRE) Benchmark Cost	Supplying, Installing, Testing and commissioning of 50KWp capacity Solar Power Pack with MS Structure with GI coating and inter connecting wires / cables without battery bank SPV Modules of 50 KWp, Solar power Conditioning unit of min. 50 KVA capacity complete With 5 years on site performance warranty as per Specification no ESD-RTONG/MNRE/latest BIS (inclusive of total system cost including Photo-Voltaic solar modules, inverters, balance of systems including cables, Switches/Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightening arrester, cost of meters (if any other than net meter), local connectivity cost, cost of civil works, foundations etc. and its installation, commissioning , transportation, insurance, capital cost of online monitoring, comprehensive maintenance charges for five years, applicable fees and taxes etc.)	38000	Kw	50	1900000
2	6-3-14	Supplying and erecting AC three phase LT CT multifunction net meter DLMS compliance of accuracy class 0.5, 3 x 240V, 50Hz, with backlit LCD display, optical port & RS 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh, V, I, kW, 6 months history of energy, load survey, TOD, tamper detection & logging, power ON/OFF events, instantaneous parameters of rating 1/5A with display in absence of power) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer (For Generation Meter)	12901	Nos	1	12901
3	07-01-2012	Supplying, erecting & terminating XLPE armoured cable 3 core 25 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (To Connect Home Science Dept. Bulding electric load having Consumer no:490010177194,490010006764 on single College Building Meter & surrendering above both meters to DISCOM.)	182	m	120	21840
4	04-04-2007	Providing and fixing high-density polyethylene (HDPE) container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity upto 20000 litres.	1000	liter	9	9000
5	12-06-2002	Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 0.75 KW/ 1 H.P., for Domestic Pressure boosting applications in bungalows, apartments, hotels etc for constant pressure for Bathrooms. (For Cleaning Of SPV System)	20115	Each	1	20115
6	Local Inquiry	Net Metering Testing & MSEDCL Liasoning Work, Display Board etc.	1	Unit	1	50000
7	Local Inquiry	Internet Raouter & internet conectivity for RMS during CMC period (5 year)	4000	Year	5	20000
8	A)	Total				2033856
9	B)	Meda TS Charges 1 % on A				20339
10	C)	18 % GST on B				3661
11	D)	Total Technical Sanction Charges (B+C)				24000
12	E)	MEDA Charges 5 % on A (5% for Project Execution)				101693
13	F)	18 % GST on E				18305
14	G)	Total MEDA Charges for Project Execution (E+F)				119998
15	H)	Grand Total (C+F+I) Estimate Cost				2177853

- Note:-
- 1)Sr.no 1 rates are taken from MNRE Office Memorandum no:318/38/2018-GCRT dated 21 July 2020.
 - 2)Sr.no- 2 to 5 rates are taken From PWD (Electrical Wing) CSR 2019-20.
 - 3)Sr.no-6 & 7 rates are as per Local Inquiry
 - 4) Above Project Cost includes installation, commissioning, transportation, insurance, Capital cost of online monitoring, applicable fees and taxes etc, comprehensive maintenance charges for five years, applicable fees and etc.



Divisional General Manager
MEDA, Division Office
Aurangabad

Name of work:		Supply, Installation Testing and Commissioning of 30 kW Grid connected Solar Power Generating System at Govt.Science College,Aurangabad Tq & Dist. Aurangabad with 5 years of CMC.				
Est.No		No. DO/MEDA/Aurangabad/Estimate/File no- /2020-21 Date -				
ESTIMATE						
Sr. NO	item No	Description	Rate	Unit	Qty	Amount
1	(MNRE) Benchmark Cost	Supplying, Installing, Testing and commissioning of 30 KWp capacity Solar Power Pack with MS Structure with GI coating and inter connecting wires / cables without battery bank SPV Modules of 30 KWp, Solar power Conditioning unit of min. 30 KVA capacity complete With 5 years on site performance warranty as per Specification no ESD-RTONG/MNRE/latest BIS (inclusive of total system cost including Photo-Voltaic solar modules, inverters, balance of systems including cables, Switches/Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightning arrester, cost of meters (if any other than net meter), local connectivity cost, cost of civil works, foundations etc. and its installation, commissioning , transportation, insurance, capital cost of online monitoring, comprehensive maintenance charges for five years, applicable fees and taxes etc.)	38000	Kw	30	1140000
2	6-3-14	Supplying and erecting AC three phase LT CT multifunction net meter DLMS compliance of accuracy class 0.5, 3 x 240V, 50Hz, with backlit LCD display, optical port & RS 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh, V, I, kW, 6 months history of energy, load survey, TOD, tamper detection & logging, power ON/OFF events, instantaneous parameters of rating 1/5A with display in absence of power) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer (For Generation Meter)	12901	Nos	1	12901
3	04-04-2007	Providing and fixing high-density polyethylene (HDPE) container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity upto 20000 litres.	1000	liter	9	9000
4	12-06-2002	Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 0.75 KW/ 1 H.P., for Domestic Pressure boosting applications in bungalows, apartments, hotels etc for constant pressure for Bathrooms.(For Cleaning Of SPV System)	20115	Each	1	20115
5	Local Inquiry	Net Metering Testing & MSEDCL Liasoning Work, Display Board, Load Extention from 2 kw to20 kw etc.	1	Unit	1	50000
6	Local Inquiry	Internet Raouter & internet conectivity for RMS during CMC period (5 year)	4000	Year	5	20000
7	A)	Total				1252016
8	B)	Meda TS Charges 1 % on A				12520
9	C)	18 % GST on B				2254
10	D)	Total Technical Sanction Charges (B+C)				14774
11	E)	MEDA Charges 5 % on A (5% for Project Execution)				62601
12	F)	18 % GST on E				11268
13	G)	Total MEDA Charges for Project Execution (E+F)				73869
14	H)	Grand Total (C+F+I) Estimate Cost				1340659

- Note:-
- 1)Sr.no 1 rates are taken from MNRE Office Memorandum no:318/38/2018-GCRT dated 21 July 2020.
 - 2)Sr.no- 2 to 4 rates are taken From PWD (Electrical Wing) CSR 2019-20.
 - 3)Sr.no-5 & 6 rates are as per Local Inquiry
 - 4) Above Project Cost includes installation, commissioning, transportation, insurance,Capital cost of online monitoring, applicable fees and taxes etc,comprehensive maintenance charges for five years,applicable fees and etc.

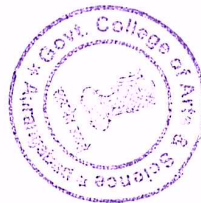


Divisional General Manager
MEDA, Division Office
Aurangabad

Name of work:		Supply, Installation Testing and Commissioning of 20 kW Grid connected Solar Power Generating System at Girls Hostel Govt.Science College,Aurangabad Tq & Dist. Aurangabad with 5 years of CMC.				
Est.No 249		No. DO/MEDA/Aurangabad/Estimate/File no- /2020-21 Date -				
ESTIMATE						
Sr. NO	item No	Description	Rate	Unit	Qty	Amount
1	(MNRE) Benchmark Cost	Supplying, Installing, Testing and commissioning of 20 KWp capacity Solar Power Pack with MS Structure with GI coating and inter connecting wires / cables without battery bank SPV Modules of 20 KWp, Solar power Conditioning unit of min. 20 KVA capacity complete With 5 years on site performance warranty as per Specification no ESD-RTONG/MNRE/latest BIS (inclusive of total system cost including Photo-Voltaic solar modules, inverters, balance of systems including cables, Switches/Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightening arrester, cost of meters (if any other than net meter), local connectivity cost, cost of civil works, foundations etc. and its installation, commissioning , transportation,insurance, capital cost of online monitoring, comprehensive maintenance charges for five years, applicable fees and taxes etc.)	38000	Kw	20	760000
2	6-3-14	Supplying and erecting AC three phase LT CT multifunction net meter DLMS compliance of accuracy class 0.5, 3 x 240V, 50Hz, with backlit LCD display, optical port & RS 232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh, V, I, kW, 6 months history of energy, load survey,TOD, tamper detection & logging, power ON/OFF events, instantaneous parameters of rating 1/5A with display in absence of power) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer (For Generation Meter)	12901	Nos	1	12901
3	04-04-2007	Providing and fixing high-density polyethylene (HDPE) container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity upto 20000 litres.	1000	liter	9	9000
4	12-06-2002	Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 0.75 KW/ 1 H.P., for Domestic Pressure boosting applications in bungalows, apartments, hotels etc for constant pressure for Bathrooms.(For Cleaning Of SPV System)	20115	Each	1	20115
5	Local Inquiry	Net Metering Testing & MSEDCL Liasoning Work, Display Board etc.	1	Unit	1	50000
6	Local Inquiry	Internet Raouter & internet connectivity for RMS during CMC period (5 year)	4000	Year	5	20000
7	A)	Total				872016
8	B)	Meda TS Charges 1 % on A				8720
9	C)	18 % GST on B				1570
10	D)	Total Technical Sanction Charges (B+C)				10290
11	E)	MEDA Charges 5 % on A (5% for Project Execution)				43601
12	F)	18 % GST on E				7848
13	G)	Total MEDA Charges for Project Execution (E+F)				51449
14	H)	Grand Total (C+F+I) Estimate Cost				933755

Note:-

- 1)Sr.no 1 rates are taken from MNRE Office Memorandum no:318/38/2018-GCRT dated 21 July 2020.
- 2)Sr.no- 2 to 4 rates are taken From PWD (Electrical Wing) CSR 2019-20.
- 3)Sr.no-5 & 6 rates are as per Local Inquiry
- 4) Above Project Cost includes installation, commissioning, transportation, insurance,Capital cost of online monitoring, applicable fees and taxes etc,comprehensive maintenance charges for five years,applicable fees and etc.



Divisional General Manager
MEDA, Division Office
Aurangabad

Name Of Work		Supply, Installation, Testing and Commissioning of Solar HIGH MAST at Various locations of Government Arts College, Aurangabad Tal. Dist.- Aurangabad with 5 years of CMC.				
Est.No 250		No.DO/MEDA/Aurangabad/TS/2020-21		Date - 25.01.2021		
ESTIMATE						
Sr.No.	Item No	Description	Qty	Unit	Rate	Amount
1	MEDA Work Order Cost	Supplying, Installing, Testing and commissioning of 9 meter Solar LED High Mast Lighting System with 2000 watt module , 9 M long, polygonal raising lowering mast shaft in single section Suitable for wind speed of 180 km/hr MS Structure with 80 micron GI coating structure, Li Ferro Phosphate (LiFePo4) batteries of capacity 12.8 volt 600Ah @ (12.8volt, 100 Ah*6 nos.), White Light Emitting Diode (W-LED) flood light 6*50 watt as per MEDA Work order Specification no : REN/Highmast/2019-20/CR-98/Solar/395 dated 24/01/2020 (inclusive of total system cost including Photo-Voltaic solar modules, Controller, S.S. Rope of AISI 316 Grade, 7/19 construction, with two ropes continuous min.6 mm diameter and breaking load capacity min.2000kg*2 ,balance of systems including cables, Switches/Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightening arrester, cost of civil works, foundations etc. and its installation, commissioning , transportation, insurance, comprehensive maintenance charges for five years, applicable fees and taxes etc.) for following Locations/Sites. 1) Girls Hostel Primises - 1 nos 2) Govt Science Boys Hostel - 1 nos 3) In Parking Primises - 1 nos	3	Nos	324000	972000
3	A)	Sub-Total				972000
6	B)	Meda TS Charges 1 % on A				9720
7	C)	18 % GST on B				1750
8	D)	Total MEDA Technical Sanction Charges (B+C)				11470
9	E)	MEDA Charges 5 % on A (5% for Project Execution)				48600
10	F)	18 % GST on G				8748
11	G)	Total MEDA Charges for Project Execution (G+H)				57348
12	H)	Grand Total (A+D+G) Estimate Cost				1040818

Note:-

- 1) Sr.no 1 & 2 rates are taken from MEDA HO Work Order no:REN/Highmast/2019-20/CR-98/Solar/395 dated 24/01/2020
2) Above Project Cost includes installation, commissioning, transportation, insurance, Capital cost of online monitoring, applicable fees and taxes etc, comprehensive maintenance charges for five years, applicable fees and etc.



[Signature]
Divisional General Manager
MEDA, Division Office
Aurangabad

Estimate

Estimate No		25		Date: 25.01.2021		
Name of Work - Providing Solar water heating system 3000 LPD (500*6) LPD ETC Type for Boy's Hostel At Govt.Science college Aurangabad Tq.& Dist.Aurangabad						
ESTIMATE						
Sr.NO	item No	Technical Specifications	Qty	Rate	Unit	Amount
1	4-1-9	Supplying, installing, testing and commissioning of ETC solar water heating system without heat exchanger type of 500 LPD capacity complete. Specification no. ESD-SHWS-ETC	6	59640	Unit	357840
2	4-2-08	Supplying and erecting 16/20 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for solar water heater system complete. Specification no. (ESDHWP/PCP) (For Outlet)	80	195	m	15600
3	4-2-9	Supplying and erecting 20/25 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for solar water heater system complete. Specification no. (ESDHWP/PCP)(For Inlet)	100	245	m	24500
4	6-1-19	Supplying and erecting Iron, sheet metal workconsisting of CRCA Sheets, Various sections of iron, Plates, Chequered Plates, Rods, Bars, MS pipes, etc. for panel board or any other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority (For Cold Water Tank Stand,Monkey Guard etc)	800	131	kg	104800
5	4-4-7	Providing and fixing high-density polyethylene (HDPE) container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity up to 1.5 times of system capacity.	6000	9	ltr	54000
6	16-6-2	Supplying and erecting 40 mm dia. gun metal foot valve at position with necessary materials complete.	8	755	Each	6040
7	16-6-20	Supplying and erecting non return valve 40 mm dia in position made of gun metal complete.	16	946	Each	15136
8	16-5-1	Supplying and erecting ISI mark GI pipe 15 mm. dia. 'B' class at position with accessories complete. Specification no. CW-PLB/GP.	24	196	m	4704
9	A)	Total				582620
10	B)	Add 12% GST on A				69914
11	C)	Total(A+B)				652534
12	D)	MEDA Charges 1 % on C (for TS)				6525
13	E)	18 % GST on D				1175
14	F)	Total MEDA Charges for TS 1 % with GST (D+E)				7700
15	G)	MEDA Charges 5% on C for Project Execution				32627
16	H)	18 % GST on D				5873
17	I)	Total MEDA Charges for Project Execution 5% with GST(G+H)				38500
18	H)	Grant Total(C+F+I)				698734

Note:-

1) All items are from PWD (Electrical Wing) CSR 2018-19



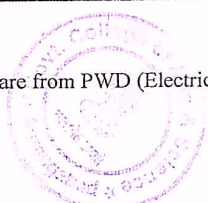
Divisional General Manager
MEDA, Division Office
Aurangabad

Estimate

Estimate No		Date: 25.01.2021				
Name of Work - Providing Solar water heating system 2000 LPD (500*4) LPD ETC Type for Girls Hostel At Govt.Science Hostel Tq.& Dist.Aurangabab						
ESTIMATE						
Sr.NO	item No	Technical Specifications	Qty	Rate	Unit	Amount
1	4-1-9	Supplying, installing, testing and commissioning of ETC solar water heating system without heat exchanger type of 500 LPD capacity complete. Specification no. ESD-SHWS-ETC	4	59640	Unit	238560
2	4-2-08	Supplying and erecting 16/20 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for solar water heater system complete. Specification no. (ESDHWP/PCP) (For Outlet)	40	195	m	7800
3	4-2-9	Supplying and erecting 20/25 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for solar water heater system complete. Specification no. (ESDHWP/PCP)(For Inlet)	50	245	m	12250
4	6-1-19	Supplying and erecting Iron, sheet metal workconsisting of CRCA Sheets, Various sections of iron, Plates, Chequered Plates, Rods, Bars, MS pipes, etc. for panel board or any other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or.as per directions by the authority (For Cold Water Tank Stand,Monkey Guard etc)	450	131	kg	58950
5	4-4-7	Providing and fixing high-density polyethylene (HDPE) container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity up to 1.5 times of system capacity.	4000	9	ltr	36000
6	16-6-2	Supplying and erecting 40 mm dia. gun metal foot valve at position with necessary materials complete.	4	755	Each	3020
7	16-6-20	Supplying and erecting non return valve 40 mm dia in position made of gun metal complete.	8	946	Each	7568
8	16-5-1	Supplying and erecting ISI mark GI pipe 15 mm. dia. 'B' class at position with accessories complete. Specification no. CW-PLB/GP.	12	196	m	2352
9	A)	Total				366500
10	B)	Add 12% GST on A				43980
11	C)	Total(A+B)				410480
12	D)	MEDA Charges 1 % on C (for TS)				4105
13	E)	18 % GST on D				739
14	F)	Total MEDA Charges for TS 1 % with GST (D+E)				4844
15	G)	MEDA Charges 5% on C for Project Execution				20524
16	H)	18 % GST on D				3694
17	I)	Total MEDA Charges for Project Execution 5% with GST(G+H)				24218
18	J)	Grant Total(C+F+I)				439542

Note:-

1) All items are from PWD (Electrical Wing) CSR 2018-19



Divisional General Manager
MEDA, Division Office
Aurangabad