### **BID EVALUATION REPORT**

- 1. Name of Procuring Agency: Executive Engineer, Rural Development Department, Larkana.
- 2. Tender Reference No: XEN/RDD/LRK/Tender(Solar)/2016-17/300 Dated: 24-11-2016.
- 3. Tender Description/Name of work/item: <u>Installation of Solar Lights in Rural Sindh Larkana</u> Division.
- 4. Method of Procurement: Single Stage Two Envelopes.
- 5. Tender Published: SPPRA's Serial # 30622 upload on 28-11-2016, Daily Express dated: 01-12-2016. Daily Dawn dated: 01-12-2016, Daily Kawish dated: 04-12-2016.

6. Total Bid documents Sold;	05 Nos.		
7. Total Bids Received:	05 Nos.	#(	
8. Technical Bid Opening date	: (if applicable)	16-12-2016	(Provide details in separate form)
9. No. of Bid technically quali	fied (if applicable): _	03 Nos.	
10. Bid(s) Rejected:	02 Nos		· · · · · · · · · · · · · · · · · · ·
11. Financial Bid Opening date	e: 17-01-2017		

### 12. Bid Evaluation Report:

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance/ rejection	Remarks
0	1	2	3	4	5	6
1.	M/S National Logistic Cell	562500000/-	2 <sup>nd</sup> Lowest	At Par	Higher Side	Rejected being on higher side.
2.	M/S Wadood Engineering Services & Star Link (JV)	560875000/-	1 <sup>st</sup> Lowest	-0.28% Below	Accepted	Accepted being lowest & reasonable.
3.	M/S Outdoor Unlimited & R.K Construction Co. (JV)	605000000/-	3 <sup>rd</sup> Lowest	7.55% Above	Higher Side	Rejected being on higher side.

Signatures of the Members of the Committee.

(SALAR MASTOI)

Executive Engineer
Rural Development Department
Larkana

(MEMBER)

(SHOUKAT ALI MEMON)

Assistant Engineer
Public Health Engineering
Tando Muhammad Khan
(MEMBER)

Man.

(QAZI KHAIR MUHAMMAD)

Director (Technical)
Rural Development Department
Hyderabad
(CONVENER)

### MINUTES OF THE TECHNICAL BID OPENING MEETING

A meeting of the Procurement Committee of the Rural Development Department was held on 16<sup>th</sup> December 2016 for opening the Technical Bids received in respect of "Installation of Solar Lights in Rural Sindh Larkana Division". The receiving of technical & financial bids was upto 11:00 AM and technical bids were opened at 12:00 Noon the deadline. The meeting was attended by the Members of the Procurement Committee and the representatives of bidders. (Attendance sheet is enclosed).

The following bidders submitted their technical bids till the deadline of submission:

- 1) M/S ZTE Zhongxing Telecom.
- 2) M/S National Logistic Cell.
- 3) M/S Wadood Engineering Services & Star Link (JV).
- 4) M/S Solar Tech.
- 5) M/S Outdoor Unlimited & R.K Construction Co. (JV).

The Technical Bids were opened at 12:00 pm on 16<sup>th</sup> December 2016 in the presence of the participants as per list attached under the Chairmanship of Convener and Member of the Procurement Committee of Rural Development Department, Hyderabad. The following are the details marks obtained by the contractor/firm/company as per evaluation criteria of technical bids announced:

S. #	Name of Bidder	Max Marks	Qualifying Marks	Total Marks Obtained	Remarks
1.	ZTE Zhongxing Telecom	100	80	72	Disqualified for obtaining less marks than the prescribed.
2.	National Logistic Cell	100	80	86	Qualified as per evaluation criteria
3.	M/S Wadood Engineering Services & Star Link (JV)	100	80	89	Qualified as per evaluation criteria
4.	M/S Solar Tech	100	80	56	Disqualified for obtaining less marks than the prescribed.
5.	M/S Outdoor Unlimited & R.K Construction Co. (JV)	100	80	81	Qualified as per evaluation criteria

The Procurement Committee has examined all the technical bids as per Qualification/ Evaluation Criteria provided in the technical bids, technically checked and verified the documents submitted by the bidders.

The meeting ended with the vote of thanks to and from the chair.

(SALAR MASTOI)

Executive Engineer
Rural Development Department
Larkana

(MEMBER)

(SHOUKAT SEI MEMON)

Assistant Engineer
Rublic Health Engineering
Tando Muhammad Khan
(MEMBER)

D. Comme

(QAZI KHAIR MUHAMMAD)

Director (Technical) Rural Development Department Hyderabad

(CONVENER)

# ATTENDANCE SHEET OF PARTICIPANTS IN THE BIDDING FOR INSTALLATION OF SOLAR LIGHTS IN RURAL SINDH LARKANA DIVISION

	Name of participants	Name of Firm/Company Signatures
1	Rashid Rama	ZTE Sand
2	NAOBEM	Noted Eng Servers  Solar Keth  Outdoor Hutial R.K. Synthel
)	Torlad Hosson	Wordend Eng Services
1	FAYSAL KHAON	Solar tech - The
5	SARIB, AMMED	Outdoor Stuties R.M. Syalled
-		
	- Common	EXECUTIVE ENGINEER Paral Development Department Division Larkana.
	OAZT KHAIR MUI	CHARLES AND A CH
-	Rural Development D Hyderabad	incal)
	CONVENC	PR)

'NIT No:

XEN/RDD/LRK/Tender(Solar)/2016-17/300 Dated: 24-11-2016.

Method and procedure of procurement:

National Competitive Bidding (Single Stage - Two

Envelopes)

### MINUTES OF FINANCIAL BID OPENING MEETING

A meeting of the procurement committee of this department was held on 17-01-2017 for opening the financial bids received in respect of subject NIT till the deadlines of submission. The meeting was attended by the procurement committee and the representatives of bidders. (Attendance sheet is enclosed).

### INSTALLATION OF SOLAR LIGHTS IN RURAL SINDH LARKANA DIVISION

The financial bids were opened at 2:00 pm on 17-01-2017 in the presence of the participants as per list attached and the rates quoted by bidders were read aloud and encircled by the Convener of the Procurement Committee. All the members of the procurement committee signed each and every page of financial proposal/ bids. The bids do not contain any over-writing or cutting. Following are the details of bids announced:

S. No.	Name of Bidder	Offered Price	Amount of Bid Security	Pay Order No./ Date
1.	M/S National Logistic Cell	562500000/-	11250000/-	AKBL/001/BBG/217/2016 Date of Issue: 15-12-2016 Bid Bond Guarantee Askari Bank Limited
2.	M/S Wadood Engineering Services & Star Link (JV)	560875000/-	11318000/-	01982044 dt: 15-12-2016 Soneri Bank
3.	M/S Outdoor Unlimited & R.K Construction Co. (JV)	605000000/-	-	Not Attached

The committee shall examine all the bids as per Qualification/ eligibility criteria provided in the bidding documents, arithmetical checked and verify the documents and bid security submitted by the bidders.

The meeting ended with the vote of thanks to and from the chair.

(SALAR MASTOI)

Executive Engineer Rural Development Department Larkana

(MEMBER)

(SHOUKAT ART MEMON)

Assistant Engineer
Public Health Engineering
Tando Muhammad Khan

(MEMBER)

(QAZI KHAIR MUHAMMAD)

Director (Technical)
Rural Development Department
Hyderabad
(CONVENER)

### ATTENDANCE SHEET OF PARTICIPANTS FOR OPENING OF FINANCIAL BID OF SOLAR LIGHTS IN RURAL SINDH LARKANA DIVISION ON 17TH JANUARY 2017.

S#	Name of Contractor / Firm / Company	Signature
1	276	Pashij
2	MC	C
3	Wason Lugg. Sepular.	Mm. 13/01
4	Solar Tech Ru Los	Andle.
5	Outdoox Unlimited	ymair



(SALAR MASTOI)

Executive Engineer Rural Development Department Larkana (MEMBER)

(SHOUKANALI MEMON)

Assistant Engineer
Public Health Engineering Tando Muhammad Khan

(MEMBER)



(QAZI KHAIR MUHAMMAD)

Director (Technical) Rural Development Department Hyderabad (CONVENER)

# NIT No. XEN/RDD/LRK/Tender(Solar)/2016-17/300 Dated: 24-11-2016.

Method and procedure of procurement: Open Competitive Bidding (National/International Competitive Bidding)

(Single Stage - Two Envelopes)

Description of work: Installation Of Solar Lights In Rural Sindh Larkana Division.

Name of Bidder: M/S Wadood Engineering Services & Star Link (JV).

# BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

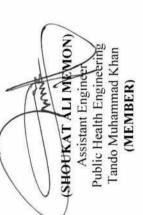
Eligibility/ Qualification Criteria:

S. No.	Eligibility / Qualification Criteria	M/S ZTE Zhongxing Telecom	M/S National Logistic Cell	M/S Wadood Engineering Services & Star Link (JV)	M/S Solar Tech	M/S Outdoor Unlimited & R.K Construction Co.
-	Registration with PEC (if applicable)	FC-A License # 005	C-A License # 00007	C-1 License # 01067	C-2 License # 01626	C-2
2	NIN .	NTN # 1734953-2	Exempted	NTN # 3928169-8	NTN # 2546290-3	NTN # 1291742-7
3	Registration with Sindh Revenue Board (SRB)	SNTN # 1734953-2	Exempted	SNTN # 3928169-8	Not Attached	SNTN # 1291742-7
Qualific	Qualification Criteria:					
4	Minimum three years experience of relevant field.	Provided	Provided	Provided	Provided	Provided
5	Turnover of at least last three years	Provided	Provided	Provided	Provided	Provided
9	Required Bid Security is attached.	Attached	Attached	Attached	Attached	Not Attached
7	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes	Yes	Yes	Yes
∞	Affidavit	Attached	. Attached	Attached	Attached	Attached
6	Evaluation Criteria Provided in the NIT.	Obtained 72 Marks and didn't meet the criteria	Obtained 86 Marks and meet the criteria	Obtained 89 Marks and meet the criteria	Obtained 56 Marks and didn't meet the	Obtained 81 Marks
	Qualified/ disqualified	Disqualified due to non- meeting the criteria.	Qualified	Qualified	Disqualified due to non-meeting the criteria.	Qualified

Note: The procuring agency may modify the criteria as per their requirements.



Executive Engineer
Rural Development Department
Larkana
(MEMBER)





( QAZI KHAIR MUHAMMAD)

Director (Technical)

Rural Development Department
Hyderabad

(CONVENER)

## M/s. ZIE-Zke-Zhongxing Telecom.

s.no.	CRITERIA	MAX MARK
A (	COMPANY PROFILE	6
10	(i) Number of years	,
	10 Years - 6 Marks	1
	5 Years - 3 Marks	
3 F	FINANCIAL CAPABILITY	4
10	(i) 600 Million or more - 4 Marks	
- 10	(ii) 300 Million or more - 2 Marks	
: (	GENERAL / SPECIFIC EXPERIENCE	4
10	(i) Public Sector - 4 Marks	
100	(ii) Private Sector - 1 Marks	
) [	MACHINERY & EQUIPMENT	10
ı	D (i) Similar Nature of project executed with the contract value greater than 300 Million - 10 Marks	0
l l	D (ii) Similar Nature of project executed with the contract value less than 300 Million - 5 Marks	
- 1	TECHNCIAL PROPOSAL	
10	(A) AUTHORIZED DISTRIBUTOR / SOLE AGENT / DEALER	
1	A (i) Solar Panel Manufacturer	9 2
Ī	Certifications (ISO, IEC, RoHS, TUV, CE etc)	2 2
7	A (ii) LED light Manufacturer	2
Ī	Certifications (ISO, IEC, RoHS, TUV, CE etc)	2
1	A /iii\ Pattery Manufacturer "Lithium LifePOA Rattery"	2
40	Certifications (ISO, IEC, RoHS, TUV, CE etc)	
17	A (iv) Electronics & Automation	2
	Certifications (ISO, IEC, RoHS, TUV, CE etc)	
	(B) SPECIFICATION	
ļ,	B (i) Integrated Solar LED Light 72W @ Drive Power 42W	4 2
l l	B (ii) Fully integrated Energy Management Controller	2
* /	B (ii) Fully integrated Energy Management Controller B (iii) Builtin Wireless interface B (iv) Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2
1	B (iv) Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2
1	B (v) Pole to Pole Spacing @ 35 Meters 2	2
	(C) SPECIALIZATION	
(	C (i) Wireless connectivity gateway with data sim	6
	C (ii) Automatic / Robotic Solar Panel Cleaning	10
- 1	UNDERSTANDING OF PROJECT REQUIREMENT AND PROJECT PLAN	8
r	Participant must establish by submitted documents and write-ups that they have understanding of project requirements and shall submit its detailed project plan for the subject project. The submitted material would evaluated for Participant understanding of the project	be

EXECUTIVE ENGINE
Rural Development Department
Division Larkana.

G	PROPOSED METHODOLOGY/SOLUTION AND COMPLIANCE	6	8
	Participant must submit a detailed project methodology meeting the procuring agency requiremen submitted methodology would be evaluated for participant understanding of project. The offered size evaluated against the requirements of the assignment.		
Н	REPAIR, OPERATION & MAINTENANCE Repair & Maintenance for two (02) years after commissioning of the Solar LED Light.  (i) Participant must submit an affidavit on registered stamp paper duly attested by notary procedures in place 2 Marks	ublic 4 Marks	6
ı	DEMONSTRATION AND SAMPLE AS PER REQUIRED SPECIFICATION	8	20

TOTAL MARKS

100

QUALIFIYING MARKS

72

80

To mind

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana.

OAZI KHAIR MUHAMMAD)

Director (Technical)

Development Department

Hydroxycapped

(CONVERGER)

s.no.		CRITERIA	MAX MARKS
A	COMPA	NY PROFILE	6
	(i)	Number of years	
		10 Years - 6 Marks	
		5 Years - 3 Marks	
3	FINANC	CIAL CAPABILITY	4
	(i)	600 Million or more - 4 Marks	
	(ii)	300 Million or more - 2 Marks	
	GENERA	AL / SPECIFIC EXPERIENCE	4
	(i)	Public Sector - 4 Marks	
	(ii)	Private Sector - 1 Marks	
)	MACHI	NERY & EQUIPMENT	10
	D (i)	Similar Nature of project executed with the contract value greater than 300 Million - 10 Marks	
	D (ii)	Similar Nature of project executed with the contract value less than 300 Million - 5 Marks	4
		CIAL PROPOSAL	
	(A)	AUTHORIZED DISTRIBUTOR / SOLE AGENT / DEALER	-
1	A (i)	Solar Panel Manufacturer	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	_
	A (ii)	LED light Manufacturer  Costifications (ISO IEC Bolds TIIV CE etc)	2
		Certifications (ISO, IEC, Rons, TOV, CE etc)	_
	A (iii)	Battery Manufacturer "Lithium LifePO4 Battery"	2
9.1		Certifications (ISO, IEC, RoHS, TUV, CE etc)	
	A (iv)	Electronics & Automation	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	+
	(B)	SPECIFICATION	
	B (i)	Integrated Solar LED Light 72W @ Drive Power 42W	2
	B (ii)	Fully integrated Energy Management Controller	2
*	B (iii)	Builtin Wireless interface	2
	B (iv)	Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2
	B (v)	Pole to Pole Spacing @ 35 Meters	2
	( C)	SPECIALIZATION	
	C (i)	Wireless connectivity gateway with data sim	6
	C (ii)	Automatic / Robotic Solar Panel Cleaning	10
	UNDER	STANDING OF PROJECT REQUIREMENT AND PROJECT PLAN	8
	require	ant must establish by submitted documents and write-ups that they have understanding of project ments and shall submit its detailed project plan for the subject project. The submitted material would be ed for Participant understanding of the project	

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EXECUTIVE ENGINEER Rural Development Department Division Larkana. De mark

G	PROPOSED METHODOLOGY/SOLUTION AND COMPLIANCE	8
	Participant must submit a detailed project methodology meeting the procuring agency requirements. The submitted methodology would be evaluated for participant understanding of project. The offered solution would be evaluated against the requirements of the assignment.	
4	REPAIR, OPERATION & MAINTENANCE  Repair & Maintenance for two (02) years after commissioning of the Solar LED Light.  (i) Participant must submit an affidavit on registered stamp paper duly attested by notary public 4 Marks  (ii) Clearly defined support and escalation procedures in place 2 Marks	6
	DEMONSTRATION AND SAMPLE AS PER REQUIRED SPECIFICATION (4	20

**TOTAL MARKS** 

100

**QUALIFIYING MARKS** 

80

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana.

s.no.	CRITERIA	9	MAX MARKS
A	COMPANY PROFILE		6
	(i) Number of years 6		
	10 Years - 6 Marks	10	
	5 Years - 3 Marks		
3	FINANCIAL CAPABILITY		4
	(i) 600 Million or more - 4 Marks	/	
	(ii) 300 Million or more - 2 Marks		
	GENERAL / SPECIFIC EXPERIENCE		4
	(i) Public Sector - 4 Marks	1	
	(ii) Private Sector - 1 Marks	9	
)	MACHINERY & EQUIPMENT	,	10
	(i) Similar Mature of project executed With the contract value Breater than 500 minus	10	
	D (ii) Similar Nature of project executed with the contract value less than 300 Million - 5 Marks		
	TECHNCIAL PROPOSAL	- 1	
	(A) AUTHORIZED DISTRIBUTOR / SOLE AGENT / DEALER		
	A (i) Solar Panel Manufacturer	2	2
	Certifications (ISO, IEC, RoHS, TUV, CE etc)		7
	A (ii) LED light Manufacturer	2	2
	Certifications (ISO, IEC, RoHS, TUV, CE etc)		
	A (iii) Battery Manufacturer "Lithium LifePO4 Battery"	2	2
3	Certifications (ISO, IEC, RoHS, TUV, CE etc)		75.
	A (iv) Electronics & Automation	2	2
	Certifications (ISO, IEC, RoHS, TUV, CE etc)	_	<b></b>
	(B) SPECIFICATION		
	B (i) Integrated Solar LED Light 72W @ Drive Power 42W	2	2
	B (ii) Fully integrated Energy Management Controller	2	2
40	B (iii) Builtin Wireless interface	2	2
	B (iv) Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2	2
	B (v) Pole to Pole Spacing @ 35 Meters	2	2
	(C) SPECIALIZATION	6	FEM.V
	c (i) Wireless connectivity gateway with data sim	5	6
	C (ii) Automatic / Robotic Solar Panel Cleaning	_	10
	UNDERSTANDING OF PROJECT REQUIREMENT AND PROJECT PLAN	8	8
	Participant must establish by submitted documents and write-ups that they have understanding of project requirements and shall submit its detailed project plan for the subject project. The submitted material would	be	
N.	evaluated for Participant understanding of the project		

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana.

(QAZI KHAIR MUHAMMAD)
Director (Technical)
Rural Development Department Hyderabad.

(CONVENOR)

G	PROPOSED METHODOLOGY/SOLUTION AND COMPLIANCE	8
	Participant must submit a detailed project methodology meeting the procuring agency requirements. The submitted methodology would be evaluated for participant understanding of project. The offered solution would be evaluated against the requirements of the assignment.	
Н	REPAIR, OPERATION & MAINTENANCE  Repair & Maintenance for two (02) years after commissioning of the Solar LED Light.  (i) Participant must submit an affidavit on registered stamp paper duly attested by notary public 4 Marks	6
ī	(ii) Clearly defined support and escalation procedures in place 2 Marks  DEMONSTRATION AND SAMPLE AS PER REQUIRED SPECIFICATION  19	20

**TOTAL MARKS** 

100

**QUALIFIYING MARKS** 

80

Rural Development Department Division Larkana.

### Firluation Critema

s.no.		CRITERIA	MAX MARK
A	COMPA	ANY PROFILE	6
	(i)	Number of years 6	
	*	10 Years - 6 Marks	
	- 3	5 Years - 3 Marks	
3	FINANC	CIAL CAPABILITY	4
	(i)	600 Million or more - 4 Marks	
	(ii)	300 Million or more - 2 Marks	
:	GENER	AL / SPECIFIC EXPERIENCE	4
	(i)	Public Sector - 4 Marks	
	(ii)	Private Sector - 1 Marks	
)	MACHI	NERY & EQUIPMENT	10
	D (i)	Similar Nature of project executed with the contract value greater than 300 Million - 10 Marks	
	D (ii)	Similar Nature of project executed with the contract value less than 300 Million - 5 Marks	
	TECHN	CIAL PROPOSAL	
	(A)	AUTHORIZED DISTRIBUTOR / SOLE AGENT / DEALER	
	A (i)	Solar Panel Manufacturer 2	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	
	A (ii)	LED light Manufacturer	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	_ ~
	A (iii)	Battery Manufacturer "Lithium LifePO4 Battery"	2
3		Certifications (ISO, IEC, RoHS, TUV, CE etc)	_ ~
	A (iv)	Electronics & Automation	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	-
	(B)	SPECIFICATION  Integrated Solar LED Light 72W @ Drive Bower 42W	
	B (i)	Integrated Solar LED Light 72W @ Drive Power 42W	2
	B (ii)	Fully integrated Energy Management Controller	2
	B (iii)	Builtin Wireless interface	2
	B (iv)	Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2
	B (v)	Pole to Pole Spacing @ 35 Meters	2
	( C)	SPECIALIZATION Wireless connectivity gateway with data sim	
	C (i)	Wheless connectivity gateway with data sim	6
	C (ii)	Automatic / Robotic Solar Panel Cleaning	10
	UNDER	STANDING OF PROJECT REQUIREMENT AND PROJECT PLAN	8
	require	ant must establish by submitted documents and write-ups that they have understanding of project ments and shall submit its detailed project plan for the subject project. The submitted material would be ed for Participant understanding of the project	

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana

G	PROPOSED METHODOLOGY/SOLUTION AND COMPLIANCE	8
	Participant must submit a detailed project methodology meeting the procuring agency requirements. The submitted methodology would be evaluated for participant understanding of project. The offered solution would be evaluated against the requirements of the assignment.	
4	REPAIR, OPERATION & MAINTENANCE Repair & Maintenance for two (02) years after commissioning of the Solar LED Light.  (i) Participant must submit an affidavit on registered stamp paper duly attested by notary public 4 Marks  (ii) Clearly defined support and escalation procedures in place 2 Marks	
	DEMONSTRATION AND SAMPLE AS PER REQUIRED SPECIFICATION	20

TOTAL MARKS		100
QUALIFIYING MARKS	56	80

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana.

s.no.		CRITERIA	MAX MARKS
A	COMPA	NY PROFILE	6
	(i)	Number of years	
		10 Years - 6 Marks	
		5 Years - 3 Marks	
3	FINANC	CIAL CAPABILITY	4
	(i)	600 Million or more - 4 Marks	
	(ii)	300 Million or more - 2 Marks	
	GENERA	AL / SPECIFIC EXPERIENCE	4
	(i)	Public Sector - 4 Marks	
	(ii)	Private Sector - 1 Marks	
)	MACHI	NERY & EQUIPMENT	10
	D (i)	Similar Nature of project executed with the contract value greater than 300 Million - 10 Marks ( 🍎	
	D (ii)	Similar Nature of project executed with the contract value less than 300 Million - 5 Marks	_
	TECHNO	CIAL PROPOSAL	
	(A)	AUTHORIZED DISTRIBUTOR / SOLE AGENT / DEALER	
	A (i)	Solar Panel Manufacturer	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	
	A (ii)	LED light Manufacturer	2
	Certifications (ISO, IEC, RoHS, TUV, CE etc)		
	A (iii)	Battery Manufacturer "Lithium LifePO4 Battery"	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	
	A (iv)	Electronics & Automation	2
		Certifications (ISO, IEC, RoHS, TUV, CE etc)	-
	(B)	SPECIFICATION	
	B (i)	Integrated Solar LED Light 72W @ Drive Power 42W	2
	B (ii)	Fully integrated Energy Management Controller	2
÷	B (iii)	Builtin Wireless interface	2
	B (iv)	Lithium LifePO4 Battery, greater than 2000 cycles (removable cartridge)	2
	B (v)	Pole to Pole Spacing @ 35 Meters	2
	( C)	SPECIALIZATION Wireless connectivity gateway with data sim	
	C (i)	Wheless connectivity gateway with data sim	6
	C (ii)	Automatic / Robotic Solar Panel Cleaning /o	10
-	UNDER	STANDING OF PROJECT REQUIREMENT AND PROJECT PLAN	8
<b>1</b>	require	ant must establish by submitted documents and write-ups that they have understanding of project ments and shall submit its detailed project plan for the subject project. The submitted material would be ed for Participant understanding of the project	

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EXECUTIVE ENGINEER Rural Development Department Division Larkana

G	PROPOSED METHODOLOGY/SOLUTION AND COMPLIANCE	8
	Participant must submit a detailed project methodology meeting the procuring agency requirements. The submitted methodology would be evaluated for participant understanding of project. The offered solution would be evaluated against the requirements of the assignment.	
Н	REPAIR, OPERATION & MAINTENANCE Repair & Maintenance for two (02) years after commissioning of the Solar LED Light.  (i) Participant must submit an affidavit on registered stamp paper duly attested by notary public 4 Marks	6
	(ii) Clearly defined support and escalation procedures in place 2 Marks  DEMONSTRATION AND SAMPLE AS PER REQUIRED SPECIFICATION  7	20

TOTAL MARKS		100
DUALIFIYING MARKS	81	80

EXECUTIVE ENGINEER
Rural Development Department
Division Larkana