

**ORISSA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN
UNIT-VIII, BHUBANESWAR – 751 012**

Present : Shri B. K. Das, Chairperson
Shri S. K. Jena, Member

Dated the 6th day of August, 2007

Case Nos.4, 5, 6 & 7 of 2005

Director (Engg.)		Petitioner
- Vrs -		
1. M/s. CESCO, Bhubaneswar		
2. M/s. NESCO, Balasore		
3. M/s. WESCO, Burla		
4. M/s. SOUTHCO, Berhampur		
5. M/s. GRIDCO, Janpath, Bhubaneswar		Respondents

For the petitioner : Shri K. L. Panda, Director (Engg.)/c, OERC

For the respondents : Shri R. N. Mohanty, Chief Operating Officer,
CESU (earlier CESCO)
Col. S. C. Mohanty, CEO, NESCO
Maj. Gen. (Retd.) S. C. Dutta, CEO, WESCO
Shri G. S. R. Murty, GM, SOUTHCO
Shri S. R. Das, CGM (O&M), OPTCL &
Shri K.C. Behera, Sr. GM (R&T), OPTCL

ORDER

Director (Engg.), the petitioner submitted that originally the cases were initiated under Section 142 of the Act for violation of provisions of Reg.5.4(4) and 5.8.4 of the Orissa Grid Code (OGC). In the course of the hearing dt.05.04.2007, the Commission found that the DISTCOs have complied with the above provisions of the OGC, and thus the original requirement of the case have been complied with.

Further, in the earlier hearing dt.06.02.2007, the DISTCOs were directed to comply to certain additional items. The licensees have complied to them as below:

Order to CESU (Case No.4/05) -

Sl. No.	Order	Compliance till date	Remarks
1.	To submit the time-line for each and every maintenance activity by 15.4.07	CESU has submitted the maintenance schedule of primary S/Ss for 2007-08 vide affidavit dt.23.4.07.	Complied.
2.	To submit the implementation schedule of SCADA in the form of bar chart within 7 days.	CESU has submitted vide its ltr. dt.11.4.07 that they have taken up with M/s NDPL for implementation of SCADA. They want to include 19 S/Ss at Bhubaneswar, 16 at Cuttack and 6 in close periphery. To start with 7 S/Ss in Bhubaneswar shall be taken up. For this, they have prepared a time-line for survey, preparation of project report, offer submission, acceptance of offer, procurement of materials and execution of work including trial run. They want the work to be completed by 31.3.08.	Complied.

Order to NESCO (Case No.5/05) -

Sl. No.	Order	Compliance till date	Remarks
1.	To submit the maintenance schedule for balance 10 months of 2007-08 within 7 days.	NESCO has submitted vide ltr. dt.13.4.07.	Complied.
2.	Submit manpower plan within 2 days.	Apparently not submitted as seen from the available documents in the brief file.	Complied.
3.	To submit action plan for SCADA within 31.5.07.	NESCO has submitted vide affidavit dt.31.05.07 and a later affidavit dt.21.6.07 that it has engaged Enzen for implementation of SCADA in 6 S/Ss in and around Balasore on BOOT basis. Price negotiation will be done on 27.6.07. For 5 years, Rs.5.65 crore shall be incurred. After finalization	Complied.

		with Enzen on 27.6.07, detail action plan shall be submitted to the Commission. It is also getting offer from other companies for implementation of SCADA.	
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Order to WESCO (Case No.6/05) -

Sl. No.	Order	Compliance till date	Remarks
1.	Progress achieved in manpower deployment shall be intimated during the next date of hearing.		
2.	To submit its action plan for implementation of SCADA within 31.5.07.	WESCO has submitted vide affidavit dt.29.05.07 that it has engaged Enzen for implementation of SCADA in 10 S/Ss in Rourkela and Sambalpur on BOOT basis. It will take around 10 months to implement. It is also getting offer from other companies for implementation of SCADA.	Complied.

Order to SOUTHCO (Case No.7/05) -

Sl. No.	Order	Compliance till date	Remarks
1.	Progress achieved in manpower deployment shall be intimated during the next date of hearing.		
2.	To submit its action plan for implementation of SCADA within 31.5.07.	SOUTHCO vide its affidavit dt.25.05.2007 has submitted that it has obtained Expression of Interest from 13 firms. Work order to be given by 15.07.07. SOUTHCO has installed necessary circuit breakers for implementation of SCADA. 61 nos. of SCADA enabling C.Bs. under APDRP are to be procured.	Complied.

In the course of hearing on 30.06.2007, the following things emerged:

CESU (Case No.4/2005):

CESU has completed time-line for each and every maintenance activity. The Commission wanted to know whether CESU is sticking to its maintenance programme and whether CESU is analyzing the interruption reports. To a Commission's query, COO submitted that the Manuals are available in the field. The Commission observed that from the interim enquiry report submitted by the Enquiry Team headed by Sri K.P. Rath, we note that D.C. supply system, circuit breakers and other equipments are not working properly. The Commission felt that the maintenance manuals are not followed properly for which interruption level is quite high. occurring. The Commission also felt that though CESU has prepared the Maintenance Schedule, its observance is not being monitored. The Commission wanted that COO should review each and every maintenance activity and analyse the interruption taking place.

Regarding manpower planning, the matter has been discussed in the Management Board and appropriate action shall be taken by CESU for recruitment of staffs.

As regards SCADA, CESU shall have discussion with NDPL on 07.07.2007. Thereafter, the final picture shall emerge.

NESCO (Case No.5/2005):

The matter regarding SCADA was discussed with M/s ENZEN on 29.0-6.2007 for price negotiation. They are expected to confirm the negotiated price later. They shall take about 6 months to complete the project. ENZEN shall supply manpower and equipment for the purpose. They shall maintain the system for 5 years and are required to replace any damaged equipment with new one. For this, Rs.5.65 crores shall be required for 5 years, which shall be taken up on BOOT basis. ENZEN has been request to give break up of Rs.5.65 crores. Commercial negotiation shall be completed within 15 days and fresh order shall

be signed within 20 days. NESCO requested the Commission for Escrow relaxation to meet this additional expenditure.

As regards maintenance activity, NESCO has reportedly departed from its maintenance schedule for February and March, 2007. The Commission wanted to know whether NESCO has reviewed the maintenance activity as also the above departure from the schedule. CEO, NESCO should have analyzed and review the interruption of 11 KV and 33 KV feeders for 01.04.2007 to 30.06.2007 compared to the corresponding period of last year. CEO, NESCO said that AGM, HT (M) monitors the maintenance activity and affirmed that there has been improvement in the quality of supply. The failure rate of distribution power transformers have gone down. There have been induction of 6 nos. of 5 MVA power transformers, 1 no. of 8 MVA power transformer, 51 nos. of 11 KV VCBs and 15 nos. of 33 KV VCBs in last six months. 20 more 11 KV VCBs are being procured. The Commission wanted that the improvement in interruption should have been reviewed by the CEO and substantiated.

As regards manpower planing, NESCO has issued advertisement for induction of ITI, IT, Computer Asst., Finance and Management Trainees. 57 nos. of ITI people have to be inducted against the retiring people. The Commission felt that the GETs should be inducted regularly and gradually, so that the posts are filled up and discontentment arrested. CEO, NESCO said that the Board of Directors has been appraised of the manpower requirement. The Commission directed that proper HRD policy should be in place, which may be reviewed by the Commission at a later date.

WESCO (Case No.6/2005):

In the matter of SCADA, WESCO said that M/s ENZEN has quoted Rs.1.65 lakhs per S/S. WESCO has asked them to reduce the price to which they have promised to confirm within 7 days. M/s Chemtrols Network Management System, Kolkata has also approached for the project. The order shall be placed within 2 months as the Board is to be appraised and 9 more months shall be needed for completion. The data acquisition part shall be

completed first and the control part shall take 2 more years. At this point, the Commission desired that the control part of SCADA is as important as data acquisition and SCADA system should be in place in all four DISTCOs.

As regards interruption, the CEO, WESCO has directed his S.Es. to review interruption in their area. Besides S.E., HT(M) is monitoring the maintenance activity. The Commission noted that the system should be such that suitable outage planning can be implemented only with implementation of planning code laid down by OERC. Similar should be the case with circuits. The Commission also felt that the 33 KV feeder from Grid S/S should never trip if 33/11 KV circuit breaker and lightning arrestors are in place in the distribution network.

As regards manpower requirement, CEO has given presentation to the Management Board. 54 nos. of ITI people have been inducted against the equal number of staff who are retiring by September'07. The advertisement has also come for induction of Management Trainee, Computer Asst., ITI etc. Minimum 800 to 1000 lineman/helper are required to be inducted. There are 4500 lineman/helper in WESCO including 600 ITIs.

SOUTHCO (Case No.7/2005):

In the matter of SCADA, 66 nos. of VCBs under APDRP have been procured. 45 nos. of VCBs have been released for SCADA in Berhampur town and surrounding 11 no. of S/Ss. The quotation has been obtained for Rs.6 to 7 lakhs per S/S for data acquisition in 11 nos. of 11 KV S/Ss. SANDS Company whose RMU system cost is very less is also being examined by SOUTHCO. Some more time is required for negotiation.

As regards maintenance activity, 8 no. of breakers have been released in Malkanagiri area, 4 no. in Nawarangpur and 40 in Berhampur. There are 123 nos. of 33/11 KV S/Ss in SOUTHCO. Around 170 more no. of breaker are required. The commission found that nobody at Headquarter is examining the interruption report and the corresponding requirement submitted by field offices which shall have to be complied.

As regards manpower planning, SOUTHCO has regularized 28 out of 330 ITI trainees. It has also regularized 140 nos. of GETs out of 169 nos.

OPTCL, the respondent said that DISTCOs are submitting their demand estimation and outage planning to SLDC regularly.

The Commission orders that since the original requirement of the cases have been fulfilled by the licensees, the proceeding under Sec.142 of the Act stands closed. However, the Commission shall review other items like interruption, maintenance activity and implementation of SCADA in due course.

S. K. Jena
Member

B. K. Das
Chairperson