

**ODISHA POWER TRANSMISSION CORPORATION LIMITED**

\_\_\_\_\_ ODISHA \_\_\_\_\_ Province  
Note

Reference to P.W.D. Code

**DIVISION: - O/o CGM Telecom , OPTCL, BBSR**

Chapter VII, Part 7

**STATION: - O/o CGM Telecom , OPTCL, BBSR**

**NAME OF WORK:- Procurement and Installation of  
48F OPGW in 400KV Meramundali-Mendhasal DC  
line**

**FUND: - OPTCL OWN FUND**

**DEPARTMENTAL HEAD: - CGM Telecom**

**SERVICE HEAD :- Capital Work**

**MAIN HEAD OF CLASSIFICATION:-**

**SUB HEAD OF CLASSIFICATION:-**

**ARM OF THE SERVICE: - Telecommunication**

**ESTIMATE NO - 07 of 2024-25**

**AMOUNT- Rs. 3,86,21,648/-**

**SANCTIONED**  
Rs. 3,86,21,648/-  
Rupees Three Crore  
Eighty Six Lakh Twenty  
one thousand six  
hundred forty eight only

*Sanjay Kumar*  
22/1/25  
**Senior General Manager**  
O/o CGM, Telecom, OPTCL  
Bhubaneswar

**(Rupees Three Crore Eighty Six Lakh Twenty One Thousand Six Hundred Forty  
Eight only) incl. GST.**

Estimate of original works (showing Ref Specification Detail and Abstract)

*[Signature]*  
22/1/25  
**DGM Finance**  
O/o. CGM Telecom OPTCL  
Bhubaneswar



Estimate framed by Akshaya Kumar Prusty, Asst. General Manager (TC), O/o CGM, Telecom. for the proposed expenses of: **Procurement and Installation of 48F OPGW in 400KV Meramundali-Mendhasal DC line**

### **REFERENCES -REPORT-SPECIFICATION REFERENCES**

The General Manager (TC), Telecom Circle, Meramundali has requested the urgent installation and commissioning of OPGW on the 400KV Meramundali - Mendhasal DC Line, citing frequent interruptions in data transmission due to the aging and deteriorated condition of the existing 24F OPGW line. The line, which spans 105 KM, is facing increased maintenance costs and outages, adversely affecting the operations of lessees and internal communication requirements.

Upon analyzing the situation, it was instructed to install 48 fibers by replacing the existing earth wire, ensuring reliable and efficient communication while enhancing revenue generation from fiber leasing.

Accordingly an estimate, amounting **Rs. 3,86,21,648/- (Rupees Three Crore Eighty Six Lakh Twenty One Thousand Six Hundred Forty Eight only) incl. GST.** has been framed to meet the probable expenditure towards **Procurement and Installation of 48F OPGW in 400KV Meramundali-Mendhasal DC line.** The estimate has been prepared taking reference from work order no. **Sr.GM-CPC-e-Tender-Telecom-OPGW-54/2023/247(11), dated: 14.03.2024** issued by CGM(CPC), OPTCL, Bhubaneswar.

This estimate may please be sanctioned early.

**Asst. General Manager(TC)  
O/o, CGM(Telecom)  
OPTCL, BBSR.**



**ESTIMATE:****Supply**

S/N	Item Description	Quantity	Unit taxable value at destination	Rate of GST	Unit Landing Cost (Incl. GST)(Rs)	Total Landing cost(Incl. GST)(Rs)
1	48F DWSM OPGW	105 KM	2,15,500.00	18%	254290.00	2,67,00,450.00

**Installation through Rate Contract**

S/N	Item Description	Quantity	Total Landing cost(Incl. GST)(Rs)
1	Stringing of OPGW with supply of required H/W	105 KM	1,19,21,198.00

Total Estimate (Supply + Installation) = Rs. 3,86,21,648.00

  
22/01/25  
DGM Finance  
O/o. CGM Telecom OPTCL  
Bhubaneswar

  
22/1/25  
Senior General Manager  
O/o CGM, Telecom, OPTCL  
Bhubaneswar

  
AGM (Telecom)  
ULDC Project, OPTCL  
Bhubaneswar



**Estimate for commissioning of OPGW(48F) stringing work in 400KV Mendhasal-Meramundali DC line through rate contract**

SL No.	Description	Unit	Qty.	Rate/unit in Rupees.	Amount in Rupees
1	OPGW Team Mobilization	Team	3	24,250.00	72,750.00
2	OPGW(48F) stringing with supply of required hardware fittings (tension assembly set, suspension assembly set, vibration damper set, etc.) <b>(Under Live-line condition)</b>	Km	105	80,000.00	84,00,000.00
3	Fixing of joint closure on the tower with supply of joint closure and down lead clamps	Per work	36	24,250.00	8,73,000.00
4	OPGW Splicing & Testing per fiber	Nos.	1824	315.00	5,74,560.00
5	Laying of 48F approach cable with supply of approach cable, HDPE Pipes and Coupler in exsting cable trench/ open space.	Mtr	1200	152.00	1,82,400.00
				Sub-Total	1,01,02,710.00
	<b>GST 18% of Total Amount</b>				1818487.8
	<b>TOTAL</b>				1,19,21,197.80
	<b>Rounded up to</b>				<b>1,19,21,198</b>
	<b>(Rupees One Crore Nineteen Lakh Twenty One Thousand One Hundred Ninety Eight) only</b>				

*Souravanta Ran*  
22/11/25  
Senior General Manager  
O/o CGM, Telecom, OPTCL  
Bhubaneswar

*[Signature]*  
22/11/25  
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*[Signature]*  
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