

Record note of the Review Meeting on Performance of OPTCL for the FY 2016-17 and 2017-18 (April'17 to Spet.'17)

Date of Review : 21.12.2017 at 11: 00 AM
Period of Review : FY 2016-17 and FY 2017-18 (upto Sept 2017)
Representative of OPTCL Present : As per list enclosed as Annexure-I.

1. The Performance of OPTCL for the period from FY 2016-17 and FY 2017-18 (upto Sept 2017) was reviewed by the Commission on 21.12.2017 in OERC. During the review the status of ongoing/new projects under implementation, projects completed, major R&M activities and steps taken by HRD & IT wing as well as financial performance of OPTCL were discussed. During the presentation by the licensee, it was observed that 22 nos. of projects have been completed during the FY 2016-17 & FY 2017-18 (till 30.11.17) and some projects has been delayed primarily due to contractual & RoW problems and court cases.
2. The Commission reviewed the performance of OPTCL with reference to execution of various ongoing transmission projects. It was found that OPTCL has added around 470 MVA transformation capacity in the system through 14 nos. of S/S with an investment of Rs.43.08 Crores. Out of 14 S/S augmented, 8 nos. (Khurda, Nayagarh, Paradeep, Chandaka, Choudwar, Kesura, Nimapada and Ranasinghpur) are in CESU, 4 nos. (Jajpur Road, Balasore, New Duburi and Bhadrak) in NESCO Utility, 1 no. (Sunabeda) in SOUTHCO Utility and 1 no. (Sundargarh) are in WESCO Utility area. The performance parameters as submitted by OPTCL are given below.

	As on 01.04.2016	Addition during April, 2016 to March,2017	As on 31.03.2017	Addition during April to Nov.'17	As on 30.11.17
Transformation Capacity (MVA)	15142	1392.50	16534.50	461.5	16996
EHT Line ckt. KM	12818.831	252.632	13071.463	288.473	13359.936
No. of grid S/S	125	7	132	3	135

Energy handled during FY 2016-17

OERC Approval : 24900 MU
Actual : 24112 MU

Human Resource Position (As on 31.3.17)

Sanctioned strength : 5147
Men in position : 3086
Vacancy : 2061

The Commission in its order in Case No.5/2016 had approved the capital investment plan on the basis of 31,931 MU to be handled. OPTCL should therefore, handle more energy. Otherwise, the capital investment plan in the coming years may be suitably modified.

3. OPTCL submitted the status of 55 nos. of ongoing projects, which includes 2 nos. of 400 kV S/S, 14 nos. of 220 kV S/S, 23 nos. of 132 KV S/S and 16 nos. of other projects (mainly transmission lines). Total 17 nos. of 220 kV and 132 kV projects are expected to be completed within the FY 2017-18. The progresses of the projects are delayed due to ROW, court cases, delay in land acquisition and contractual problems.
4. OPTCL has proposed to execute 25 nos. of projects with an estimated cost of Rs.1988.53 crore in future years. Out of those 25 nos. of projects, tender evaluation completed for 5 nos. of projects, tenders floated for 9 nos. of projects and 11 nos. of other projects are under process for finalization of land and other formalities. OPTCL is also planning to construct one 220 KV S/S near Nuapada to meet the exponential rise of demand due to large scale energisation of Mega L.I. Points in that area. CMD, OPTCL further said that the expenditure during 2018-19 will be less since many projects have not been awarded during 2017-18 due to GST issues.
5. As regards to O&M activity, OPTCL said that many overloaded grid S/Ss has been upgraded and renovated during the period under review. Specifically, augmentation of 14 nos. of grid S/S (8 in CESU, 4 in NESCO Utility, 1 in SOUTHCO Utility, 1 in WESCO Utility) has already been completed with an investment of Rs.43.08 Cr with 470 MVA capacity addition. Up-gradation of another 27 nos. of grid S/S with 1492.5 MVA capacity addition [10 nos.(216.5 MVA) in CESU, 5 nos.(695 MVA) in NESCO Utility, 5 nos.(252.5 MVA) in SOUTHCO Utility and 7 nos.(328.5 MVA) in WESCO Utility] has been programmed by OPTCL, to be executed during 2017-18 with an investment of Rs.137.98 Cr.
6. In addition to the above, OPTCL has maintained 220 MVA spare transformer bank to meet emergency with an investment of Rs.40.45 Cr. OPTCL has taken up the work for uprating of ACSR conductor to HTLS in 132 kV Joda-Barabil and Mendhasal-Khurda lines with an investment of Rs.10.95 Cr. OPTCL is also in the process of converting 5 nos. of 132 kV S/C line to D/C line with an investment of Rs.25.84 Cr.
7. As a part of R&M activity, in addition to other works, OPTCL has replaced/repared 11 nos. of 400 kV breakers, 35 nos. of 220 kV breakers, 85 nos. 132 kV breakers, 156 nos. 33 kV breakers in place of old/ defective circuit breakers and replaced 125 nos. 220 kV, 500 nos. 132 kV and 195 nos. 33 kV CTs with new ones. OPTCL has replaced 50 nos. of 220 kV, 80 nos. of 132 KV and 165 nos. of 33 kV Lightning Arrestors and installed 215 nos. of numerical relays in place of electro-mechanical relays. OPTCL has procured 3 nos. of multifunction test kit (Meramundali, Mendhasal, New Duburi) for comprehensive testing of transformer, PT, CT, CVT, determination of characteristics of overhead lines. OPTCL is also in the process of procuring 3 nos. of off line fault locators for Chandaka, Budhipadar and Therubali. .

8. As regards expansion of unified load despatch and communication (ULDC) project, OPTCL have already integrated 30 nos. of substations with its system. Installation and commissioning of equipments related to SCADA/EMS Package for control centre at SLDC, Bhubaneswar & back-up control centre at Meramundali has been completed. Some minor works pending due to non-availability of line shutdown will be completed by December, 2017.
9. The status of projects as submitted by OPTCL during the review on 21.12.2017 are mentioned below:

Sl.No.	Items	Details of Projects	Cost (Rs.in Cr.)	
1	Projects completed	Sub-station - 16 Nos.	675.70	
		Lines (5 Nos.) + others (1 No.)	95.94	
2	Capacity Augmentation of S/S completed	14 Nos. of S/S (471.5 MVA addition)	43.08	
3	Ongoing Projects	400 KV S/S - 2 Nos	2013.12	
		220 KV S/S - 14 Nos		
		132 KV S/S - 23 Nos.		
		Others - 16 Nos.		
4	Future Projects	Tenders under Evaluation - 5 Nos.	1988.53	
		Tenders floated - 9 Nos.		
		Tenders to be floated - 11 Nos.		
O & M ACTIVITIES				
5	Augmentation of S/S capacity (Completed during April'16 to Nov.'17)	8 S/S in CESU - 184 MVA	20.97	
		4 S/S in NESCO Utility - 270 MVA	18.15	
		1 S/S in SOUTHCO Utility - 7.5 MVA	1.52	
		1 S/S in WESCO Utility - 20 MVA	2.44	
			Total	43.08
	Augmentation of S/S capacity (planned for 2017-18)	10 no of Grid s/s in CESU – 216.5 MVA	25.41	
		5 no of Grid s/s in NESCO Utility – 695.5 MVA	55.57	
		5 S/S in SOUTHCO Utility – 252.5 MVA	21.86	
7 S/S in WESCO Utility – 328.5 MVA		35.14		
		Total	137.98	
6	Spare Transformers	Balasore, New Bolangir, Khurda, Jajpur Road, Narendrapur, Sambalpur, Chandpur, Jayanagar	40.45	
7	Uprating from ACSR to HTLS (work stopped due to non-supply of H/W fittings by the Supplier)	Joda-Barbil	4.38	
		Mendhasal-Khurda	6.57	
		Total	10.95	
8	Conversion from S/C to D/C line (work in progress)	Jajpur Road-Anandpur	3.70	
		New Bolangir-Patnagarh	4.64	
		Bolangir-Sonepur	6.27	
		Akchasingh-Paralakhemundi	6.93	
		Paradeep-Jagatsinghpur	4.30	
		Total	25.84	
9	ULDC Expansion Project	Integration of 30 nos of S/S (Expected completion in all respect – 31.12.2017)	36	
10	SCADA Expected D.O.C. December, 2017	Provision of SCADA interface point at all 220 KV s/s (Expenditure till No.'17 – Rs.45.12 Cr.)	67.54	
		Provision of SCADA at vital 132 S/S by laying OPGW cable (Expected completion – December, 2018)	48	
		Provision of digital protection coupler in all 220 KV lines through SDH equipments (Expected completion – March, 2018)	2.09	

10. Director (HRD) submitted that OPTCL has implemented the revised organization restructure and regular recruitments are being conducted through a transparent process of computer based test followed by interview/skill test etc. The actual men in position has gone down by 120 executives. The Commission suggested for manpower induction @3% each year to avoid unnecessary promotional issues in future. OPTCL should send its executive/non-executives to capacity building training programmes conducted by different training organizations to bring in efficiency in the system. While making recruitments, the actual business volume of the organisation should be taken into consideration by OPTCL.
11. While discussing about the progress of individual projects, CMD, OPTCL said that GIS substation like the one commissioned at Chandaka will be constructed at Mancheswar and Unit-8 area in Bhubaneswar. The GIS/ S/S are operating efficiently and utilizing around 30 persons less as compared with conventional type S/S.
12. As submitted, OPTCL has handled 24111.80 MU of energy as against OERC approval of 24900 MU during the year FY 2016-17. During the period, OPTCL earned revenue of Rs.602.80 crore as against OERC approval of Rs.622.50 crore. CMD, OPTCL pointed out that, there was a revenue shortfall of Rs.19.71 crore because of less transmission of power of 788.20 MU during the period. The detailed comparative statement are presented in table below:

OERC Approval Vis-à-vis Actual (Prov.) FY 2016-17

Sl. No.	Particulars	Tariff Approval		Actual (Prov)		Variance	
		MU	Rs.Cr.	MU	Rs.Cr.	MU	Rs.Cr.
1	2	3	4	5	6	7=5-3	8=6-4
A	Sales to DISCOMs						
	CESU	8,570.00		8,132.63	203.32	-437.37	
	NESCO	5,450.00		5,328.79	133.22	-121.21	
	WESCO	7,050.00		6,758.22	168.96	-291.78	
	SOUTHCO	3,470.00		3,293.08	82.33	-176.92	
	Less energy handled in DISCOMs network	150.00					
	Sub-total	24,390.00	609.75	23,512.72	587.82	-877.28	-21.93
B	Wheeling to NALCO& IMFA	500.00	12.50	598.33	14.96	98.33	2.46
C	Sale to CPP by GRIDCO	10.00	0.25	0.75	0.02	-9.25	-0.23
D	Total (A+B+C)	24,900.00	622.50	24,111.80	602.80	-788.20	-19.71

OERC approval vis-à-vis actual (Prov.) FY 2017-18

Sl.	Particulars	Tariff Approval			Actual (Prov. upto Sept,17)		Variance	
No		MU	Prorated for Six Months (MU)	Rs.Cr.	MU	Rs.Cr.	MU	Rs.Cr.
1	2	3		4	5	6	7=5-3	8=6-4
A	Sales to DISCOMs							
	CESU	8,850.00	4,425.00		4,644.51	116.15	219.51	
	NESCO	5,680.00	2,840.00		2,810.69	70.81	-29.31	
	WESCO	7,090.00	3,545.00		3,562.23	88.87	17.23	
	SOUTHCO	3,520.00	1,760.00		1,789.07	44.77	29.07	
	Less energy handled in DISCOMs network	150.00	75.00					
	Sub-total	24,990.00	12,495.00	312.38	12,806.50	320.61	236.50	8.24
B	Wheeling to NALCO& IMFA	550.00	275.00	6.88	293.70	7.34	18.70	0.47
C	Sale to CPP by GRIDCO	5.00	2.50	0.06	5.62	0.14	3.12	0.08
D	Total (A+B+C)	25,545.00	12,772.50	319.31	13,105.82	328.10	258.32	8.78

13. OPTCL reported cash inflow of Rs.1285.74 crore and a cash outflow of Rs.1356.96 crore during the FY 2016-17. The above includes cash inflow towards capital receipts as well as cash outflow towards repayments loans and capital works. Breakup of the above amount is given below:-

Particulars	Revenue	Capital	Total
FY 2016-17			
Receipts (Cr.)	670.15	615.59	1285.74
Expenditure(Cr.)	580.73	776.23	1356.96
FY 2017-18 up Sept,2017			
Receipts (Cr.)	341.94	305.27	647.21
Expenditure(Cr.)	253.46	262.66	516.12

14. OPTCL stated that it has spent excess amounts of Rs.21.76 crore towards R&M expenses over and above OERC approval in the ARR for the period FY 2016-17. It has reported that an amount of Rs.132.35 crore had been spent as against OERC approval of Rs.110.59 crore for FY 2016-17. The Commission desired that repair and maintenance should be given top priority and money allowed should be fully and effectively utilized and so also the project construction activities should be regularly monitored for their timely completion so that escalation of cost is avoided.

15. Regarding the status of accounts, OPTCL stated that the annual accounts for FY 2016-17 statutory audit, supplementary audit and adoption of accounts in AGM shall be completed by 31.01.2018, 28.02.2018 and 31.03.2018 respectively.
16. During the discussion, Chairperson, OERC wanted to know the progress of projects executed by OPTCL under ODSSP and its 33 kV connectivity. CMD, OPTCL said that except very few most of the 33/11 kV S/S are on the existing 33 kV line with LILO arrangement. However, OPTCL is now working on the direct connectivity of those 33/11 KV S/S to the OPTCL Grid S/S. Chairperson, OERC requested CMD, OPTCL to present the progress of ODSSP along with other projects executed by OPTCL under different Govt. Schemes during the 3rd week of January, 2018. A date convenient to the Commission for such presentation shall be intimated later. OPTCL in consultation with DISCOMs may identify the requirement of additional 33 kV or 11 kV feeders or re-conductoring of existing feeder (if any) for an efficient distribution system. While doing so, the projects in pipe-line under different Govt. schemes should be taken into account, so that no investment will remain idle due to constraints in incoming or outgoing feeders and simultaneously over-reinforcement of the system would be avoided. Further, OPTCL should furnish the status of progress of projects funded under JICA.
17. The presentation should focus on future infrastructural needs in the state power sector specifically in the field of metering, AB cabling, construction of new feeders or uprating of existing feeders. The additional infrastructures should be SCADA operated and smart enough to meet the growing expectations of the consumers. Chairperson, OERC suggested that a suitable consultant could be engaged to prepare a Master Plan for implementation of Smart Grid in Distribution System along with the smart metering. The master plan may be implemented in phases considering CESU and NESCO in the first phase.
18. OPTCL should have proper monitoring and execution mechanism along with the proper procedure for compensation to the affected person due to erection of transmission projects to avoid inordinate delay. Projects should be completed within the time schedule to avoid time and cost overrun.



Representative of OPTCL

1. Sri Hemant Sharma, CMD, GRIDCO & OPTCL
2. Sri U.K. Samal, Director (Operation)
3. Sri R.R. Panda, Director (Projects)
4. Sri R.K. Senapati, Director (HRD)
5. Sri N.C. Swain, CGM (Construction)
6. Sri B.K. Sahu, CGM (O&M)
7. Sri H.K. Samantray, CGM (Tel)/IT
8. Sri N.R. Pradhan, Sr. GM
9. Sri C.R. Mishra, AGM
10. Sri S.K. Das, AGM
11. Sri S.K. Behera, Manager
12. Sri M.K. Das, Manager (F)
13. Sri B.P. Mishra, CGM (RT&C)
14. Sri S.K. Puri, Sr. GM (RT&C)
15. Sri Biplab Kumar Behera, AGM