



इरकॉन रिन्यूएबल पावर लिमिटेड



IRCON RENEWABLE POWER LIMITED

No. IRPL/SOLAR_Pavagada/OE/05

Date: 01.12.2022

M/s. TATA Consulting Engineers Ltd.,
Elphinstone Building, 10, Veer Nariman Road,
Mumbai 400001
ngambhir@tce.co.in,
gsiddaiah@tce.co.in

Letter of Acceptance

Dear Sir,

Kind Attn: Sh. Gangadhara Siddaiah (Associate VP & Head of Sales, Power Business Unit)

Sub: Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka.

- Ref. i) e-NIT No. IRPL/SOLAR_Pavagada/OE/05, Date:02/09/2022.
ii) Corrigendum-01 Dated: 10.09.2022
iii) Your offer submitted for the subject e-Tender on 16.09.2022 on CPP Portal.

1. In reference to e-NIT and your submitted offer referred above, IRCON Renewable Power Limited is pleased to accept your offer for "Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka" on the following Terms & Conditions.

2. Total Cost of Work :

Rs. 70,90,026/- (Rupees Seventy Lakh Ninety Thousand Twenty Six only) inclusive of all taxes, duties and GST on "FIRM" price basis in accordance with NIT terms and conditions issued vide Ref. (i.) and Corrigendums vide Ref. (ii) above for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka. Statutory deductions like TDS-Income Tax, TDS-GST or any other Taxes as applicable shall be deducted from the RA Bills. Taxes, Duties & Levies shall be governed in accordance with Clause No. 13 of Special Conditions of Contract (SCC). The detailed Bill of Quantities (BOQ) is Enclosed as Annexure-I.

3. In terms of Clause no. 10. of Special Conditions of Contract, the date of issuance of this Letter of acceptance shall be the date of commencement of work.

4. The subject work of Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka shall be completed as per the schedule given below from the date of issue of this LOA in terms of clause no. 12. of the Special Conditions of Contract:





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Completion Period / Milestone Target for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka		
Sl.No.	Description of Milestone	Target
A.)	Topography Survey:	
1.	Completion of topography survey	D+0.5 Month
B.)	Soil Investigation:	
1.	Completion of soil investigation	D+0.5 Month
C.)	Stage – 1 (Basic Engineering, Tender Preparation, Offer Evaluation and support till order finalization). (Completion Period – D+0.5 Month)	
1.	Technology selection covering yield simulation, layout preparation and Single Line Diagrams [SLD]	D+0.5 Month
2.	Preparation of RFQ for PV Module, BOS EPC package and tracker, Power Evaluation System and Transmission line.	
3.	Technical evaluation of offers	
D.)	Stage – 2 (Review Engineering and Project Execution)	
1.	Priority 1 documents of substation and power transformer package [power transformer and civil execution drawings] – Design review, validation and approval	D+3 Months
2.	Priority 2 documents of substation and power transformer package [other electrical drawings] – Design review, validation and approval	D+7 Months
3.	Priority 1 documents of BOS EPC & tracker package [civil execution drawings] – Design review, validation and approval	D+4 Months
4.	Priority 2 documents of BOS EPC & tracker package [other electrical drawings] – Design review, validation and approval	D+7 Months
5.	Priority 3 documents of BOS EPC & tracker package [other civil and electrical utility & infrastructure drawings]	D+10 Months
6.	Commissioning, PR/ Guaranteed testing, punch point closure supervision and take over by O&M after completion of Acceptance Test [Operational Acceptance Certificate]	COD+6 Months

D= Date of Letter of Acceptance.

COD = Commercial Operation Date.

Turnaround time for drawing/ document review:

a. Review of first submission – turn-around time of 3 working days.

b. Review of next revision – turn-around time of 1 working day.



पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली – 110017, भारत
Registered Office: C-4, District Centre, Saket, New Delhi- 110017, INDIA
Tel : +91-11-26530245, Fax : +91-11-26854000, 26522000
CIN:U40106DL2022GOI392384



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IRCON RENEWABLE POWER LIMITED

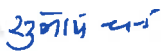


5. Payment Terms: To be dealt as per Tender Conditions.
6. The Defect Liability Period shall be 24 Months from the Commissioning Date / Commercial Operation Date (COD) of the Project in accordance with Clause No. 20 of the Special Conditions of Contract. The Tentative Commissioning Date / Commercial Operation Date (COD) of Project is 03-April-2024.
7. In terms of Clause 17. of Special Conditions of Contract and Clause 8.0 of the Conditions of Contract, Performance Security for an amount 3% of Contract value i.e. **Rs. 2,13,000/-** (Rupees Two Lakh Thirteen Thousand Only) shall be submitted to the office of Chairman, Ircon Renewable Power Ltd., C-4, District Centre, Saket, New Delhi-17 within 21 days of issuance of this letter.
8. This letter will constitute a legal and binding contract between Ircon Renewable Power Limited (IRPL) and M/s. TATA Consulting Engineers Ltd. till such time the formal contract agreement is signed.
9. You have to enter into and execute the contract agreement within 28 days from the date of issue of this letter of acceptance with Chairman / Ircon Renewable Power Ltd., C-4, District Centre, Saket, New Delhi-17. You are requested to arrange the stamp papers of requisite value as per the prevailing laws for signing of the agreement in terms of Clause 17. of the Special Conditions of Contract and Clause No. 12.5 of the Conditions of Contract.
10. You are requested to immediately contact Chairman / Ircon Renewable Power Ltd., C-4, District Centre, Saket, New Delhi-17 for execution of works under this contract.
11. All other terms and conditions shall be as per the Tender Document.
12. This letter is being issued to you in duplicate, one copy of which may please be returned duly stamped and signed as a token of your acceptance at the earliest.

Thanking you,

Yours faithfully

For & on behalf of Ircon Renewable Power Limited


(Dr. Subhash Chand)
Chairman



Encl.- As above.

Copy to: -

- (i) Committee Members for selection of Owner's Engineers
- (ii) Project Development Committee

LOA No.IRPL/SOLAR_Pavagada/OE/05

Summary Sheet of BOQ for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka

Sr. No.	Description	Amount (inclusive of all applicable taxes, Duties & GST) (in Rs.)
1	Bill of Quantities (BOQ) for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka	77,35,136
Total Estimated Amount of BOQ inclusive of all taxes, duties and GST [A]		77,35,136
Percentage Quoted : Below (-) 8.34% of BOQ Amount [B]		6,45,110
Net Amount of LOA [C] = [A]-[B]		70,90,026

Encl: (i) Annexure-I(A): Bill of Quantities (BOQ) for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka of Rs. 77,35,136/-



LOA No.IRPL/SOLAR_Pavagada/OE/05

Bill of Quantities (BOQ) for Owner's Engineers for 500 MW Solar PV Project of IRCON Renewable Power Limited (IRPL) at Pavagada, Karnataka					
Sl. No.	Description	Units	Quantity	Rate	Amount
1.0	Owners Engineer				
1.1	Technology selection covering yield simulation, layout preparation and Single Line Diagrams [SLD]	Job	1	2,28,000.00	2,28,000.00
1.2	Preparation of RFQ for PV Module, BOS EPC package and tracker, Power Evaluation System and Transmission line.	Job	1	2,28,000.00	2,28,000.00
1.3	Technical evaluation of offers	Job	1	3,04,000.00	3,04,000.00
1.4	Stage – 2 (Review Engineering and Project Execution)	Job	1	30,39,200.00	30,39,200.00
1.5	Civil Engg. deployment	Man Month	5	1,44,000.00	7,20,000.00
1.6	Elec Engg. deployment	Man Month	5	1,44,000.00	7,20,000.00
1.7	Site visit	Man Day	20	27,040.00	5,40,800.00
2.0	Topographical Survey				
2.1	Drone Survey for 2500 Acres	Acres	2500	120.00	3,00,000.00
2.2	Construction of permanent Benchmark Pillar– As per appendix Scope	Nos.	10	4,000.00	40,000.00
2.3	One time - Setting up ground control points	Job	1	Included	Included
3.0	Soil Investigation				
3.1	Mobilization and Demobilization	Job	1	1,20,000.00	1,20,000.00
3.2	Boreholes	Nos.	20	1,200.00	24,000.00
3.3	SPT (for each BH)	Nos.	20	3,600.00	72,000.00
3.4	Laboratory Tests (for each BH)	Nos.	20	1,600.00	32,000.00
3.5	Electrical Resistivity	Nos.	15	4,000.00	60,000.00
3.6	Thermal Resistivity	Nos.	5	4,000.00	20,000.00
3.7	Chemical analysis of undisturbed soil samples or disturbed SPT soil samples	Nos.	7	800.00	5,600.00
3.8	CBR	Nos.	4	2,400.00	9,600.00
3.9	Trial Pit	Nos.	3	4,000.00	12,000.00
3.10	Report Preparation	Job	1	80,000.00	80,000.00
	Total				65,55,200.00
	GST@18%				11,79,936.00
	Grand Total				77,35,136.00

