



TP Southern ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
Kamapalli, Courtpeta, Berhampur, Ganjam, Odisha, India -760 004
NIT No.: TPSODL/OT/2022-23/78

ANNEXURE I

Revised-Schedule for Items

Sr. No.	Description	Qty	Unit	Unit INR	Rate in	GST INR	in	All Inclusive Amount in INR
BOQ-1 (Combined for Three Floors)								
1	Engineering, Supply, Installation & Commissioning for VRV System for all the three floors.	1	AU					
1.1	AMC for one year comprehensive (2nd year)	1	AU					
1.2	AMC for one year comprehensive (3rd year)	1	AU					
1.3	AMC for one year comprehensive (4th year)	1	AU					
1.4	AMC for one year comprehensive (5th year)	1	AU					
	Total for All Floors							
BOQ-2 (Floor Wise)								
Exclusively for Ground Floor – LOT-1								
Sr. No.	Description	Qty	Unit	Unit INR	Rate in	GST INR	in	All Inclusive Amount in INR
2	Engineering, Supply, Installation & Commissioning for VRV System for Ground Floor.	1	AU					
2.1	Ground Floor AMC for one year comprehensive (2 nd Year)	1	AU					
2.2	Ground Floor AMC for one year comprehensive (3rd year)	1	AU					
2.3	Ground Floor AMC for one year comprehensive (4th year)	1	AU					
2.4	Ground Floor AMC for one year comprehensive (5th year)	1	AU					
	Total for Ground Floor							
Exclusively for 1st Floor – LOT-2								
3	Engineering, Supply, Installation & Commissioning for VRV System for 1 st Floor.	1	AU					
3.1	1 st Floor AMC for one year comprehensive (2 nd Year)	1	AU					

3.2	1 st Floor AMC for one year comprehensive (3rd year)	1	AU			
3.3	1 st Floor AMC for one year comprehensive (4th year)	1	AU			
3.4	1 st Floor AMC for one year comprehensive (5th year)	1	AU			
Total for 1st Floor						
Exclusively for 2nd Floor – LOT-3						
4	Engineering, Supply, Installation & Commissioning for VRV System for 2 nd Floor.	1	AU			
4.1	1 st Floor AMC for one year comprehensive (2 nd Year)	1	AU			
4.2	1 st Floor AMC for one year comprehensive (3rd year)	1	AU			
4.3	1 st Floor AMC for one year comprehensive (4th year)	1	AU			
4.4	1 st Floor AMC for one year comprehensive (5th year)	1	AU			
Total for 2nd Floor						

1. This Tender is on Turnkey basis of Engineering, Supply, Installation & Commissioning of VRV system at TPSODL Office at Ambapua, Berhampur.
2. Bidder has to mandatorily quote for both BOQ-1 and BOQ-2 mentioned above and all line items i.e. combined for all three floors together against BOQ-1 and also separately for all three floors against BOQ-2
3. **If BA is awarded with SITC of VRV works for all three floors or only for any of the single (one) floor out of these three floors – project timelines will remain unchanged.**
4. The bids will be evaluated commercially on lowest cost overall BOQ-1 Basis and also Lot basis for each floor as detailed in BOQ-2 .
5. **TPSODL reserves the right to award the order either BOQ-1 wise or Split the order Lot wise as detailed in BOQ-2, among more than one Bidder.**
6. The prices shall be firm till the validity of the contract.
7. Total Inclusive amount as mentioned above, shall be inclusive of all taxes, duties, freight, and insurance, loading & unloading charges. The unit price is landed price on FOR/DAP Berhampur site basis and for the complete SITC scope of the tender.
8. The bids will be evaluated commercially on the overall lowest cost of mentioned BOQ above separately against each line item mentioned above.
9. Anything missed out in the BOQ and scope of work entailed in this tender document but required for the successful completion of the job in all respects, shall be in the scope of the Bidder. The bidder must analyze comprehensively and include the cost of such items in bid financials before bid submission. No additional / extra payment of any kind shall be payable to BA.

10. The unit price is landed price on FOR/DAP Office at Ambapua, Berhampur site basis
11. The bidders are advised to quote prices strictly in the above format. Failing to do so, bids are liable for rejection.
12. The bidder must fill each and every column of the mentioned format. Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.
13. No cutting/ overwriting in the prices is permissible.

An indicative BOQ is shared below to facilitate prospective bidders to understand the basic requirement of the job to achieve required parameters. Bidders may customize the BoM suit to site condition and submit the breakup of their bids against BOQ-1 and BOQ-2 in similar manner.

INDICATIVE BOQ (Combined for all Three Floors)

VRF System - High Side Quantities							
Sr. No.	Description	Qty	Units	Unit Rate in INR	GST in INR	All-inclusive Rate in INR	All Inclusive Amount in INR
1.0	SUPPLY OF VRF UNITS						
	Supply of following type VRF units with scroll compressor. The units should be complete with indoor unit, condensing unit, controls, microprocessor control panel, internal wiring, Refrigerant piping etc.						
1	Out Door Units (Top Discharge)						
a	24 HP	1	Nos.				
b	28 HP	1	Nos.				
c	32 HP	1	Nos.				
2	Indoor Units						
2.1	Hi-wall Units						
a	1.0 TR	1	Nos.				
b	0.8 TR	6	Nos.				
2.2	Four Way Cassette Units						
a	4.0 TR	7	Nos.				
b	3.2 TR	13	Nos.				
c	2.0 TR	1	Nos.				
3	Remote Controls						
3.1	Individual Remote Control						
a	Wireless Remote For all Indoor units	28	Nos.				
c	Signal Receiving unit For Four Way Cassette Units	21	Nos.				
4	Refnet	26	Nos.				
A-TOTAL Equipment price in INR including GST							

VRF System - Low Side - Bill of Quantities

Sr. No.	Description	Qty	Units	Unit Rate in INR	GST in INR	All-inclusive Rate in INR	All Inclusive Amount in INR
B	INSTALLATION AND LOADING UNLOADING OF VRF UNITS						
1	Out Door Units						
a	24 HP	1	Nos.				
b	28 HP	1	Nos.				
c	32 HP	1	Nos.				
2	Indoor Units						
2.1	Installation of Indoor Units:						
a	VRF Four Way Cassette Units	21	Nos.				
b	VRF Hi-wall Units	7	Nos.				
3	Installation of Refnet Joints	26	Nos.				
4	Loading & Unloading of Indoor & Outdoor Units	1	Lot				
5	Refrigerant Copper Tubing						
a	VRV Refrigerant Piping using 18 G hard drawn copper along with 19mm thick for suction & 13 mm thick for Discharge line with nitrile rubber insulation and 1" thick GI Channel support & 8mm full threaded rod & PVC Supporting Under copper pipe With Suitable clamp.	220	Rmt				
b	VRV Refrigerant Piping using 20 G Soft drawn copper along with 19mm thick for suction & 13 mm thick for Discharge line with nitrile rubber Insulation and 1" thick GI Channel support & 6mm full threaded rod & PVC Supporting Under copper pipe With Suitable clamp	80	Rmt				
6	Electrical cabling						
a	Interconnecting control cabling between VRF IDU's & ODU's 2 C X 1.5 Cu Shielded Cable Sqmm with 1/2 " pvc flexible Conduit.	450	Rmt				
b	3 Core x 2.5 sqmm Flexible power cabling for VRF IDU's	84	Rmt				
c	4 Core x 6 sqmm Armoured power cabling for VRF ODU's	12	Rmt				
7	Cable Trays for Exposed Piping						

	GI 18G Perforated cable trays to run all exposed copper piping/drain piping					
a	300mm x 75mm	210	Rmt			
b	150mm x 75mm	195	Rmt			
8	M. S. Stand for VRF Outdoor units					
a	Supply, Fabrication & Installation of Structural Stand for VRF outdoor units complete with epoxy painting, vibration isolation pads, supporters, bracket etc	4	Nos			
9	Pressure Testing, Nitrogen flushing, gas charging, testing & commissioning of the air conditioning system.					
a	84 HP	84	Hp			
b	Additional Gas charging R410	50	Kg			
10	Hard PVC plumbing grade Drain piping with 9mm Nitrile insulation.					
a	25 mm Dia	84	Rmt			
b	32 mm Dia	30	Rmt			
c	40 mm Dia	15	Rmt			
B-Total of Equipment Installation including GST						
TOTAL Equipment SITC price in INR including GST (A+B)						

Detailed break-up of the price shall also be submitted along-with Price Bid.

Signature & Seal of the Bidder

