

ଓଡ଼ିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି.ଓ. ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

Office of the CGM(O&M), Bhubaneswar, OPTCL

Regd.Office: Janpath: Bhubaneswar-751022.

Telephone: (0674)-2542479 (EPABX), Website: www.optcl.co.in

CIN:U4102OR2004SGC007553, email id: cgm.onm@optcl.co.in

No. TW-CGM(O&M)-25/2026/ 442⁽⁹⁾

Dt. 10 / 03 / 2026

ORDER OF ADMINISTRATIVE APPROVAL

Administrative Approval is hereby accorded to the proposal “Dismantling of ACSR Panther Conductor and stringing of AAAC HTLS Conductor (ACSR Panther Equivalent) in 132kV Burla PH-Katapali Ckt-I & II, under EHT(O&M) Division, Burla” amounting to Rs.13,89,87,839.00 (Rupees Thirteen Crore Eighty Nine Lakh Eighty Seven Thousand Eight Hundred Thirty Nine) only including GST.

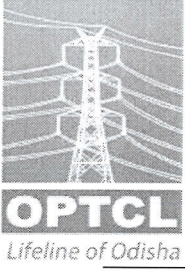
The expenditure for the above work may be incurred under the head of Accounts “Capital Work” after observing all departmental formalities subject to allotment of funds for the purpose and limiting to the budgetary provision for the year 2025-26. The previous Administrative Approval order may be treated as cancelled.

A.A No. 179/25-26

[Signature]
10/03/26
Chief General Manager(O&M)
OPTCL, Bhubaneswar

CC:

1. Director(Operation), OPTCL for favour of kind information.
2. Sr. General Manager(Elect.), Western (O&M) Zone for information and necessary action.
3. General Manager (El), EHT (O & M) Circle, Burla for information and necessary action.
4. DGM (El), EHT (O&M) Division, Burla for information and necessary action.
5. CGM (Finance) Cum CFO, OPTCL, BBSR for information and necessary action.
6. Sr.GM (Finance), Budget & Cost, OPTCL, BBSR for information and necessary action.



ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି.ଓ. ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

Office of the CGM(O&M), Bhubaneswar, OPTCL

Regd.Office: Janpath: Bhubaneswar-751022.

Telephone: (0674)-2542479 (EPABX), Website: www.optcl.co.in

CIN:U4102OR2004SGC007553, email id: cgm.onm@optcl.co.in

No. TW-CGM(O&M)-25/2026/ 443 ^(C7)

Dt. 10 / 3 / 2026

ORDER OF TECHNICAL SANCTION

Technical Sanction is hereby accorded to the proposal “Dismantling of ACSR Panther Conductor and stringing of AAAC HTLS Conductor (ACSR Panther Equivalent) in 132kV Burla PH-Katapali Ckt-I & II, under EHT(O&M) Division, Burla” amounting to Rs.13,89,87,839.00 (Rupees Thirteen Crore Eighty Nine Lakh Eighty Seven Thousand Eight Hundred Thirty Nine) only including GST.

The expenditure for the above work may be incurred under the Head of Account “Capital Work” with adherence to departmental formalities, subject to allotment of funds for the purpose and limiting to the budgetary provision for the year 2025-26. The previous Technical Sanction order may be treated as cancelled.

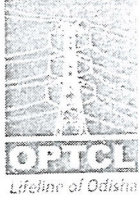
Encl:- Sanctioned Estimate

T.S No. 179/25-26

[Signature]
10/03/26
Chief General Manager(O&M)
OPTCL, Bhubaneswar

CC:

1. Director(Operation), OPTCL for favour of kind information.
2. Sr. General Manager(Elect.), Western (O&M) Zone for information and necessary action.
3. General Manager (El), EHT (O & M) Circle, Burla for information and necessary action.
4. DGM (El), EHT (O&M) Division, Burla for information and necessary action.
5. CGM (Finance) Cum CFO, OPTCL, BBSR for information and necessary action.
6. Sr.GM (Finance), Budget & Cost, OPTCL, BBSR for information and necessary action.
7. AGM(Finance), Banking Section for information and necessary action.



ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି.ଡି.
ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECT.)
E.H.T (O&M) DIVISION, BURLA

PO: Burla, Dist: Sambalpur-768017
Telephone: (0663), 2430447, E-mail: ehtm.div.brl@optcl.co.in

Letter No. EHTD/ 670

Date: 02.12.2025

To

The General Manager (El.),
E.H.T. (O&M) Circle, Burla.

Sub: Submission of estimate for "Dismantling of ACSR panther conductor and stringing of AAAC HTLS Conductor (equivalent to ACSR Panther) in 132KV BPH-Katapali CKT-I & II lines under EHT (O&M) Division, Burla".

Ref: 1.Lr no WZ-JSG-MNTL-11/2022/2345(7) on dtd.27.11.2025 Sr.GM (El.), Western Zone, Burla.
2. Your office lr no EHTC/Conductor replacement/1908 on dtd.28.11.2025.
3.Order No.Sr. G.M.-CPC-Tender (enlistment)-Works rate contract-10/ 2025/ 1294(36) dtd 14.11.2025 of Sr.GM (CPC) OPTCL.

Sir,

With reference to the above cited subject and as per your instruction vide letter under ref (2), the estimate has been prepared as per the latest rate contract and cost data price of OPTCL for the above said work. The details of the 132KV EHT lines are given below.

1. 132KV BurlaPH-Katapali CKT-I line from loc no 1 to loc no 09 including LILO-1 to LILO-36.
2. 132 KV BurlaPH-Katapali CKT-II line from Loc no -1A to Loc no-20A including LILO-1 to LILO-09.

The revised estimate amounting to Rs 14,90,87,690.00 /- (Rupees Fourteen crore ninety lakhs eighty seven thousand six hundred ninety/-) only is enclosed herewith for favour your kind information and necessary action.

Sl. No.	Name of the Estimate	Estimated Amount
1	Estimate for "Dismantling of ACSR panther conductor and stringing of AAAC HTLS Conductor (equivalent to ACSR Panther) in 132KV BPH-Katapali CKT-I & II lines under EHT (O&M) Division, Burla".	Rs 14,90,87,690.00 Rs. 13,89,87,839.00

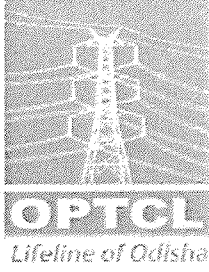
Yours faithfully

Dy. General Manager (El.),
E.H.T (O&M) Divn, Burla

Encl:- As above.

C.C. to:-

- 1) Sr.GM (El.), Western Zone, Burla / Chief General Manager (F) C.F., OPTCL, Bhubaneswar for favour of kind information.
- 2) SDO(El.), Grid Sub-Station, Sambalpur/T -20 (B)/ Estimate Guard file for information.



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିମିଟେଡ୍.

ODISHA POWER TRANSMISSION CORPORATION LIMITED

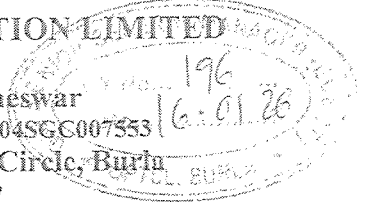
(A Government of Odisha Undertaking)

Regd. Office: Tech Tower, Janpath: Bhubaneswar

CORPORATE IDENTITY NUMBER (CIN) U40102OR2004SGC007553

O/O the - General Manager (Elect.) EHT (O&M) Circle, Burla

Po/Ps-Burla, Dist- Sambalpur-768017



Letter No. EHTC/ WK-233/ 96⁽³⁾

Date: 12.01.2026

To,

✓ The Sr. General Manager (El.),
Western (O&M) Zone, OPTCL, Burla.

Sub: Submission of estimate for "Dismantling of ACSR Panther conductor and stringing of AAAC HTLS conductor (equivalent to ACSR Panther) in 132KV Burla P.H-Katapali Ckt-I & II under EHT (O&M) Division, Burla".

Ref.:

- 1) Your good office letter No. WZ-JSG-MNTL-11/2022/2345(7) Dt.27.11.2025.
- 2) Letter No. 670 dt.02.12.2025 of DGM, EHT (O&M) Division, OPTCL, Burla.

Sir,

Please refer to the above. As per discussion held in the VC meeting on Dt.19.11.2025 chaired by Director (Operation) OPTCL, Bhubaneswar, it has been decided for conductor upgradation of 132KV Burla P.H-Katapali Ckt-I & II from ACSR Panther to HTLS conductor by OPTCL. Also as per your good office instruction vide letter under reference-(1), D.G.M (El.), E.H.T (O&M) Division, Burla has submitted estimate for dismantling of ACSR Panther conductor and stringing of AAAC HTLS conductor (equivalent to ACSR Panther) in 132KV Burla P.H-Katapali Ckt-I & II amounting to Rs. 14,90,87,690.00. The details of lines are given below.

- 1) 132KV Burla P.H-Katapali Ckt-I from Loc. No. 1 to Loc. No. 09 including LILO-1 to LILO-36.
- 2) 132KV Burla P.H-Katapali Ckt-II from Loc. No. 1A to Loc. No. 20A including LILO-1 to LILO-09.

The estimate is enclosed herewith for your kind information and necessary action.

Yours faithfully,

[Signature]

General Manager (Elect.)
E.H.T. (O&M) Circle, Burla.

Encl: As above.

C.C. :

- 1) C.G.M (O&M) OPTCL, Bhubaneswar for kind information.
- 2) D.G.M (Elect.), E.H.T (O&M) Division, Burla for information.

Rubina
16/01

ODISHA POWER TRANSMISSION CORPORATION LTD.

NOTES _____ ODISHA _____ PROVINCE

Reference to P.W.D. Code

DIVISION- E.H.T. (O & M) DIVISION, BURLA.
Chapter VII, Parts 7

STATION- 132/33KV T/L S/S S/D Samablipur.

NAME OF WORK- "Dismantling of ACSR panther conductor and stringing of AAAC HTLS Conductor (equivalent to ACSR Panther) in 132KV BPH-Katapali CKT-I & II lines under EHT (O&M) Division, Burla".

1. 132KV BurlaPH-Katapali CKT-I line from loc no 1 to loc no 09 including LILO-1 to LILO-36.
2. 132 KV BurlaPH-Katapali CKT-II line from Loc no -1A to Loc no-20A including LILO-1 to LILO-09.

FUND - O.P.T.C.L.

DEPARTMENTAL HEAD - CAPITAL WORK

RECOMMENDED

Sr. General Manager (Elect.)
Western (O&M) Zone
OPTCL, Burla

SERVICE HEAD- 14.22
74.540 group

MAIN HEAD OF CLASSIFICATION-

SUB-HEAD OF CLASSIFICATION-

SANCTIONED
For Rs. 13,89,87,839.00 (Rupees
Thirteen Crore Eighty Nine
Lakh Eighty Seven Thousand
Eight Hundred Thirty Nine) only.

Chief General Manager (O&M),
OPTCL, Bhubaneswar.

Countersigned

General Manager (Elect.)
E.H.T. (O & M) Circle
OPTCL, Burla

AIM OF THE SERVICE- Strengthening of the transmission line for better and uninterrupted power supply.

ESTIMATE NO.-

AMOUNT - Rs. 13,89,87,839.00/-
14,90,87,690/-

Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

Estimate of original works (Showing Report
Specification, Detail and Abstract)

Assistant Manager (Elect.)
Western (O&M) Zone, Burla

Manager (Fin)
Western Zone, OPTCL, Burla

Estimate framed by: Sri Samai Majhi, D.G.M (El.), E.H.T. (O&M) Divn. Burla.
Of the expense of: - "Dismantling of ACSR panther conductor and stringing of AAAC HTLS Conductor (equivalent to ACSR Panther) in 132KV BPH-Katapali CKT-I & II lines under EHT (O&M) Division, Burla".

REFERENCES – REPORT - SPECIFICATION

REFERENCES

The revised estimate amounting to Rs 13,89,87,839.00/- (Rupees Thirteen crore eighty nine lakhs eight thousand six hundred ninety) only has been framed to meet the probable expenditure to be incurred towards "Dismantling of ACSR panther conductor and stringing of AAAC HTLS Conductor (equivalent to ACSR Panther) in 132KV BPH-Katapali CKT-I & II lines under EHT (O&M) Division, Burla".

Previously, estimate of 06 nos of 132 EHT lines had been submitted to GM (El.), EHT (O&M), Circle, Burla vide Ir no.364 on dtd.14.07.2025 as per preceding rate contract and cost data price of OPTCL. In the meantime the rate contract price has been changed during the F.Y.2025-26. Therefore, Sr.GM (El.), Western Zone, Burla has instructed vide Ir no WZ-JSG-MNTL-11/2022/2345(7) on dtd.27.11.2025 for submit the estimate as per the latest rate contract price of OPTCL. The same was conveyed by GM (El.), EHT (O&M), Circle, Burla vide Ir no EHTC/Conductor replacement/1908 on dtd.28.11.2025 for resubmit the estimate for the above said work. Further, it is proposed for augmentation of the 132KV BPH-Katapali CKT- I & II lines to HTLS during a discussion held by Director (Operation) on Dtd.19.11.2025. Hence, estimate of 02 nos of lines have been prepared as per the latest price of Rate contract and cost data. The details of the 132KV EHT lines are given below.

1. 132KV BurlaPH-Katapali CKT-I line from loc no 1 to loc no 09 including LILO-1 to LILO-36.
2. 132 KV BurlaPH-Katapali CKT-II line from Loc no -1A to Loc no-20A including LILO-1 to LILO-09.

Now, the revised estimate has been framed based on the amendment of Rate contract no. Sr. G.M.-CPC-Tender (enlistment)-Works rate contract-10/ 2025/ 1294(36) dtd 14.11.2025 of Sr.GM (CPC) OPTCL and cost data of 2024-25 along with market price.

. The expenditure to be incurred will be booked under the Head Capital work to TL & SS S/D of Sambalpur/ Rairakhol, for the F.Y 2025-26.


Dy. General Manager (El.),
E.H.T (O&M) Divn., Burla.

ODISHA POWER TRANSMISSION CORPORATION LIMITED

NAME OF THE WORK:- "DISMANTLING OF ACSR PANTHER CONDUCTOR AND STRINGING OF ACCC HTLS CONDUCTOR (EQUIVALENT TO ACSR PANTHER) IN 132KV BURLA PH-KATAPALI CKT I & II LINES" UNDER EHT(O&M),DIV, BURLA.

Sl. No	Description	Amount in Rs.
1	Cost of materials	1,15,06,476.52 <u>12,04,20,731.63</u>
2	Stock, Storage & insurance @3% of Sl. No. 1	33,45,194.30 <u>36,12,621.95</u>
3	Sub-total (1+2)	11,48,51,670.82 <u>12,40,33,353.58</u>
4	Contingency @3% on Sl. No. 3	37,45,550.12 <u>37,21,000.61</u>
5	T & P Cost @2% on Sl. No. 3	22,97,033.42 <u>24,80,667.07</u>
6	Transportation @ 5% on Sl. No. 3	57,42,583.54 <u>62,01,667.68</u>
7	Total Cost of Material (3-6)	12,63,36,839.90 <u>13,64,36,688.94</u>
8	Total Erection Charges (Civil and Electrical)	1,26,51,001.39
9	Sub-total (7+8)	13,89,87,839.29 <u>14,90,87,690.33</u>
10	Or say, Total cost of work =	13,89,87,839.00 <u>14,90,87,690.00</u>

(Rupees fourteen Crore ninety lakhs eighty seven thousand six hundred ninety only.

Thirteen Eighty Nine

Eight Thirty Nine

Rita Bhoi
Manager (Elect.)
E.H.T (O&M)
Circle, Burla

S. K. Das
Estimator
E.H.T (O & M) Division, Burla

Q. Anshu
Deputy General Manager
E.H.T (O&M) Div., OPTCL, Burla

G. Anurag
Asst. Manager (Finance)
E.H.T. (O & M) Circle, OPTCL, Burla

P. K. Das
General Manager (El.)
OPTCL EHT (O&M) Circle, Burla

A. Parag
Assistant Manager (Fin.)
Western (O&M) Zone, Burla

R. K. Das
Assistant Manager (Elect.)
Western (O&M) Zone, Burla

S. K. Das
Manager (Fin)
Western Zone, OPTCL, Burla

ESTIMATED PRICE FOR SUPPLY OF MATERIALS FOR DISMANTLING OF AACR/ACSR CONDUCTOR AND STRINGING OF HTLS CONDUCTOR IN 132KV BURLA PH-KATAPALLI CKT I & II LINES" UNDER EHT(O&M), DIV, BURLA.

Sl.No.	ITEM DESCRIPTION	UOM	QTY	SPARE QTY REQUIRED	QTY	SPARE QTY REQUIRED	TOTAL QTY INCLUDING SPARES	UNIT PRICE (TAXABLE VALUE AT DESTINATION) INR.	UNIT PRICE CONSIDERING 5% HIKE PER YEAR(INR.) from FY:2024-25 to FY:2025-26	CGST @ 9% per UNIT	OGST @ 9% per UNIT	TOTAL PRICE PER UNIT IN THE F.Y. 2025-26(In Rs.)	TOTAL AMOUNT INCLUDING GST(INR)	Reference
1	HTLS (High Temperature Low Sag) Conductor of ACSR Panther Equivalent with Carbon Composite Core		3	4	5		6	7	8	9	10	11	12	13
1.1	For 132KV Burla ph Katapalli ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36) Route KM 48.995 KM (48.995 KM + 1.50 (for stringing and wastage in cut pieces) (Spare LKM for use in emergency use) - 4 CKT II	Km	33.48	1	20.8	1	56.279	12,03,096.00		1,08,278.64	1,08,278.64	14,19,653.28	7,98,96,666.95	Cost data 2024-25 CPC
2	Single Suspension Fittings suitable for ACCC HTLS Conductor													
2.1	For 132KV Burla ph Katapalli ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36) - 4 CKT II	Nos.	45	12	27	3	87	8,597.00	9,026.85	812.42	812.42	10,651.68	9,26,696.42	
3	Single Tension fittings suitable for ACCC HTLS Conductor													
3.1	For 132KV Burla ph Katapalli ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36) - 4 CKT II	Nos.	132	15	81	8	236	43,419.00	45,589.95	4,103.10	4,103.10	53,796.14	1,26,95,889.28	SGM-CPC-e-Tender Choudwar-Bidanshi HTLS-28/2024/1352, Date:31.12.2024
4	Vibration Damper Suitable for ACCC HTLS Conductor													
4.1	For 132KV Burla ph Katapalli ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36) - 4 CKT II	Nos.	276	10	192	10	488	2,482.00	2,606.10	234.55	234.55	3,075.20	15,00,696.62	
5	Repair sleeve suitable for ACCC HTLS Conductor													
5.1	For 132KV Burla ph Katapalli ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36) - 4 CKT II	Nos.	20	0	10	0	30	2,785.00	2,924.25	263.18	263.18	3,450.62	1,03,518.45	
6	Compression Die suitable for ACCC HTLS Conductor	Nos.	2	0	2	0	4	33,022.00	34,673.10	3,120.58	3,120.58	40,914.26	1,63,657.03	

Manager (Elect.)
 E.H.T (O&M)
 Circle, Burla
Estimator
 F H T (O & M) Division, Burla
Deputy General Manager
 E.H.T (O&M) Dwn., OPTCL, Burla
Asst Manager (Finance)
 E.H.T (O & M) Circle, OPTCL, Burla
General Manager (El.)
 OPTCL EHT (O&M) Circle, Burla

ESTIMATED PRICE FOR ERECTION OF MATERIALS FOR DISMANTLING OF AACR/ACSR CONDUCTOR AND STRINGING OF HTLS CONDUCTOR IN 132KV BURLA PH-KATAPALI CKT I & II LINES UNDER EHT(O&M) DIV, BURLA.

Sl No	Item Description	UOM	132KV BURLA PH-KATAPALI CKT I	132KV BPH-KATAPALI CKT II	Qty	Unit Price(INR)	UNIT PRICE CONSIDERING 5% INR PER VIA(HTLS) from FY-2024-25 to FY-2025-26	CGST @ 9% per UNIT	OGST @ 9% per UNIT	TOTAL PRICE PER UNIT IN THE F.Y. 2025-26(In Rs.)	TOTAL AMOUNT INCLUDING GST(INR)	Reference
1	1	2	3	4	5	6	7	8	9	10	11	
1	Dismantling, delivery and stacking of string conductor without Earthwire and with hardware fittings at nearest OPTCL Store and handing over the same as per the instruction of Engineer-in-Charge as a percentage of stringing charges.											R.C. Annex-1 (10.1.III(a)(x))
1.1	ACSR Panther conductor from Burla PH gantly Katapali GSS Gently from loc no 01 to loc no 09 including LHO-1 to LHO-36 of 132KV Burla PH-Katapali CKT-I 4 CKT-I	Route KM	10.995	6.831	17.826	42806.01		3.852.54	3.852.54	50,511.09	9,00,410.72	
2	Erection of Panther conductor equivalent HTLS Conductor with hardware & accessories without Earthwire (Considering 5% increase in cost of erection every year from 2024-25 upto 2025-26)											SGM-CPC-e Tender-Choudhary-Bidanshi-HTLS-28/2024/ 1352
2.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LHO-1 to LHO-36 4 CKT-I	Route KM	10.995	6.831	17.826	5,32,028.00	5,58,629.40	50,276.65	50,276.65	6,59,182.69	1,17,50,590.67	
3	Total Erection including GST										1,26,51,001.39	

Pika Bhoi

Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Estimator
E H T (O & M) Division, Burla

Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

Asst. Manager (Finance)
E.H.T (O & M) Circle, OPTCL, Burla

General Manager (E.I.)
OPTCL EHT (O&M) Circle, Burla

Assistant Manager (Fin.)
Western (O&M) Zone, Burla

ODISHA POWER TRANSMISSION CORPORATION LIMITED

SUMMARY

NAME OF WORK: "DISMANTLING OF ACSR PANTHER CONDUCTOR AND STRINGING OF ACCC HTLS CONDUCTOR (EQUIVALENT TO ACSR PANTHER) IN 132KV BURLA PH-KATAPALI CKT I FROM LOC NO 01 TO LOC NO 09 INCLUDING LILO-1 TO LILO-36 " UNDER EHT(O&M),DIV, BURLA.

Sl. No	Description	Amount in Rs.
1	Cost of materials	7,37,65,212.07
2	Stock, Storage & insurance @3% of Sl. No. 1	22,12,956.36
3	Sub-total (1+2)	7,59,78,168.43
4	Contingency @3% on Sl. No. 3	22,79,345.05
5	T & P Cost @2% on Sl. No. 3	15,19,563.37
6	Transportation @ 5% on Sl. No. 3	37,98,908.42
7	Total Cost of Material (3-6)	8,35,75,985.27
8	Total Erection Charges (Civil and Electrical)	78,03,083.15
9	Sub-total (7+8)	9,13,79,068.43
10	Or say, Total cost of work =	9,13,79,068.00
(Rupees <u>Nine</u> Crore <u>Thirteen</u> lakhs seventy nine thousand <u>sixty eight</u> only.		

Eight Fifty Five

six hundred eleven

Rita Bhoi
Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Falgun
Estimator
EHT (O & M) Division, Burla

02/12/25
Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

09/01/2026
Asst. Manager (Finance)
E.H.T. (O & M) Circle, OPTCL, Burla

12/01/26
General Manager (E.H.)
OPTCL EHT (O&M) Circle, Burla

19.01.2026
Assistant Manager (Elect.)
Western (O&M) Zone, Burla

21/01/26
Assistant Manager (Fin.)
Western (O&M) Zone, Burla

21/1/26
Manager (Fin)
Western Zone, OPTCL, Burla

ESTIMATED PRICE FOR ERECTION OF MATERIALS FOR DISMANTLING OF AAAC/ACSR CONDUCTOR AND STRINGING OF HTLS CONDUCTOR IN 132KV BURLA PH-KATAPALI CKT I FROM LOC NO 01 TO LOC NO 09 INCLUDING LILO-1 TO LILO-36 " UNDER EHT(O&M), DIV, BURLA.										
Sl No	Item Description	UOM	Qty	Unit Price (INR)	UNIT PRICE CONSIDERING 5% Hike per year (INR) from FY 2024-25 to FY 2025-26	CGST @ 9% per unit	OGST @ 9% per unit	TOTAL PRICE PER UNIT IN THE F.Y. 2025-26 (in Rs.)	TOTAL AMOUNT INCLUDING GST (INR)	Reference
1	2	3	4	5	6	7	8	9	10	11
1	Dismantling, delivery and stacking of strung conductor without Earthwire and with hardware fittings at nearest OPTCL Store and handing over the same as per the instruction of Engineer-in-Charge as a percentage of stringing charges.									
1.1	ACSR Panther conductor (from Burla PH gentry Katapali GSS Gentry from loc no 01 to loc no 09 including LILO-1 to LILO-36) of 132KV Burla PH-Katapali CKT-I	Route KM	10.995	42,806.01		3,852.54	3,852.54	50,511.09	5,55,369.45	R.C. Annex-I (10.1.H(a)(ix))
2	Erection of Panther conductor equivalent HTLS Conductor with hardware & accessories without Earthwire (Considering 5% increase in cost of erection every year from 2024-25 upto 2025-26)									SGM-CPC-e-Tender-Choudwar-Bidanasi-HTLS-28/2024/1352
2.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36	Route KM	10.995	5,32,028.00	5,58,629.40	50,276.65	50,276.65	6,59,182.69	72,47,713.70	
3	Total Erection including GST								78,03,083.15	

20/12/25

Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

21/12/25

Estimator
E.H.T (O & M) Division, Burla

21/12/26

Assistant Manager (Fin.)
Western (O&M) Zone, Burla

21/12/26

General Manager (E&T)
OPTCL EHT (O&M) Circle, Burla

21/12/25

Manager (Elect.)
E.H.T (O&M)
Circle, Burla

21/12/26

Asst. Manager (Finance)
E.H.T (O & M) Circle, OPTCL, Burla

ESTIMATED PRICE FOR SUPPLY OF MATERIALS FOR DISMANTLING OF AAAC/ACSR CONDUCTOR AND STRINGING OF HTLS CONDUCTOR IN 132KV BURLA PH-KATAPALI CKT I FROM LOC NO 01 TO LOC NO 09 INCLUDING LILO-1 TO LILO-36 " UNDER EHT(O&M),DIV, BURLA.

Sl.No.	ITEM DESCRIPTION	UOM	QTY	Spare Qty Required	Total Qty including spares	Unit Price (Taxable Value) INR.	Unit Price considering 5% HIKE PER YEAR (INR.) from FY:2024-25 to FY:2025-26	CGST @ 9% per UNIT	OGST @ 9% per UNIT	Total Price per UNIT in the F.Y. 2025-26 (in Rs.)	Total Amount including GST (INR)	Reference
1	2	3	4	5	6	7	8	9	10	11	12	13
1	HTLS (High Temperature Low Sag) Conductor of ACSR Panther Equivalent-with Carbon Composite Core											
1.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36") Route KM 10.995 KM (10.995 KM + 1.5% for lumping and wastage in cut pieces)) (Spare 1KM for use in emergency use)	Km	33.48	1	34.479	12,03,096.00		1,08,278.64	1,08,278.64	14,19,653.28	4,89,48,225.44	Cost data 2024-25 CPC
2	Single Suspension Fittings suitable for ACCC HTLS Conductor											
2.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36]	Nos.	45	12	57	8,597.00	9,026.85	812.42	812.42	10,651.68	6,07,145.93	
3	Single Tension fittings suitable for ACCC HTLS Conductor											SGM-CPC-e Tender Choudwar.
3.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36]	Nos.	132	15	147	43,419.00	45,589.95	4,103.10	4,103.10	53,796.14	79,08,032.73	Bidansat-HTLS-28/2024/1352, Date:31.12.2024
4	Vibration Damper Suitable for ACCC HTLS Conductor											
4.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36]	Nos.	276	10	286	2,482.00	2,606.10	234.55	234.55	3,075.20	8,79,506.63	
5	Repair sleeve suitable for ACCC HTLS Conductor											
5.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36]	Nos.	20	0	20	2,785.00	2,924.25	263.18	263.18	3,450.62	69,012.30	
6	Compression Die suitable for ACCC HTLS Conductor											
6	Compression Die suitable for ACCC HTLS Conductor	Nos.	2	0	2	33,022.00	34,673.10	3,120.58	3,120.58	40,914.26	81,828.52	
7	Pilot Insulator String (Suspension Set) suitable for ACCC HTLS Conductor											
7.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILO-1 to LILO-36]	Nos.	8	0	8	8,168.00	8,576.40	771.88	771.88	10,120.15	80,961.22	
8	Double Suspension Hardware fittings (Suspension Set) suitable for ACCC HTLS Conductor											

5

8.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	9	2	11	15,242.00	16,004.10	1,440.37	1,440.37	18,884.84	2,07,733.22	SGM-CPC-e-Tender Choudwar- Bidanasi-HTLS- 28/2024/1352, Date:31.12.2024
9	Double Suspension H/W fittings with D-Shackle, Ball Link, Ball socket, Arching Rod, suitable for ACCC HTLS Conductor											
9.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	9	2	11	15,242.00	16,004.10	1,440.37	1,440.37	18,884.84	2,07,733.22	
10	Double Tension Hardware fittings (Dead End Set) suitable for ACCC HTLS Conductor											
10.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	36	4	40	50,126.00	52,632.30	4,736.91	4,736.91	62,106.11	24,84,244.56	
11	Double Tension Hardware fittings with D-shackle/ Ball link, Ball socket, Arching Rod but excluding dead end tension clamps] suitable for ACCC HTLS Conductor											
11.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	36	4	40	50,126.00	52,632.30	4,736.91	4,736.91	62,106.11	24,84,244.56	
12	Mid-span joints suitable for ACCC HTLS Conductor											
12.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	30	0	30	45,648.00	47,930.40	4,313.74	4,313.74	56,557.87	16,96,736.16	
13	T-Clamp(HTLS run-Moose Drop) suitable for ACCC HTLS Conductor											
13.1	For 132KV Burla ph-Katapali ckt I from loc no 01 to loc no 09 including LILLO-1 to LILLO-36]	Nos.	18	2	20	10,147.00	10,654.35	958.89	958.89	12,572.13	2,51,442.66	
14	132 KV Long Rod 120 KN Porcelain Insulator	Nos.	204	20	224	21,511.00	22,546.55	2,032.79	2,032.79	26,652.13	59,70,076.90	
15	132 KV Long Rod 90 KN Porcelain Insulator	Nos.	71	7	78	19,539.00	20,545.95	1,846.44	1,846.44	24,208.82	18,88,288.09	
16	Grand Total(SUPPLY)					6,620.13		595.82	595.82	7811.81	7,37,65,212.07	

6,85,84,755.32

Rita Bhoi
Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Raj
2.12.24

Estimator
E.H.T (O & M) Division, Burla

Qant
02/12/25

Deputy General Manager
E.H.T (O&M) Dwn., OPTCL, Burla

Pragya
29/11/24
Asst. Manager (Finance)
E.H.T. (O & M) Circle, OPTCL, Burla

Raj
12/01/26
General Manager (E.)
OPTCL EHT (O&M) Circle, Burla

Name Of The Line with Voltage Level:	132 KV BURLA PH- KATAPALI-I
TOTAL NO OF LOCATION :	45 NOS
NORMAL TOWER :	18 NOS
ANGEL TOWER :	27 NOS
LINE LENGTH :	10.995 KM

TOWER SCHEDULE

Name Of The Line with Voltage Level:										132 KV BURLA PH-KATAPALI S/C LINE FROM LOC NO -1 to 9 and from LILO-1 to LILO-36	
Conductor Type:										ACSR Panther	
Sl No	Tower Location No	Type of Tower	S/T	S/S	D/T	D/S	VD	pilot	Span Length in Mtr.	Stretch Length in Mtr.	Details of Stretch (Agril Land/Forest/Road/Canal/ Water body etc)
1	BURLA GANTRY		3				3				
									25		POWER CHANNEL ROAD
2	1	DT + 9	3		3		6		474.57	25	POWER CHANNEL
3	2	A + 6				3	6				
									341	815.57	MAHANADI ISLAND
4	3	B	3		3		6				
									344	344	MAHANADI ISLAND
5	4	C	6				6				
									243		MAHANADI ISLAND
6	5	A		3			6				
									280.42		MAHANADI ISLAND
7	6	A		3			6				
									220.42		MAHANADI ISLAND
8	7	A		3			6				
									270.42		MAHANADI ISLAND
9	8	A		3			6				
									280.42	1294.68	MAHANADI ISLAND
10	9	A				3	6				
									45.4	45.4	CANAL AND ROAD
11	LILO 1	DD			6		6				
									18	18	MAHANADI ISLAND
12	LILO2	DD	6				6				
									62	62	MAHANADI ISLAND
13	LILO 3	DD	6				6	1			
									280	280	MAHANADI ISLAND
14	LILO 4	DA + 3		3			6				
									232	232	MAHANADI ISLAND
15	LILO 5	DD	6				6	1			
									240	240	MAHANADI ISLAND
16	LILO 6	DD + 18	6				6				
									512	512	BARREN LAND
17	LILO 7	DD + 18	6				6				
									306	306	AGRICULTURAL LAND
18	LILO 8	DD	3		3		6				
									170	170	CANAL AND ROAD
19	LILO 9	DB + 6	3		3		6				

Gp

									220		AGRICULTURAL LAND
20	LILO 10	DA + 3				3	6				
									260		BARREN LAND
21	LILO 11	DA + 0		3			6				
									230		TOWNSHIP
22	LILO 12	DA + 3		3			6				
									210		VILLAGE
23	LILO 13	DA + 0		3			6				
									280	1200	VILLAGE
24	LILO 14	DC + 6	3		3		6	1			
									314	314	TOWNSHIP
25	LILO 15	DD + 12			6		6				
									104	104	TOWNSHIP
26	LILO 16	DD + 12	3		3		6	1			
									330		TOWNSHIP
27	LILO 17	DA+0		3			6	1			
									266	596	TOWNSHIP
28	LILO 18	DB+0	6				6				
									330		AGRICULTURAL LAND
29	LILO 19	DA + 3		3			6				
									310		BARREN LAND
30	LILO 20	DA+0		3			6				
									318		AGRICULTURAL LAND
31	LILO 21	DA+0		3			6				
									232		BARREN LAND
32	LILO 22	DA + 3		3			6				
									284	1474	BARREN LAND
33	LILO 23	DC+0	6				6				
									296	296	BARREN LAND
34	LILO 24	DC+0	6				6				
									286		AGRICULTURAL LAND
35	LILO 25	DA + 9		3			6				
									268	554	AGRICULTURAL LAND
36	LILO 26	DC+0	6				6	1			
									252		AGRICULTURAL LAND
37	LILO 27	DA+0		3			6				
									208	460	BARREN LAND
38	LILO 28	DD+0	6				6	1			
									270	270	BARREN LAND
39	LILO 29	DD+12	3		3		6				
									92	92	BARREN LAND AND 132KV LINE CROSSING
40	LILO 30	DD + 12	3		3		6				
									295	295	BARREN LAND
41	LILO 31	DD + 3	6				6	1			
									280	280	BARREN LAND
42	LILO 32	DD + 3	6				6				
									285	285	AGRICULTURAL LAND
43	LILO 33	DB + 0	6				6				
									166	166	VILLAGE
44	LILO 34	DC+0	6				6				
									172	172	VILLAGE
45	LILO 35	DD+0	6				6				

4

								32	32	VILLAGE
46	LILO 36	DD+0	6				6			
								60	60	VILLAGE
47	KATAPALI GANTRY		3				3			
	H/W	132	45	36	9	276	8	10994.65	10994.65	
	90KN Insulator		45		18	71 71		32983.95	33478.71	
	120KN Insulator	132		72	204			32984	33479	


 2/12/25
 Estimator
 EHT (O & M) Division, Burla


 02/12/25
 Deputy General Manager
 E.H.T (O&M) Divn., OPTCL, Burla

CK-11

ODISHA POWER TRANSMISSION CORPORATION LIMITED

NAME OF THE WORK:- "DISMANTLING OF ACSR PANTHER CONDUCTOR AND STRINGING OF ACCC HTLS CONDUCTOR (EQUIVALENT TO ACSR PANTHER) IN 132KV BURLA PH-KATAPALI CKT II FROM LOC NO 01A TO LOC NO 20A INCLUDING LILO-1 TO LILO-09 " UNDER EHT(O&M),DIV, BURLA.

Sl. No	Description	Amount in Rs.
1	Cost of materials	4,29,21,721.20 (4,66,55,519.56)
2	Stock, Storage & insurance @3% of Sl. No. 1	12,87,651.64 (13,99,665.59)
3	Sub-total (1+2)	4,42,09,372.84 (4,80,55,185.15)
4	Contingency @3% on Sl. No. 3	13,26,281.19 (14,41,655.55)
5	T & P Cost @2% on Sl. No. 3	8,84,187.46 (9,61,103.70)
6	Transportation @ 5% on Sl. No. 3	22,10,468.64 (24,02,759.26)
7	Total Cost of Material (3-6)	4,86,30,310.12 (5,28,60,703.66)
8	Total Erection Charges (Civil and Electrical)	48,47,918.24
9	Sub-total (7+8)	5,34,78,228.36 (5,77,08,621.90)
10	Or say, Total cost of work =	5,34,78,228.00 (5,77,08,622.00)
(Rupees Five Crore <u>seventy seven</u> lakhs <u>eight</u> thousand <u>six</u> hundred <u>twenty two</u> only.		

Thirty four Seventy eight Two eight

Rita Bhoi

Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Estimator
F H T (O & M) Division, Burla

Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

Asst. Manager (Finance)
E.H.T. (O & M) Circle, OPTCL, Burla

General Manager (Elt.)
OPTCL EHT (O&M) Circle, Burla

Assistant Manager (Elect.)
Western (O&M) Zone, Burla

Assistant Manager (Fin.)
Western (O&M) Zone, Burla

Manager (Fin)
Western Zone, OPTCL, Burla

ESTIMATED PRICE FOR ERECTION OF MATERIALS FOR DISMANTLING OF AAAC/ACSR CONDUCTOR AND STRINGING OF HTLS CONDUCTOR IN 132KV BURLA PH-KATAPALI CKT II FROM LOC NO 01A TO LOC NO 20A INCLUDING LILO-1 TO LILO-09 " UNDER EHT(O&M), DIV, BURLA.										
Sl No	Item Description	UOM	Qty	Unit Price(INR)	UNIT PRICE CONSIDERING 5% HIKE PER YEAR (INR) FROM FY:2024-25 to FY:2025-26	CGST @ 9% per UNIT	OGST @ 9% per UNIT	TOTAL PRICE PER UNIT IN THE F.Y. 2025-26 (IN Rs.)	TOTAL AMOUNT INCLUDING GST(INR)	Reference
1	2	3	4	5	6	7	8	9	10	11
1	Dismantling, delivery and stacking of strung conductor without Earthwire and with hardware fittings at nearest OPTCL Store and handing over the same as per the instruction of Engineer-in-Charge as a percentage of stringing charges									
1.1	ACSR Panther conductor (from Burla PH gantry Katapali GSS Gentry from loc no 01A to loc no 20A including LILO-1 to LILO-09) of 132KV Burla PH-Katapali CKT-II	Route KM	6.831	42,806.01		3,852.54	3,852.54	50,511.09	3,45,041.27	R.C Anx-I. (10.1.III(a)(x))
2	Erection of Panther conductor equivalent HTLS Conductor with hardware & accessories without Earthwire (Considering 5% increase in cost of erection every year from 2024-25 upto 2025-26)									SGM-CPC-e-Tender-Choudwar-Bidanasi-HTLS-28/2024/1352
2.1	For 132KV Burla ph-Katapali ckt II from loc no 01A to loc no 20A including LILO-1 to LILO-09]	Route KM	6.831	5,32,028.00	5,58,629.40	50,276.65	50,276.65	6,59,182.69	45,02,876.97	
3	Total Erection including GST								48,47,918.24	

Rita Bhoi
Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Estimator
E H T (O & M) Division, Burla

Deputy General Manager
E.H.T (O&M) Div., OPTCL, Burla

Asst. Manager (Finance)
E.H.T (O & M) Circle, OPTCL, Burla

General Manager (E.H.)
OPTCL EHT (O&M) Circle, Burla

1	2	3	4	5	6	7	8	9	10	11	12	13
1	HTLS (High Temperature Low Sag) Conductor of ACSR Panther Equivalent-with Carbon Composite Core											
9.1	For 132KV Buria ph-Katapah ckt I from loc no 01 to loc no 09 including LLO-1 to LLO-36]	Nos.	21	2	23	15,242.00	16,004.10	1,440.37	1,440.37	10,884.84	4,34,351.27	
10	Double Tension Hardware fittings (Dead End Set) suitable for ACCC HTLS Conductor											
10.1	For 132KV Buria ph-Katapah CKT II from loc no 01A to loc no 20A including LLO-1 to LLO-09]	Nos.	15	2	17	50,126.00	52,632.30	4,736.91	4,736.91	62,106.11	10,55,803.94	
11	Double Tension Hardware fittings with D-shackle/ Ball link, Ball socket, Arching Rod but excluding dead end tension clamp) suitable for ACCC HTLS Conductor											
11.1	For 132KV Buria ph-Katapah CKT II from loc no 01A to loc no 20A including LLO-1 to LLO-09]	Nos.	15	2	17	50,126.00	52,632.30	4,736.91	4,736.91	62,106.11	10,55,803.94	
12	Mid-span joints suitable for ACCC HTLS Conductor											
12.1	For 132KV Buria ph-Katapah CKT II from loc no 01A to loc no 20A including LLO-1 to LLO-09]	Nos.	20	0	20	45,648.00	47,930.40	4,313.74	4,313.74	56,557.87	11,31,157.44	
13	T-Clamp(HTLS run-Moose Drop) suitable for ACCC HTLS Conductor											
13.1	For 132KV Buria ph-Katapah CKT II from loc no 01A to loc no 20A including LLO-1 to LLO-09]	Nos.	18	2	20	10,147.00	10,654.35	958.89	958.89	12,572.13	2,51,442.66	
14	132 KV Long Rod 120 KN Porcelain Insulator	Nos.	11	12	123	78,804	22,586.55	704.35	704.35	9234.46	11,35,815.80	
15	132 KV Long Rod 90 KN Porcelain Insulator	Nos.	71	7	78	6,620.18	20,515.96	595.82	595.82	7811.81	6,04,321.37	
16	Grand Total(SUPPLY)										4,66,55,519.56	

4,29,21,721.20

Rita Bhoi

Feleky
2/12/24

Manager (Elect.)
EHT (O&M)
Circle, Buria

Asst. Manager (Finance)
EHT (O&M) Circle, OPTCL, Buria

General Manager (E.)
OPTCL EHT (O&M) Circle, Buria

SGM-CPC-e-Tender
Choudhary
Bidanasi HTLS
28/2024/1352
Date:31.12.2024

OPTCL Cost Book
SL NO. 62
OPTCL Cost Book
SL NO. 61

CALCULATION

Name Of The Line with Voltage Level:	132 KV Burla PH- Katapali CKT- II Line
TOTAL NO OF LOCATION :	31 NOS
NORMAL TOWER :	16 NOS
ANGEL TOWER :	15 NOS
LINE LENGTH :	6.831 KM

TOWER SCHEDULE

Name Of The Line with Volt										132 KV BURLA PH-KATAPALI CKT-II LINE	
Conductor Type:										ACSR Panther	
Sl No	Tower Location No	Type of Tower	S/T	S/S	D/T	D/S	VD	pilot	Span Length in Mtr.	Stretch Length in Mtr.	Details of Stretch (Agril Land/Forest/Road/Canal/Water body etc)
1	GUANTRY		3				3				
									24		BURLA PH AREA
2	1A	PC	3		3		6			24	
									102		TERRAIN
3	1	PC	3		3		6			102	
									230		HILLY SLOPE
4	2	PA				3	6				
									157		HIRAKUD DAM ROAD
5	3	PA				3	6				
									202		RESERVE FOREST
6	4	PA		3			6				
									298		RESERVE FOREST
7	5	PA		3			6				
									301		RESERVE FOREST
8	6	PA		3			6				
									305		RESERVE FOREST
9	7	PA		3			6				
									304		RESERVE FOREST
10	8	PC	3		3		6			1797	
									303		132KV LINE CROSSING
11	9	PA				3	6				
									297		TOWNSHIP
12	10	PA				3	6				
									301		220 KV LINE CROSSING
13	11	PA				3	6				
									289		AGRICULTURAL LAND
14	12	PA		3			6			286	
											AGRICULTURAL LAND
15	13	PA		3			6			291	
											AGRICULTURAL LAND
16	14	PC	6				6			1767	
									302		AGRICULTURAL LAND
17	15	PA		3			6				
									310		AGRICULTURAL LAND
18	16	PA		3			6				
									305		BURLA
19	17	PC	6				6			917	

8

								298		BURLA
20	18	PA				3	6			
								290		BURLA TOWN AND ROAD CROSSING
21	19	PA				3	6			
								285		BURLA TOWN
22	20	PA		3			6			
								20		AGRICULTURAL LAND
23	20A	PC			6		6		894	
								20	20	AGRICULTURAL LAND
24	LIL01	PC	6				6			
								20	20	AGRICULTURAL LAND
25	LIL02	PC	6				6	1		
								240	240	AGRICULTURAL LAND
26	LIL03	PB + 6	6				6			
								230	230	AGRICULTURAL LAND
27	LIL04	PC + 6	6				6	1		
								300	300	AGRICULTURAL LAND
28	LIL05	PC	6				6			
								130	130	AGRICULTURAL LAND
29	LIL06	PC	6				6			
								150	150	AGRICULTURAL LAND
30	LIL07	PC	6				6			
								150	150	TERRAIN
31	LIL08	PC	6				6			
								60	60	TERRAIN
32	LIL09	PC	6				6			
								30	30	SUBSTATION AREA
33	GANTRY		3				3			
		H/W	81	27	15	21	192	2	6831	6831
		90KN Insulator		30		42	74	71	20493	
		120KN Insulator	90		30		120	111	20800	20800

21

Rita Bhat
Manager (Elect.)
E.H.T (O&M)
Circle, Burla

Saleh
2/12/25
Estimator
E.H.T (O & M) Division, Burla

Qamb 02/12/25
Deputy General Manager
E.H.T (O&M) Divn., OPTCL, Burla

