ODISHA POWER TRANSMISSION CORPORATION LIMITED

_____ODISHA_____

_Province

Note

Reference to P.W.D. Code

Chapter VII, Part 7

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

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

NAME OF WORK: - Supply, installation and commissioning of DTPC in 220 KV and above lines.

SANCTIONED
Rs 19, 62, 58, 780/-.....
(Rupees Nineteen Crore....
Sixty Two Lakh Fifty Eight
Thousand seven hundred Eight only

FUND: - OPTCL OWN FUND

DEPARTMENTAL HEAD: - CGM Telecom

SERVICE HEAD: - Capital Works.

MAIN HEAD OF CLASSIFICATION:-

SUB HEAD OF CLASSIFICATION:-

Senior General Manager
O/o CGM, Telecom, OPTCL
Bhubaneswar
6.6.2026

ARM OF THE SERVICE: - Telecommunication

ESTIMATE NO - 05 of 2026-27

AMOUNT- Rs. 19, 62, 58,780/-

(Rupees Nineteen Crore sixty two Lakh Fifty Eight Thousand Seven Hundred Eighty Only) including GST.

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

O.S.E.B-144A
(First Sheet)

6.6.26

Estimate framed by Amita Rani Biswal, Assistant Manager (Telecom), O/o CGM, Telecom for supply, installation and commissioning of DTPC in 220 KV and above lines.

REFERENCES -REPORT-SPECIFICATION

This is regarding Implementation of Digital Tele-Protection Coupler (DTPC) for 220kV & above EHV transmission lines utilizing existing SDH/OPGW network As per ERPC guidelines, tele-protection is mandatory for all EHV transmission lines of 220kV and above. Till now, carrier-aided protection schemes using PLCC have been adopted in OPTCL. However, with rapid advancement in communication technology, PLCC-based modules have become obsolete and cannot provide the desired level of service reliability.

Hence, an estimate for supply, installation & commissioning of DTPC in balance 220kV and above lines has been framed based on budgetary offer received from M/s Commtel. The estimate covers supply, installation & commissioning of 260 nos. of Digital Tele Protection Coupler (DTPC) of Rs.19,62,58,780.00 (Rupees Nineteen Crore Sixty Two Lakh Fifty Eight Thousand Seven Hundred Eighty) only.

Submitted for kind consideration and approval please.

6/6/26

Assistant Manager (Telecom),
O/o CGM (Telecom),
OPTCL, BBSR

Estimate for supply, installation & commissioning of DTPC in 220KV and above lines					
Supply					
Sl. No.	**Telecom equipment**	**Unit**	**Qty**	**Unit Price INR**	**Total price INR**
	Supply				
1	Digital Tele Protection Coupler(DTPC) suitable for 4 commands with 2 nos of E1 connectivity	No	260	478000	₹ 12,42,80,000
2	Cabinet suitable for housing 2 Nos of DTPC	No	58	98000	₹ 56,84,000
3	Cabinet suitable for housing 4 Nos of DTPC	No	44	112000	₹ 49,28,000
4	1.5 sq mm 10 Core multi strand control cable	Km	15.6	380000	₹ 59,28,000
5	Integration with existing Fiber Optic System at local Sub-Station, in consultation with the OEM, whose equipment is installed at local end for carrier aided protection purpose with supply of all installation material as required.	LS	260	60000	₹ 1,56,00,000
6	**Total Price (Supply)**				₹ 15,64,20,000
	Service				
7	Freight & Transportation charges @5% of Supply				₹ 78,21,000
8	Erection, testing & commissioning charges	No	260	8000	₹ 20,80,000
9	**Total price (Service)**				₹ 99,01,000
10	**Total Price(Supply+Service)**				₹ 16,63,21,000
11	**GST @18% on Sl. No. 10**				₹ 2,99,37,780
12	**Grand total including GST**				**₹ 19,62,58,780**
	(Rupees Nineteen Crore Sixty Two Lakh Fifty Eight Thousand Seven Hundred Eighty) only				

Note: Estimate has been framed based on budgetary offer received from M/s Commtel on dt. 03.01.2025

Biswal 6/6/26

Asst. Manager (Telecom)
O/o CGM, Telecom, OPTCL
Bhubaneswar

6.6.26

DGM Finance
O/o. CGM Telecom OPTCL
Bhubaneswar

Nayak 6.6.26

Chief General Manager
Telecommunication
OPTCL, Bhubaneswar