

M/s.NOYYAL COIR CLUSTER
(Special Purpose Vehicle (SPV), Erode-Tiruppur Coir Cluster)

Tender No: TN/NYL/ELE/01//20-21 dated 13.01.2021

Tender for the supply of Goods and Services for Erode-Tiruppur Coir Cluster on Turnkey Basis

CORRIGENDUM-1 dated 22.01.2021

The above tender was already published in the website on 13.01.2021 and the last date for submission of tender documents for the above tender is **29.01.2021, 02.00 P.M.** Based on the queries received through mail/letters, the following amendments are issued in the tender schedule:

Sl. No	Page No	Clause No.	Existing Clause	Revised Clause
1.	10	Clause 25 – Payment terms	<p>(a) 30% of contract value will be paid as advance on execution of agreement against Bank guarantee. The Tenderer should produce Bank guarantee for the equal amount, which should be valid for a minimum period of 12 months. If necessary the bank guarantee should be extended for the required period as requested by SPV.</p> <p>(b) 40% of the contract value will be paid, against bills, on progress of supply on receipt of the part consignment of the machinery, equipments and its accessories as per the order in good condition, at the CFC site, after acceptance by the tender committee.</p> <p>(OR) Alternatively, the bidder may opt for 70% of Contract value on supply of the complete set of machinery, equipments and its accessories as per the</p>	<p>a) 30% of contract value will be paid as advance on execution of agreement against Bank guarantee. The Tenderer should produce Bank guarantee for the equal amount, which should be valid for a minimum period of 12 months. If necessary the bank guarantee should be extended for the required period as requested by SPV.</p> <p>b) 40% of the contract value will be paid, against bills, on progress of supply on receipt of the part consignment of the machinery, equipments and its accessories as per the order in good condition, at the CFC site, after acceptance by the tender committee.</p> <p>(OR) Alternatively, the bidder may opt for 70% of Contract value on supply of the complete set of machinery, equipments and its accessories as per the</p>

Sl. No	Page No	Clause No.	Existing Clause	Revised Clause
			<p>order in full in good condition, at the CFC site, after acceptance by the tender committee, instead of claiming first installment of 30% as advance payment against bank guarantee.</p> <p>(c) 25% of the contract value will be paid on successful completion of performance test.</p> <p>(d) The balance 5% and SD will be released only after satisfactory completion of the entire contract.</p> <p>(e) SPV also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the SPV immediately on demand, without raising any dispute/protest.</p>	<p>order in full in good condition, at the CFC site, after acceptance by the tender committee, instead of claiming first installment of 30% as advance payment against bank guarantee.</p> <p>c) The balance 30% and SD will be released only after successful completion of the commissioning of the project.</p> <p>d) SPV also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the SPV immediately on demand, without raising any dispute/protest.</p>
2.	10	Clause 26 (a) - Penalty	a) Failure to execute the entire contract within the stipulated time from the date of issue of purchase order / advance payment, as the case may be, will attract a penalty of 1% per week, on the full value of the contract upto a maximum of 5%. Delays beyond that period will result in cancellation of the orders.	a) Failure to execute the entire contract within the stipulated time as mentioned in Clause 21(b), due to delay on the part of the supplier/contractor, from the date of issue of work order/purchase order, as the case may be, will attract a penalty of 1% per week, on the full value of the contract upto a maximum of 5%. Delays, on the part of supplier/contractor, beyond that period will result in cancellation of the orders.
3.	9	Clause 22 (C) Performance Test	The performance tests should be completed within 30 days from the date of delivery of machineries, equipments and all accessories. However the period of supply, erection, commissioning and performance test should not exceed the period stipulated in the schedule	Package I & II: The performance tests should be completed within 30 days from the date of delivery of machineries, equipments and all accessories. However the period of supply, erection, commissioning and performance test should not

Sl. No	Page No	Clause No.	Existing Clause	Revised Clause
			of supply (Chapter 20).	<p>exceed the period stipulated in the schedule of supply (Chapter 20).</p> <p>Package III, IV & V: The commissioning should be completed within 30 days from the date of delivery of equipments and all accessories. However the period of supply, erection and commissioning should not exceed the period stipulated in the schedule of supply (Chapter 20).</p>
4.	35	Price Bid - Package III	-	Package III Price Bid is modified and the modified price bid is given below.

All other terms and conditions remain unchanged.

**CHAIRMAN
NOYYAL COIR CLUSTER**

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Response to Pre-bid Queries

Sl. No	Clause No.	Clarification sought	Pre-bid query response
1.	-	Scope of TANGEDCO EB Application Process and Documents preparation	TANGEDCO EB Application Process and Documents preparation is contractor scope.
2.	Package III BoQ - External Electrification	Incoming ACB specification not clear, please mention SLD as per description of items APFC feeder providing 400 A TPN FSC, its not acceptable, providing MCCB transformer mentioned IS2026, its non standard BIS, only 1180 level 2	<ul style="list-style-type: none">➤ Incomer ACB should be of MDO type as mention in BOQ.➤ APFC incomer is given as MCCB and Feeder Control at MV Panel is TPN, FSU only.➤ Transformer should be as per IS 1180, level 2, Energy-Efficient transformer and routine test should be done as per IS 2026. The components that does not falls under IS 1180, IS 2026 shall be adopted.➤ All the earth electrode should be of IS 3043.
3.	-	Kindly provide the preferable make for all electrical equipments	Preferable make for all electrical equipments is enclosed

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PREFERABLE MAKE	
Switchgears	L&T /Schendier/Seimence
MCB's	Legrand/L&t/Schendier
MCCBs	Schendier/L&T/ABB
HRC Fuses	L&T
APFC Relay	Elemeasure /C&S / BCH
Contactora,Relays	L & T /BCH/ Schendier
Digital Instruments	Schinder/Rishabh/Elemeasure
Timers	Minilec/L&T/Schendier
Rotary switches	Salzer/Kay cee
Current Transformer (CT's)	Rishabh /RR
Indicating Lamps	SCI/Ideal/ Technic
Push Buttons	SCI/Technik/L&T
Capacitor	Epcos/Schinder/ABB
LT Cables	Havells/Polycab/RPG
Cable Glands	Prabhat/HMI
Cable Lugs	Jainson/Gripvel
PVC Wires - 660V Grade	L&T/Havells/RR/ LAPP
MS Conduit pipes & Accessories	Gupta/crown
PVC Conduit pipes	VIP/Vasavi/Thangam/Agentha
Clip on connectors	Connectwell/salzer/Elmex
Light fittings	Philips/Crompton/ Havells
Light Switches	Anchor/Lisha
Transformer	SPS/IPL/WILLSON

PRICE BID FOR PACKAGE III
(Bidders to bid for the respective package)

S.NO	DESCRIPTION	QTY	UNIT	BASIC PRICE
1	TRANSFORMER YARD & POWER HOUSE HT &LT CONSUMER YARD			
a)	Supply and Erection of 11KV Double pole Structure: 2 Nos 200 x 100mm RS Joist, 6 Nos 100 x 50mm Cross Channels 3 Nos Stra in Disc Insulators with metal parts and bimettalic clamps, 1 Set 3 Nos Air Break Assembly of 400A with post top insulators, operating Rod and handle arrangement, 3 Nos Pin Insulators with metal pin, 1 Set 3 Nos Horn Gap Fuse Assembly with post top insulators, 2 Nos Stay Set with necessary stay rod plate and tensonner 3 nos 9kV 5kA Lightning arrestors with necessary clamps, Adequate quantity of "0"SWG HDBC Copper jumper wire for jumbering between AB Switch HG Fuse, Pin Insulators. Necessary angles and supports complete the DP structure Anti corrosive primer two coates and Aluminium two coates.	1	Set	
b)	Supply and Erection of 11 / 433V, 500kVA, 3 phase, 50Hz, Copper wound, Outdoor type, Oil Cooled,Dyn11 vector group, naturally cooled, Energy Efficiency Level-2 Distribution Transformer with On-Load Tap changer as per latest issue of IS:1180 (Part-I) of 2014 with BIS Certified and ISI markingil filled Transformer as per IS 2026 / IS 1180, with no load voltage ratio of 11kV/433V and with +5% to -15% in step of 1.25%,(16 steps & 17 Position).The Transformers must have provisions for connection with REF and Ground Detector relay.Following accessories to be provided: Pressure relief valve with contact, Bucholtz Relay with alarm and trip contact ,Oil temperature indicator with alarm and trip contact, Winding Temperature indicator with alarm and trip contact, Magnetic oil level gauge with alarm contact, Marshaling box to house oil temperature indicator and winding temperature indicator, Conservator, Explosion vent, drain valve, roller, etc. as required complete Transformer shall be suitable for operation in an ambie Aluminum bus bars shall be bare with color coding at the ends/Copper shall be bare with color coding at the ends/For Humidified areas the copper bus bars shall be coated with tin. The current density for Aluminium busbars shall be 0.8A/sq.mm and The current density for Copper busbars shall be 1.6A/sq.mm.Louvers shall be provided for all the bus bars chambers (Horizontal & Vertical) with mesh to meet IP Requirement. All vertical bus bars in bus bar alley shall have bottom supports. All UPS outg	1	no	

	<p>Supply and Erection of Low Tension (LT) PANEL BOARDS</p> <p>LT panels as per IS standards, suitable for 415V, 3 phase, 4 Wire 50 Hz AC supply system of suitable size fabricated in compartmentalized design, from CRCA sheet steel of 1.6 mm thickness for internal partition , 2mm thickness for frame work, body and covers, 3mm thickness for gland plates with stiffeners where ever required and shall be dust and vermin proof construction.All doors to have double rubber/foam gasket with shutter assembly & door seating frame.The Panel shall be fully as per the requirement of CEIG/Electrical Inspectorate authorities.</p> <p>The panel must be a vibration free structure which is chemically treated wth seven tank process before painting for surface treatment and powder coated with two coats of Zinc chromate primer and two coats of paint of approved shade or RAL 7032.</p> <p>Busbars:Aluminium/ Copper busbars of Electrolytic grade conductivity as per standard IS 5082. Bus bar supports:Fire retardant DMC/FRP/SMC. Bus bar joints: Shrouded/Tinned. Aluminum bus bars shall be bare with color coding at the ends/Copper shall be bare with color coding at the ends/For Humidified areas the copper bus bars shall be coated with tin. The current density for Aluminium busbars shall be 0.8A/sq.mm and The current density for Copper busbars shall be 1.6A/sq.mm.Louvers shall be provided for all the bus bars chambers (Horizontal & Vertical) with mesh to meet IP Requirement. All vertical bus bars in bus bar alley shall have bottom supports.</p> <p>All UPS outgoing panels shall have neutral busbars double the size of phase & gland plates should be of alluminium.</p>			
a	<p>Main MV Panel compressing of</p> <p>EB Incoming: 800A, FP, MDO type ACB with UV and Shunt Coil with AMPS, Volt, Frequency, KWH, Power Factor meter, Indicating Lamps for Phase indication, Indicating Lamps for ACB ON & OFF indication, Control MCBs, CT Coils & Earth fault Relay, complete metering wiring with all wiring Accessoires. Demand controller and single phasing preventer has to be incoporated</p> <p>DG Incoming: 250A,4P, FSU - 1 Nos DG Metering compressong of multifunction meter</p> <p>Mechanical Interlock, 2 Lock 1Key - 1 No</p> <p>OUTGOING: 400A,TPN, Fuse Switch with HRC Fuse - 2 Nos 250A,TPN, Fuse Switch with HRC Fuse - 2 Nos 160A,TPN, Fuse Switch with HRC Fuse - 1No 125A,TPN, Fuse Switch with HRC Fuse - 1No</p> <p>Busbar Size: 800A ALUMINIUM BUS BAR</p>	1	No	
b	<p>Main Lighting Sub Switch Board(MLSB):</p> <p>INCOMING : 125A,TPN,FSU- 1No</p> <p>OUTGOING: 63A,TPN, Fuse Switch with HRC Fuse - 6 Nos</p>	1	no	
d	<p>Lighting Sub Switch Board - 1(LSSB):</p> <p>INCOMING : 63A,TPN,MCB - 1No</p> <p>OUTGOING: 25A DP MCB - 6 Nos</p>	1	No	
e	<p>Lighting Switch Board(LDB):</p> <p>INCOMING : 25A,DP ELMCB - 1No</p> <p>OUTGOING:</p>			

	6A SP MCB - 8Nos	1	No	
c	AUTOMATIC POWER FACTOR CONTROL PANEL(APFC)			
	100 KVAR, VERY FINE TUNED APFC with adequate Capacitor Bank with 250A, MCCB as Incomer Outgoings 63A TP MCB-12 Nos with capacitor duty contactor and (2x15kvar; 5x10kvar; 3x5kvar; 1x3kvar; 1x2kVAr Capacitor	1	No	
d	Supply&Erection of 25 x 3mm Copper Flat	200	mtrs	
e	Supply&Erection of 25 x 6mm Copper Flat	80	mtrs	
f	Supply&Erection of 10Swg Copper Wire	100	mtrs	
g	Supply&Erection of Brided Copper Wire	5	mtrs	
h	Supply and Erection of weather proof Encloser for neutral CT provided as capacity of 10% of the full load current of transformer with 15vA	1	No	
i	Supply&Erection of 19C 1.5Sqmm Cu.Ar.XLPE Cable	30	mtrs	
j	Supply&Erection of 4C 2.5Sqmm Cu.Ar.XLPE Cable	30	mtrs	
k	Supply&Erection of 2C 2.5Sqmm Cu.Ar.XLPE Cable	30	mtrs	
l	Supply&Erection of 19C 1.5Sqmm Cu.Ar.XLPE Cable Termination	2	nos	
m	Supply&Erection of 4C 2.5Sqmm Cu.Ar.XLPE Cable Termination	2	nos	
n	Supply&Erection of 2C 2.5Sqmm Cu.Ar.XLPE Cable Termination	2	nos	
o	Supply&Erection of 3.5C 400Sqmm Al.Ar.XLPE Cable	60	mtrs	
p	Supply&Erection of 3.5C 400Sqmm Al.Ar.XLPE Cable Termunation	6	nos	
	Supply & Erection of 3.5C 185 sq.mm XLPE.Al. Ar. UG Cable	20	mts	
	Supply&Erection of 3.5C 185Sqmm Al.Ar.XLPE Cable Termunation	2	nos	
	Supply & Erection of 3.5C 35 sq.mm XLPE.Al. Ar. UG Cable	50	mts	
	Supply&Erection of 3.5C 35Sqmm Al.Ar.XLPE Cable Termunation	2	nos	
	Supply & Erection of 4C 4 sq.mm XLPE.Cu. Ar. UG Cable	50	mts	
	Supply&Erection of 4c4Sqmm Cu.Ar.XLPE Cable Termunation	2	nos	
g	Supply & Erection of 100KVA generator with complete work of Testing and Commissioning	1	nos	
h	Supply erection of earth bit as per I.E. Standard of 2.0 mts 19mm dia Copper Bonded earth electrode with appropriate eco friendly earth filling materials	11	nos	
q	Supply&Erection of Caution Notice Board	6	nos	
r	Erection of Fencing for Transformer Yard	1	job	
k	Wiring to the various light points, plug points, fan points by M.S. Conduit pipe with necessary accessories and fashioners with adequate rating of PVC insulated copper wires as per IE Standard (point length is calculated as max. 5 mts and additional length is calculated as Run of main and power points are calculated as 2 nos light point).	20	nos	
l	1 x 18 Watts LED tube light fitting with lamp	10	nos	
m	Supply & Erection of Street 40/50w LED Light Fitting with wall mounting support pipe	4	nos	
2	TANGEDCO EB Application Process and Documents preparation	-	-	
	Sub-Total			
	Erection & Commissioning Charges			
	GST			
		SGST		
		CGST		
	Grand Total			
	Amount in Words:			
				Signature of the Tenderer