

Date: - 12 December, 2018

1. Mumbai Distribution Network Assessment Committee (M-DNAC) received proposals from TPC-D and RInfra-D for power supply to the applicant “**Medinee Niketam CHS Ltd.**”, Andheri East, Mumbai.
2. On 4 December, 2018, the proposals received from Adani Electricity Mumbai Ltd.- Distribution (AEML-D) and Tata Power Co. Ltd. – Distribution Business (TPC-D) were opened in presence of the representatives of both the Licensees. Shri Nilesh Potphode and Shri Girish Pednekar were present on behalf of TPC-D and Shri Ganesh Balasubramanian was present on behalf of AEML-D.
3. Item-wise details and cost submitted by **TPC-D** is as follows:

Item-wise details:

Sr. No.	Item	Unit	Quantity
1	11 kV 3C 300 sq. mm HT cables	M	1000
2	11 kV 3 Way Ring Main Unit	Ea	1
3	11 kV 630 kVA Oil Type Transformer	Ea	1
4	1.1 kV 4C 300 Sqmm LT Cables	M	60
5	LT Breaker 2000 A I/C	Ea	1
6	RI charges, Cable laying, Excavation and other related charges	LS	1
7	Civil foundation for Substation Equipment	LS	1

Total cost involved for catering to total load applied for: **Rs. 111 lakhs.**

4. Item-wise details and cost submitted by **AEML-D** is as follows:

Item-wise details of network addition proposed in the following Format:

Sr. No.	Item	Unit	Quantity	Cost (Rs.)
1	11 kV 3C 300 sq. mm XLPE Cable	Meters	210	10,51,367
2	11 kV Dry Switchgear (1+2) – RMU	Nos.	1	3,24,250
3	11/0.4 kV, 400 kVA Dry Type DT	Nos.	1	7,03,344
4	Low Voltage Panels (Switchgear)	Nos.	1	84,855
Total				21,63,816

Total cost involved for catering to total load applied for: Rs **21, 63,816** /-

5. Thus, it is seen that the cost submitted by AEML-D is less than the cost submitted by TPC-D.
6. The Committee had asked both the licensees to estimate the MD based on MSEDCL's norms while submitting the proposals. As AEML-D's cost was the lowest among the two proposals, the Committee sought the backup calculations from AEML-D for MD estimation. The backup calculations given by AEML-D is as follows:

Category	BuA of Project (in Sqmtrs)	As per M-DNAC norms		Estimated MD (kVA)
		Connected Load (W/sqmtrs)	Diversity Factor	
	(as per 20.1 Form submitted by applicant to RInfra)	(MSEDCL Norms)		$D = A \times B / (C \times p.f \times 1000)$
	(A)	(B)	(C)	(D)
Commercial with Central Air conditioning	0	200	1.5	0.00
Commercial without Central Air conditioning	0	150	1.5	0.00
Residential**	5257.38	75	1.5	328.59
Residential#	0	75	2.5	0.00

Notes:

Concerned Building is entirely Residential

** Power Factor assumed as 0.92 for Comercial Loads & 0.8 for Residential Loads*

*** for Carpet area/apartment - upto and including 500 sq.ft*

for Carpet area/apartment - more than 500 sq.ft

7. The above computation is found in order in accordance with MSEDCL's norms. Accordingly, AEML-D is the least cost licensee for releasing the connection to instant consumer.
8. In view of the above, the Committee has decided to allow AEML-D to release power supply connection to M/s Medinee Niketan CHS, Andheri (East), Mumbai. The total cost submitted by AEML-D of Rs. 21,63,816/- shall be the ceiling cost (with no further incremental cost) for ARR of AEML-D as mentioned in the Case No. 182 of 2014.

Sd/- **Sd/-** **Sd/-** **Sd/-**
(Rakesh Guhagarkar) **(Nikhil Meshram)** **(Dilip Dumbre)** **(Pradeep Nichat)**