



TRIPURA RENEWABLE ENERGY DEVELOPMENT AGENCY
 (A Constituent Organization of Power Deptt., Government of Tripura)
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No.F. 6(259)/TREDA/NCES/19/3513

Date 25/02/2020

AMENDMENT 1

NAME OF WORK:	Design, manufacture, supply, erection, testing and commissioning of Solar PV Power Plants on turn-key basis including Warranty / Guarantee and Annual Maintenance Contract for 5 (five) years from the date of commissioning in various Government installations in the State of Tripura
DNIe-T	No.F. 6(259)/TREDA/NCES/19/3157, dated 11/02/2020
CORRIGENDUM 1	No.F. 6(259)/TREDA/NCES/19/3484, dated 20/02/2020
TENDER ID	2020_TREDA_8431_1

In pursuance to the pre-bid meeting held on 20th February, 2020 at TREDA, Agartala the following amendments have been made of the above e-tender:

REFERENCE OF CLAUSE IN DNIe-T			APPEARED AS	AMENDED AS
PART - 4: SCOPE OF WORK & TECHNICAL SPECIFICATIONS	CLAUSE NO. 2.3: TECHNICAL SPECIFICATIONS OF 10 KWp SPV POWER PLANT	SUB-CLAUSE NO. 6: POWER CONDITIONING UNIT (INVERTER PLUS MPPT CHARGE CONTROLLER)	6.7: Input voltage: a) <u>From PV Array:</u> 180 V nominal DC from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 10 KWp.) b) <u>From Battery Bank:</u> 180 Volt, 400 AH c) <u>From AC Source:</u> 410-415 V (± 10 %), 3 ph, 50 Hz (± .5 Hz).	6.7 Input voltage: a) <u>From PV Array:</u> 180 V nominal DC or DC input required for solar grid inverter for from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 10 KWp.) b) <u>From Battery Bank:</u> 180 Volt, 400 AH OR as required for Solar Grid Inverter from DC input c) <u>From AC Source:</u> 410-415 V (± 10 %), 3 ph, 50 Hz (± .5 Hz).
			6.8: Nominal DC output voltage from Charge Controller Unit: Suitable for charging 180 V, 400 Ah	6.8: Suitable for charging 180 V, 400 Ah OR minimum 72000 VAH @ C/ 10 hr. Tubular Plate GEL type battery bank from

			@ C/ 10 hr. Tubular Plate GEL type battery bank from SPV array.	SPV array.
PART - 4: SCOPE OF WORK & TECHNICAL SPECIFICATIONS	CLAUSE NO. 2.3: TECHNICAL SPECIFICATIONS OF 10 KWp SPV POWER PLANT	SUB-CLAUSE CLAUSE 8: BATTERY BANK:	8.6: Individual Battery / Cell capacity: 400 Ah (at c/10 discharge rate)	8.6: Individual Battery / Cell capacity: 400 Ah (at c/10 discharge rate) OR as offered by bidder to achieve minimum 72000 VAH capacity.
			8.7: No. of total Cells & combination / Battery Bank: 90 nos. (Additional 2 nos. as commissioning spare)	8.7: No. of total Cells & combination / Battery Bank: 90 nos. + Additional 2 nos. as commissioning spare OR as required to achieve minimum 72000 VAH capacity + Additional 2 nos. of batteries as commissioning spare.
PART - 4: SCOPE OF WORK & TECHNICAL SPECIFICATIONS	CLAUSE NO. 2.4: TECHNICAL SPECIFICATIONS OF 5 KWp SPV POWER PLANT	SUB-CLAUSE NO. 6: POWER CONDITIONING UNIT (INVERTER PLUS MPPT CHARGE CONTROLLER)	6.7: Input voltage: a) <u>From PV Array:</u> 96 V nominal DC from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 5 KWp.) b) <u>From Battery Bank:</u> 96 Volt, 400 AH c) <u>From AC Source:</u> 410-415 V (± 10 %), 3 ph, 50 Hz (± .5 Hz).	6.7 Input voltage: a) <u>From PV Array:</u> 96 V nominal DC or DC input required for solar grid inverter from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 5 KWp.) d) <u>From Battery Bank:</u> 96 Volt, 400 AH OR As required for Solar Grid Inverter from DC input b) <u>From AC Source:</u> 410-415 V (± 10 %), 3 ph, 50 Hz (± .5 Hz).
			6.8: Nominal DC output voltage from Charge Controller Unit: Suitable for charging 96 V, 400 Ah @ C/ 10 hr. Tubular Plate GEL type battery bank from SPV array.	6.8: Suitable for charging 96 V, 400 Ah OR minimum 38400 VAH @ C/ 10 hr. Tubular Plate GEL type battery bank from SPV array.
		SUB-CLAUSE CLAUSE 8: BATTERY BANK:	8.6: Individual Battery / Cell capacity: 400 Ah (at c/10 discharge rate)	8.6: Individual Battery / Cell capacity: 400 Ah (at c/10 discharge rate) OR as required to achieve minimum 38400 VAH capacity.
			8.7: No. of total Cells & combination / Battery Bank: 48	8.7: No. of total Cells & combination / Battery Bank: 48 nos. + Additional 1 no. as

			nos. (Additional 1 no. as commissioning spare)	commissioning spare OR as required to achieve minimum 38400 VAH capacity + Additional 1 no. of battery as commissioning spare.
PART - 4: SCOPE OF WORK & TECHNICAL SPECIFICATIONS	CLAUSE NO. 2.5: TECHNICAL SPECIFICATIONS OF 5 KWp SPV POWER PLANT	SUB-CLAUSE NO. 6: POWER CONDITIONING UNIT (INVERTER PLUS MPPT CHARGE CONTROLLER)	6.7: Input voltage: a) <i>From PV Array:</i> 96 V nominal DC from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 5 KWp.) b) <i>From Battery Bank:</i> 96 Volt, 200 AH c) <i>From AC Source:</i> 410-415 V ($\pm 10\%$), 3 ph, 50 Hz ($\pm .5$ Hz).	6.7: Input voltage: a) <i>From PV Array:</i> 96 V nominal DC or DC input required for solar grid inverter from Solar PV Array (250 Wp or higher capacity Solar Modules be connected in appropriate series & parallel combinations so that the Array capacity is minimum 5 KWp.) b) <i>From Battery Bank:</i> 96 Volt, 200 AH OR As required for Solar Grid Inverter from DC input c) <i>From AC Source:</i> 410-415 V ($\pm 10\%$), 3 ph, 50 Hz ($\pm .5$ Hz).
			6.8: Nominal DC output voltage from Charge Controller Unit: Suitable for charging 96 V, 200 Ah @ C/ 10 hr. Tubular Plate GEL type battery bank from SPV array.	6.8: Suitable for charging 96 V, 200 Ah OR minimum 19200 VAH @ C/ 10 hr. Tubular Plate GEL type battery bank from SPV array.
		SUB-CLAUSE CLAUSE 8: BATTERY BANK:	8.6: Individual Battery / Cell capacity: 200 Ah (at c/10 discharge rate)	8.6: Individual Battery / Cell capacity: 200 Ah (at c/10 discharge rate) OR as required to achieve minimum 19200 VAH capacity.
			8.7: No. of total Cells & combination / Battery Bank: 48 nos. (Additional 1 no. as commissioning spare)	8.7: No. of total Cells & combination / Battery Bank: 48 nos. + Additional 1 no. as commissioning spare OR as required to achieve minimum 19200 VAH capacity + Additional 1 no. of battery as commissioning spare.
PART 6: TECHNICAL BID	Clause No. 6.3	--	6.3: Tubular GEL Battery (2 Volt, 400 AH)	6.3: Tubular GEL Battery
		ADDITIONAL SUB-CLAUSE		6.3.9: Capacity of battery:

	Clause No. 6.4	--	6.4: Tubular GEL Battery (2 Volt, 200 AH)	6.4: Tubular GEL Battery
	ADDITIONAL SUB-CLAUSE	--	--	6.4.8: Capacity of battery:

Other terms & conditions of the DNle-T and Corrigendum 1 will remain unchanged.

(D S DAS)
Joint Director