

KARNATAKA POWER TRANSMISSION CORPORATION LTD.,
No:KPTCL/B25/CEE(T&P)/SEE(T&P)/
EE(P)/AEEP-2/16-17
Encl : 7 Pages



Corporate Office,
Kaveri Bhavan,
Bangalore - 560 009.

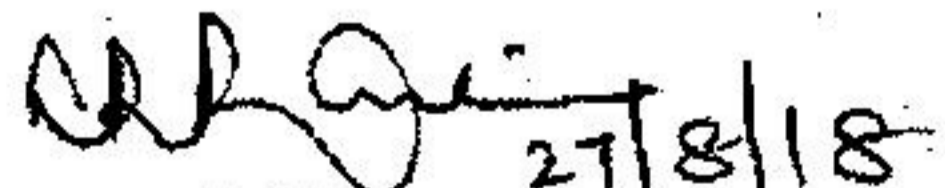
Dated: 27 AUG 2018

OFFICIAL MEMORANDUM

- Sub** : Procurement of SCADA-DAS Compatible 11kV, 31.5 kA Switchgears from M/s MEI Ltd, Bengaluru-Reg.
- Ref** : 1 Corporate order No. KPTCL/B25/CEE(T&P)/SEE(T&P)/EE(P)/AEEP-2/16-17 Bengaluru Dtd:20.07.2017.
2 Note No. KPTCL/B25/CEE(T&P)/SEE(T&P)/EE(P)/AEEP-2/16-17 Dtd:04.08.2018 approved by Managing Director.
3 Proceedings of the meeting held on 24.07.2018 at Corporate office, KPTCL, Kaveri Bhavan chaired by Managing Director, KPTCL vide no. CEE(T&P)/SEE/EE(P)/AEEP-2/2018-19/5207-20 Dtd: 08.08.2018.

Approval was accorded to CEE(T&P) to enter into a rate contract with M/s MEI Ltd., Bengaluru as per the mutually agreed negotiated Ex-works price with M/s MEI Ltd., Bengaluru at price fixation committee meeting held on 16-06-2017 for supply of 11KV Switchgears vide corporate order Dtd. 20.07.2017 (cited under reference(1)) for a period of two years till 31-03-2019. These are required for replacement and augmentation works and all other works of substations, including substations under Deposit Contribution Works/ Self execution works.

Now, as requested in the note cited under reference (2), approval is also accorded to CEE(T&P) to enter into a rate contract with M/s MEI Ltd., Bengaluru as per the mutually agreed negotiated Ex-works price with M/s MEI Ltd., Bengaluru at price fixation committee meeting held on 24-07-2018 for supply of SCADA-DAS Compatible 11kV, 31.5kA Switchgears (cited under reference(3)) annexed to this O.M.


Deputy General Manager (Tech)
KPTCL, Bengaluru.

Copy to:

1. The Chief Engineer Elec (T&P), KPTCL, Kaveri Bhavan, Bengaluru -for further needful.
2. All Chief Engineers (Electy)., KPTCL.
3. FA (A&R)/FA (I/A) and FA(RA), KPTCL, Kaveri Bhavan, Bengaluru-09.

4. SPS to Managing Director/ Director(Finance)/ Director(Transmission)/ Director (A&HR)/ Company Secretary, KPTCL, Kaveri Bhavan, Bengaluru with a request to place it before MD/D(F)/D(T)/D(A&HR)/CS.
5. AO, Codification Cell, KPTCL, Kaveri Bhavan, Bengaluru-09.

Copy to:

The Superintending Engineer (EI), (IT&MIS), KPTCL, Kaveri Bhavan, Bengaluru - with a request to upload this O.M on the website of KPTCL.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Proceedings of the meeting held on 24-07-2018 at 2:30PM at Corporate office, KPTCL, Kaveri Bhavan, Bengaluru to discuss the issues pertaining to price fixation in respect of SCADA-DAS Compatible 11kV, 31.5kA Switchgear panels of M/s. MEI Ltd. make.

Officers Present (list Annexed)

The Managing Director, KPTCL chaired the meeting and welcomed all the officers present in the meeting.

The necessity of DAS Compatible 11kV Switchgear panels in place of conventional 11kV Switchgear panels for KPTCL Substations proposed to be used in the BMAZ Area of BESCO was discussed. BESCO desires the control of 11kV switchgears for operations from their DAS control centers. In order to make 11kV Switchgear compatible for DAS and SCADA, the SEE, BMAZ South held several discussions with M/s. MEI, RT and SCADA/DAS representatives. Many additional numerical relays are to be provided and modifications have to be made in the existing 11kV Switchgear panels for SCADA-DAS compatible.

SEE (BMAZ) briefed about the discussions held in the previous meeting on 30-06-2018 to discuss the Price fixation in respect of DAS Compatible 11kV, 31.5kA Switchgear panels of M/s. MEI Ltd make. It was informed that the availability of vendors for supply of 33-I/P & 30-O/P Numerical Relays are limited in number, therefore it was decided to use 24-I/P & 24-O/P Numerical relays to increase the vendors base for supply of relays.

Therefore in the previous meeting MEI was informed to re-work the prices by considering 24 I/P and 24 O/P numerical relay in place of 33-I/P and 30 O/P numerical relay and re-work the price of DAS compatible Bus Coupler panels and resubmit their offer for proposed modifications. MD, MEI had agreed to re-work the rates and resubmit the offer for proposed modifications.

Accordingly M/s MEI vide letter dated 16-07-2018 has furnished the revised price details of numerical relay for SCADA-DAS panels considering 24 BI/P and 24 BO/P and the revised cost implications of the additional items required for the SCADA-DAS compatible panels:

M. K. S. S. 8/8/18

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Revised Prices offered by M/s. MEI for additional items required for SCADA/DAS modifications

Sl. no.	Details	31.5KA Incomer	31.5KA Feeder	31.5KA Capacitor Bank	31.5KA Bus Coupler
1.	<u>Revised Prices of additional items required for SCADA/DAS modifications offered by M/s. MEI:</u> The addition of price is due to Numerical Relay 24-1/P & 24-0/P, Electrical Reset Master Tripping Relay, 6A Trip Neutral close switch, 6A local SCADA Remote switch 3position, 3 way, MFM, contractor 3nos CVD/TRANSDUSERS fixing channel 1 off and 66KV voltage indicating unit, specification as per KPTCL/BESCOM	+154220.00	+148240.00	+134456.00	+120367.00
2.	<u>Reduction in cost:</u> The existing panel CT cost may reduce due to changes burden from 15VA-5VA	-11866.00	-10300.00	-10300.00	-2001
3.	<u>Reduction in cost:</u> The reduction in meters like MW, MVR Ammeter with switch, volt meter with switch and buzzer	-130788.00	-70667.00	-87162.00	-
4.	<u>Revised Effective additional cost between existing and new panels SCADA-DAS compatible.(1-2-3)</u>	+11555.00	+67273.00	+36894.00	+118366.00
5.	Earlier offered prices of additional items offered by M/s MEI required for SCADA/DAS modifications -Prior to negotiation meeting	+53866.00	+106069.00	+81074.00	+192999.00
6.	Decrease in price of additional items required for SCADA/DAS modifications-after negotiation meeting (sl no 5-4)	42300.00	38796.00	44080.00	74633.00

Further, CEE (T&P) furnished the details of existing ex-works rate contract price as on 01.04.2017 and IEEMA updated rate as on 30.04.2018 for 11kV MCVCB, 500MVA, 31.5kA switchgear panels and additional price details offered by M/s. MEI Ltd., for supply of SCADA/ DAS compatible switchgear panels and proposed Ex-works rate contract price as on 30.04.2018 for SCADA-DAS compatible switchgear panels as below:


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Details of Earlier offered Price by M/s. MEI for additional items:

Sl. No.	Particulars	Existing ex-works rate contract price as on 01.04.2017 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	IEEMA updated (+6.45%) rate as on 30.04.2018 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	Earlier offered Additional price by M/s. MEI Ltd., for supply of SCADA- DAS compatible switchgear panels. In Rs. (Taxes extra)	Proposed Ex-works rate contract price as on 30.04.2018 for SCADA-DAS compatible switchgear panels. In Rs. (Taxes, F&I extra)
1	2	3	4	5	6=4+5
1	Incomer panel	779870.87	830172.54	53866.00	884038.54
2	Feeder panel	651427.96	693445.06	106069.00	799514.06
3	Feeder panel for Capacitor Bank	717728.95	764022.47	81074.00	845096.47
4	Bus coupler panel	690063.98	734573.11	192999.00	927572.11

Details of Revised offered Price by M/s. MEI for additional items as agreed in the price negotiations meeting held on 30-06-2018:

Sl. No.	Particulars	Existing ex-works rate contract price as on 01.04.2017 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	IEEMA updated (+6.45%) rate as on 30.04.2018 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	Revised offered additional price by M/s. MEI Ltd., for supply of SCADA- DAS compatible switchgear panels. In Rs. (Taxes extra)	Proposed Ex-works rate contract price as on 30.04.2018 for SCADA-DAS compatible switchgear panels. In Rs. (Taxes, F&I extra)
1	2	3	4	5	6=4+5
1	Incomer panel	779870.87	830172.54	11566.00	841738.54
2	Feeder panel	651427.96	693445.06	67273.00	760718.06
3	Feeder panel for Capacitor Bank	717728.95	764022.47	36994.00	801016.47
4	Bus coupler panel	690063.98	734573.11	118366.00	852939.11

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Director (Transmission), KPTCL asked the KPTCL officials to explain the effects on scaling down of numerical relay binary inputs and outputs from 33-I/p and 30 O/P to 24 I/P and 24 O/P on the compatibility and operational issues and its cost implications.

CEE, RT and R&D, KPTCL, Bengaluru submitted that, some of the Binary inputs in the numerical relays such as OCR operated, EFR operated etc which were given as separate inputs can be clubbed to a single input as "protection operated" and number of spare BI/BO's were reduced. Thereby, 33 I/P & 30 O/P were reduced to 24 I/P and 24 O/P which will not affect the scheme. Hence, the cost has been scaled down accordingly.

Director (Transmission) asked M/s MEI, the reasons for escalation in prices and said that the price reduction has to be done by considering 24 I/P and 24 O/P Numerical rely and also on other additional items proposed.

Chair asked MEI to further reduce the prices by considering 24 I/P and 24 O/P Numerical rely and also on other additional items proposed for Incomer panel, Feeder panel, Feeder panel for capacitor bank and Bus coupler panel.

It was explained by MEI that it is basically a customized product designed based on the requirement specified by KPTCL and BESCOM officials. The requirement and specifications for SCADA/DAS Compatible 11KV, 21.5KA Switchgear panels have been discussed with SEE, BMAZ, CEE (RT and R&D) and BESCOM officials several times and on comparison of competitive rates of suppliers the rates have been reworked and arrived duly considering 24 I/P and 24 O/P Numerical rely and also on other factors such as reduction in CT burden and rebate on MFM meters.

After detailed discussions, M/s MEI agreed to further reduce the revised additional prices of additional items by 2%.

M. Srinivas 8/8/14
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Details of Revised offered Price after considering further reduction of 2% on the revised prices of additional items:

Sl. No.	Particulars	Existing ex-works rate contract price as on 01.04.2017 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	IEEMA updated (+6.45%) rate as on 30.04.2018 for conventional switchgear panels. In Rs. (Taxes, F&I extra)	Additional price offered by M/s. MEI Ltd., for supply of SCADA- DAS compatible switchgear panels. In Rs. (Taxes extra)	Additional price After considering further 2% reduction on col. (5) for supply of SCADA- DAS compatible switchgear panels. In Rs. (Taxes extra)	Proposed Ex-works rate contract price as on 30.04.2018 for SCADA- DAS compatible switchgear panels. In Rs. (Taxes, F&I extra)
1	2	3	4	5	6	7=4+6
1	Incomer panel	779870.87	830172.54	11566.00	11334.68	841507.22
2	Feeder panel	651427.96	693445.06	67273.00	65927.55	759372.61
3	Feeder panel for Capacitor Bank	717728.95	764022.47	36994.00	36254.12	800276.59
4	Bus coupler panel	690063.98	734573.11	118366.00	115998.68	850571.79

After detailed discussions and considering further reduction of 2% on the revised additional prices of additional items offered by M/s MEI, it was agreed by the Chair for the modifications proposed by the CEE, TZ, Bengaluru and for fixing the ex-works rate contract price as on 01.04.2018, in the rate contract Order placed on MEI, for SCADA-DAS compatible 11kV, MCVCB, 500MVA, 31.5kA switchgear panels proposed to be used in the BMAZ Area of BESCOM at the following rates.

Sl. No.	Particulars	Unit ex-works rate contract price as on 30.04.2018 for SCADA - DAS compatible 11kV, MCVCB, 500MVA, 31.5kA switchgear panels. (PV applicable) (Taxes, F&I extra). In Rs.
1	Incomer panel	Rs.8,41,507.22
2	Feeder panel	Rs.7,59,372.61
3	Feeder panel for Capacitor Bank	Rs.8,00,276.59
4	Bus coupler panel	Rs.8,50,571.79

PV is applicable and Taxes, F&I extra.

DGM (Tech) shall issue necessary corporate order for inclusion of these SCADA-DAS compatible 11kV, MCVCB, 500MVA, 31.5kA switchgear panels to be used in the BMAZ Area of BESCO at the rates agreed as above, in the rate contact Order placed on MEI. All other terms and conditions of the rate contact Order remain unaltered.

The meeting was concluded with thanks from the chair to all the officers present.

M. Anand 8/8/18

Chief Engineer, Electy.,
Tendering & Procurement

No.CEE (T&P)/SEE/EE (P)/AEEP-2/2018-19/

Date: - 8 AUG 2018

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Copy to:

- 1) The Managing Director, MEI, Tumkur Road, Yeshwanthpura, Bengaluru.
- 2) The Chief Engineer, Electy., RT and R&D, KPTCL, Kaveri Bhavan, Bengaluru
- 3) The Chief Engineer, Electy., P&C, KPTCL, Kaveri Bhavan, Bengaluru.
- 4) The Chief Engineer, Electy, Transmission Zone, KPTCL, Bengaluru
- 5) The Superintending Engineer, Ele. T&P KPTCL, Kaveri Bhavan Bengaluru.
- 6) The Deputy General Manager (Technical), KPTCL, Kaveri Bhavan, Bengaluru.
- 7) The Superintending Engineer, BMAZ, South, KPTCL, Bengaluru.
- 8) The Superintending Engineer, BMAZ, North, KPTCL, Bengaluru.
- 9) The Controller, T&P, KPTCL, Kaveri Bhavan, Bengaluru.
- 10) P.S to Managing Director/ Director (Transmission)/ Director (Finance), KPTCL, Kaveri Bhavan, Bengaluru with a request to place it before MD/ D (T)/D(F).
- 11) EE (P)/AEE (P2), T&P.
- 12) MF/OC.

ANNEXURE

KPTCL:

1. Sri. Jawaid Akhtar, I.A.S, Managing Director.
2. Smt. Aditi Raja, Director(Finance).
3. Sri.K.V. Shiva Kumar, Director (Transmission).
4. Sri.M. RenuPrasad , CEE (T&P).
5. Sri.M. Mallikarjuna Reddy, CEE, TZ, Bengaluru.
6. Sri.B.V. Girish, I/c CEE (RT and R&D)
7. Sri.D.J. Divakara, SEE(T&P)
8. Sri. Manjunath.M.T. SEE(Tech)
9. Sri. KotreshiThalasta, SEE, BMAZ, South
10. Sri.H. Chandrashekar ,SEE, BMAZ, North
11. Sri. Vishweshwar Bhat, CA(T&P)
12. Sri. H.R.Prakash, EEE(Tech)
13. Sri. Mohammed Mushtaq, EEE(Tech).
14. Sri. G.T.Krishna Reddy, EEE(T&P)
15. Smt. K.S. Gayatri, AEE(T&P)

M/s. MEI Ltd.:

1. Sri. S.E.Uddanna, Deputy General Manager.
2. Sri. Thimmanna Manager, Marketing.