

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN
PLOT NO. 4, OERC ROAD, SHAILASHREE VIHAR, BHUBANESWAR-751021**

**CASE NO.
FILING NO. 1**

IN THE MATTER OF: An application under condition 10 of License Conditions of Odisha Power Transmission Corporation Limited (OPTCL) approved by Odisha Electricity Regulatory Commission vide order dated 27.10.2006 passed in Case No.22 of 2006.

AND

IN THE MATTER OF: Investment proposal of OPTCL taken up from FY 2025-26 to FY 2028-29 for construction of 01 no. 400/220 along with 01 no. 220/132kV GSS (one project) and 01 no. 220/33kV GSS on availing equity/grant/loan assistance from suitable funding agency.

AND

IN THE MATTER OF: Odisha Power Transmission Corporation Ltd.
Janpath, Bhubaneswar-751 007

--- Applicant/ Petitioner

Vs.

1. The Chief Executive Officer

TP Northern Odisha Distribution Ltd.
At/PO: Januganj, Remuna Golei, Dist. Balasore-756019

2. The Principal Secretary to Government

Department of Energy, Government of Odisha,
2nd floor, Kharavel Bhawan, Gopabandhu Marg, Keshari
Nagar, Bhubaneswar-751001

--- Respondents

The above-named applicant, Odisha Power Transmission Corporation Ltd.

MOST RESPECTFULLY SHOWETH:

1. That Odisha Power Transmission Corporation Ltd. (hereinafter referred to as "OPTCL") is a deemed Transmission Licensee under fifth proviso of section 14 of the Electricity Act, 2003 (hereinafter referred to as the "Act") and as

Naga Wilson Dasik



notified by the Government of Odisha in the Transfer Scheme vide Notification No. 6892 dated 09.06.2005.

2. That Odisha Electricity Regulatory Commission (hereinafter referred to as the "Commission") vide order dated 27.10.2006 passed in Case No.22 of 2006 approved the License Conditions of OPTCL, the deemed Transmission Licensee, which came into force from 1st November 2006.
3. That in terms of licence condition 10.1 of the aforesaid licensee conditions, unless otherwise directed by the Commission, the licensee shall obtain prior approval of the Commission for making investment in the licensed business, if such investment is above the limits laid down at licence condition 23.1.

As per license condition 23.1, the Hon'ble Commission has specified the term "Major Investment" as any planned investment in or acquisition of transmission facilities, the cost of which, when aggregated with all other investments or acquisitions (if any) forming part of the same overall transaction, equals or exceeds Rs.10 Crore.

4. That as mentioned under aforesaid licence condition 7.1 and as per provisions contained in section 40 of the Electricity Act, 2003, OPTCL, as a Transmission Licensee, is duty bound to make investment to build, maintain and operate an efficient, coordinated and economical intra-state transmission system.
5. That in the above backdrop and in compliance to the requirement under licence condition 10, OPTCL is filing this investment proposal before the Hon'ble Commission for approval towards following projects on availing equity/grant/loan assistance from suitable funding agency.

6. The highlights of the proposal are given as under:

Grid Substations:

- Construction of 2X500 MVA,400/220KV AIS Sub-Station with SAS at Basudevvpur with associated 400 KV D/C LILO LINE from 400KV Kaniha-Bisra D/C line (CKT-I & II) to proposed 400/220KV GSS at Basudevvpur, 220KV LILO in D/C from TTPS-Joda line to proposed S/s at Basudevvpur, 220KV D/C line from proposed 220/132KV GIS, Barbil to proposed S/s at



Basudevpur along with construction of 220/132kV GIS S/s at Barbil, 220KV D/C line from 220/132/33KV GSS, Turumunga to proposed 400/220KV Grid S/s at Basudevpur and 132KV LILO line from one circuit of 132KV Turumunga-Dhenkikote D/C line to 132/33KV Grid S/s, Palaspanga.

- Construction of 2×40 MVA, 220/33 KV Gas Insulated Sub-station with SAS at **Bhandaripokhari** (For Textile Park), Dist-Bhadrak with associated 220 KV LILO line from existing New Duburi-Dhamara-Balasore DC line.

7. Total proposed investment of the above projects works out to Rs. 1,375:80 Cr. and the details of estimated cost, source of funding and OERC approvals in Transmission Plan are as under:

8.

SUMMARY OF INVESTMENT, COST AND SOURCE OF FUNDING

Sl. No.	NAME OF TRANSMISSION REINFORCEMENT WORKS	ESTIMATED COST (Rs. Cr.)	SOURCE OF FUNDING / SCHEME	Approved by OERC in Trans. Plan
1	2X500 MVA 400/220kV AIS at Basudevpur (Keonjhar Dist) and 220/132kV GIS at Barbil along with associated lines	1299.29	100% Grant	Case no. 08/2024
2	2X40 MVA, 220/33kV GIS Grid substation at Bhandaripokhari, Bhadrak with associated lines	76.51	OTSSP-II (30:70 equity:debt)	Case No- 08/2024
	TOTAL	1,375.80		

Proposed Basudevpur is approved in the Transmission Plan is at Remuli which is within the range of 10 Km."

- For Basudevpur project Rs. 350 Crores will be received as Grant from District Mineral Foundation (DMF) fund and the balance amount will be provided by the State Govt. as budgetary support.
- The Bhandaripokhari project is included in the Scheme "Odisha Transmission System Strengthening Programme (OTSSP) Phase-II is meant for strengthening the Intra-State Transmission Network through improved system availability & reliability as well as lesser power interruption which is approved in the EFC



meeting held on 25.01.2024, where the EFC recommended that the projects under the scheme will be executed with 30% equity support from the Government of Odisha.

7. That the information on the above proposed investment with regard to the following are filed along with this application as ANNEXURE- 1 & 2 for kind perusal and approval of the Hon'ble Commission:
- Executive Summary
 - Technical Considerations
 - Techno-Economic justification
 - Implementation
 - Prior consultation with DISCOMs
 - Environmental Considerations
 - NPV & IRR
8. That in compliance to the requirements under aforesaid license condition 10.4, the Detailed Project Report (DPRs) containing the relevant information related to the above-mentioned projects are filed along with this application.
9. That, OPTCL hereby submits the justification for creation of each of the proposed 02 nos. projects in the respective DPRs and in the information document filed along with this application.

PRAYER

The applicant, Odisha Power Transmission Corporation Ltd., Bhubaneswar most respectfully requests the Hon'ble Commission to approve the investment proposal filed herein for implementation of the projects.

Bhubaneswar

Date: 25.10.2025



By the applicant
Through

Nitesh Kumar Bhowmik

Sr.GM, RT&C

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Janpath, Bhubaneswar-751 022

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Vs.

1. **The Chief Executive Officer**
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At/PO: Januganj, Remuna Golei, Dist. Balasore-756019
2. **The Principal Secretary to Government**
Department of Energy, Government of Odisha,
2nd floor, Kharavel Bhawan,
Gopabandhu Marg, Keshari Nagar, Bhubaneswar-751001

--- Respondents

AFFIDAVIT VERIFYING THE APPLICATION

Sri Naba Kishore Barik, son of Shyam Sundar Barik, aged about 59 years, residing at Cuttack, do solemnly affirm and say as follows:

1. I am the Senior General Manager, Regulation, Tariff and Commercial, OPTCL, duly authorized by the said applicant to make this affidavit on its behalf.
2. The Statements made in Paragraphs 1 to 9 herein above are based on official information and I believe them to be true.

Bhubaneswar

DEPONENT

Date: 25 10.2025

SWORN BEFORE ME

N. Mohanty
5

Naba Kishore Barik

N. MOHANTY 25.10.2025
NOTARY
Regd. No.ON 20/94
382, Bhoi Nagar,
Bhubaneswar-751022



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1. EXECUTIVE SUMMARY

OPTCL has technically and economically justified requirements for the immediate implementation of additional system reinforcement of its transmission network to meet the system needs for the years immediately beyond 2024. The proposed projects to be implemented by OPTCL on availing loan assistance from suitable funding agency is the immediate priority and long-term system reinforcement required for the State. The proposed addition will improve the security and supply standards of the OPTCL transmission network and reduce transmission loss. The requirement for OPTCL to undertake such investment to provide an efficient, coordinated and economical system of transmission is called for in condition 7.1 of license conditions of OPTCL (effective from 1st November 2006) approved by the Hon'ble Commission vide order dated 27.10.2006 passed in Case No.22 of 2006 and as per provisions contained in section 40 of the Electricity Act, 2003. The technical, economic and environmental aspects of the investment have been considered in compliance with condition 10 for major investments of aforesaid license conditions.

The proposed investment has been taken into account as regards the fundamental requirements to:

- Ensure that the quality of supply to consumers is maintained / improved.
- Enable OPTCL to receive an economic return.

In the light of the above requirements, the proposed investment has been developed and justified based upon:

- Comparative load flow studies using application of planning criteria to meet various combinations of load and generation patterns currently available and anticipated beyond 2024.
- Comparative loss evaluation and also comparison with the capital expenditure of the scheme proposed after capitalization.

A total investment of Rs. 1,375.80 Cr. for the transmission schemes is proposed as follows:

Grid Substations:

- Construction of 2X500 MVA, 400/220KV AIS Sub-Station with SAS at Basudevpur with associated 400 KV D/C LILO LINE from 400KV Kaniha-Bisra D/C line (CKT-I & II) to proposed 400/220KV GSS at Basudevpur, 220KV LILO in D/C from TTPS-Joda line to proposed S/s at Basudevpur, 220KV D/C line from proposed 220/132KV GIS, Barbil to proposed S/s at Basudevpur along with construction of 220/132kV GIS S/s at Barbil, 220KV D/C line from 220/132/33KV GSS, Turumunga to proposed 400/220KV Grid S/s at Basudevpur and 132KV LILO line from one circuit of 132KV Turumunga-Dhenkikote D/C line to 132/33KV Grid S/s, Palaspanga.
- Construction of 2x40 MVA, 220/33 KV Gas Insulated Sub-station with SAS at Bhandaripokhari (For Textile Park), Dist-Bhadrak with associated 220 KV LILO line from existing New Duburi-Dhamara-Balasore DC line.

SUMMARY OF INVESTMENT, COST AND SOURCE OF FUNDING

Sl. No.	NAME OF TRANSMISSION REINFORCEMENT WORKS	ESTIMATED COST (Rs. Cr.)	SOURCE OF FUNDING / SCHEME	Approved by OERC in Trans. Plan
1	2X500 MVA 400/220kV AIS at Basudevpur (Keonjhar Dist), 220/132kV GIS at Barbil along with associated lines	1299.29	100% Grant	Case no. 08/2024
2	2X40 MVA, 220/33kV GIS Grid substation at Bhandaripokhari, Bhadrak with associated lines	76.51	OTSSP-II (30:70 equity:debt)	Case No-08/2024
	TOTAL	1,375.80		

2. TECHNICAL CONSIDERATIONS

2.1 Planning Criteria

Maintenance of quality power supply to consumers and reduction of technical losses are achieved by application of appropriate planning criteria.

The following criteria have been considered when investigating the proposed new sub-stations as well as transmission lines with respect to the acceptable range of

voltages permitted at different points of the system under both normal and contingency situation:

- At all loads under normal steady state operating conditions, the voltages at all points on the main nodal points of the interconnected system should be maintained within a tolerance of + 5% to -5% of the nominal voltage. At other locations and outgoing line circuits a higher voltage tolerance of +10% to -10% can be accepted.
- The loading of all elements should not exceed their rated values for steady state conditions.
- Under a single contingency outage i.e. under outage of any one of power element of the transmission system, the system voltage at any point should not fall below 90% of the nominal value without any immediate corrective action.
- After system re-adjustment, following any single element outage, without considering any load shedding at important load centers, the voltages and loading of all elements should return to normal acceptable levels.
- Under any low load or loss of load situation, the 400kV system voltage should not be allowed to exceed +5% of the nominal value, whereas the 220kV & 132kV system voltage can be permitted to rise to a maximum of +10%.

2.2 Overall conclusions of the studies performed with proposed schemes

The System Studies concluded that under the normal steady state conditions, the immediate implementation of the additional proposed sub-stations as well as transmission lines would:

- Improve the system voltage profile at all points of the transmission system.
- Reduce the loading on certain important line sections of the transmission network thereby avoiding overloading of lines or avoiding the line sections being loaded close to their respective capacities.
- Reduce the overall transmission system losses.

The single contingency outage scenario studies indicated certain line outage situations that could lead to potential problems related to overloading of remaining system lines and collapse of system voltages at locations close to the tripped line in the proposed case.

2.3 Review of scheme proposed

2.3.1 Construction of 2X500 MVA, 400/220KV AIS Sub-Station with SAS at Basudevpur with associated 400 KV D/C LILO LINE from 400KV Kaniha-Bisra D/C line (CKT-I & II) to proposed 400/220KV GSS at Basudevpur, 220KV LILO in D/C from TTPS-Joda line to proposed S/s at Basudevpur, 220KV D/C line from proposed 220/132KV GIS, Barbil to proposed S/s at Basudevpur along with construction of 220/132kV GIS S/s at Barbil, 220KV D/C line from 220/132/33KV GSS, Turumunga to proposed 400/220KV Grid S/s at Basudevpur and 132KV LILO line from one circuit of 132KV Turumunga-Dhenkikote D/C line to 132/33KV Grid S/s, Palaspanga.

Currently, Basudevpur region draws power from the 220 kV and 132 kV systems. The primary issues are:

Loss of Primary Source: The 220/132 kV GSS at Joda was originally designed to receive power from two major sources: TTPS (Talcher Thermal Power Station) and Ramchandrapur GPS (Jharkhand). Following the decommissioning of TTPS, the Joda GSS has lost one primary source and is now entirely dependent on Ramchandrapur GSS.

Overloading: The existing 220 kV Joda-Ramchandrapur line is overloaded, making it impossible to supply additional power to Joda, Barbil, and Polasponga.

Vulnerability and Reliability: The Basudevpur region currently relies on 132 kV and 220 kV connectivity from nearby Grid Sub-Stations, which is not adequate to meet the projected N-1 reliability criteria. The system is vulnerable to overloading, voltage dips, and contingency failures.

Future Load Demand: The current system cannot feed the upcoming load from expanding aspirations of village households, upcoming housing projects, and multiple new industries setting up units in the area, such as Tata Sponge Iron Ltd, JSW Steel Ltd, and Odisha Mining Corporation (OMC).

NEED OF THE PROJECT

In recent years, the power demand in and around Basudevpur district has witnessed a sharp rise, driven by rapid industrialization, infrastructure development, and rural electrification programs. The region has now been identified as a strategic industrial hub, with significant upcoming and ongoing investments in metal, cement, plastics, food processing, and allied sectors. Additionally, Joda-

Keonjhar-Barbil area is one of the mineral rich pockets of Odisha. Many industries such as Like Tata Sponge Iron Ltd., JSW Steel Ltd, Odisha Mining Corporation (OMC), etc are drawing Power from the existing Grid (Joda, Barbil, Polasponga Grid Substations) which is currently overloaded. Several industries such as Rungta Mines-(118 MW), JSW-mines-(118 MW), Triveni Earth movers-(100 MW), Tata steel-(40 MW), ESSR-(40 MW) are going to be setup in the near future in the vicinity, along with growth in residential and commercial infrastructure, necessitates a high-capacity power network, with uninterrupted and reliable power supply being of paramount importance for sustaining long-term growth. At present, the Basudevpur region primarily depends on 132kV and 220kV connectivity from nearby Grid Sub-Stations, which are not adequate to meet the projected N-1 reliability criteria in the near future. The system is vulnerable to overloading, voltage dips, and contingency failures. Hence, it is proposed to go for construction of a 400/220kV AIS Grid Sub-Station at Basudevpur.

SCOPE OF NEW PROPOSAL

The project involves the Supply, Erection, and Commissioning of a 400/220 kV AIS at Basudevpur along with extensive associated line connectivity.

The total scope of works includes:

1. **Sub-station Construction:** Construction of a 2×500 MVA, 400/220 kV AIS Sub-Station with SAS (Substation Automation System) at Basudevpur.
2. **400 kV LILO Line:** Construction of a 400 kV D/C LILO Line (91.5 RKM) from the existing 400 kV Kaniha-Bisra D/C line (CKT-I & II) to the proposed GSS at Basudevpur.
3. **220 kV TTPS-Joda LILO Line:** Construction of a 220 kV LILO in D/C from the TTPS-Joda line to the proposed S/s at Basudevpur. The total overhead line length includes 29.8 RKM (Basudevpur-TTPS) and 27.6 RKM (Basudevpur-Joda), with approximately 8 RKM of common Multi Circuit Line.
4. **220 kV Barbil Line and GSS:**
 - o Construction of a 220 kV D/C line (with HTLS Conductor) from the proposed 220/132 kV GIS, Barbil, to the proposed S/s at Basudevpur (26.263 RKM).
 - o Construction of the new 220/132 kV GIS S/s at Barbil.
5. **220 kV Turumunga Line:** Construction of a 220 kV D/C line (49.968 RKM) from the 220/132/33 kV GSS, Turumunga, to the proposed 400/220 kV Grid S/s at Basudevpur.
6. **132 kV Palaspanga LILO Line:** Construction of a 132 kV LILO line (26.839 KM) from one circuit of the 132 kV Turumunga-Dhenkikote D/C line

to the 132/33 kV Grid S/s, Palaspanga, including 02 nos of 132 kV Bay Extension at Palaspanga

The said project has been approved by Hon'ble OERC in the revised 14th Intra-State Transmission Plan of OPTCL vide case no. 08/2024. The working capital would be made available by availing 100% Grant from District Mineral Foundation (DMF) and Govt. of Odisha.

2.3.2 Construction of 2×40 MVA, 220/33 KV Gas Insulated Sub-station with SAS at Bhandaripokhari (For Textile Park), Dist-Bhadrak with associated 220 KV LILO line from existing New Duburi-Dhamara-Balasore DC line.

Presently Bhandaripokhari and its adjacent area is drawing power at 33kV from 33/11kV Primary S/S at Dhamnagar (Bhadrak) PSS through 33kV feeder from 220/132/33 kV Grid S/s at Bhadrak. The present 132kV load of Bhadrak GSS is 80 MW, 132KV Fecor – 55 MW, 132 KV Fecor Power-5MW, 132KV Dhamra Port -1& 2-22MW, This present Primary S/s could not able to feed the future upcoming load of upcoming housing projects and industries coming up in these areas. Hence there is a requirement for establishing one 220/33 GIS at Bhandaripokhari at Bhadrak District to feed the future load.

NEED OF THE PROJECT

The Project will be funded by OPTCL looking in to the future load requirement in Bhadrak District which has now been identified as a strategic industrial hub, with significant upcoming and ongoing investments in metal, cement, plastics, food processing, and allied sectors. Additionally, the development of upcoming Textile Park (47-150 MW) by IOCL in the vicinity, along with growth in residential and commercial infrastructure, necessitates a high-capacity power network, with uninterrupted and reliable power supply being of paramount importance for sustaining long-term growth. At present, the Bhadrak region primarily depends on 132kV and 220kV connectivity from nearby Grid Sub-Stations, which are not adequate to meet the projected N-1 reliability criteria in the near future. The system is vulnerable to overloading, voltage dips, and contingency failures.

SCOPE OF NEW PROPOSAL

The proposed Supply, Erection and Commissioning of 2×40 MVA, 220/33 KV Gas Insulated Sub-station with SAS at Bhandaripokhari (For Textile Park), Dist-Bhadrak with

associated 220 KV LILO line from existing New Duburi-Dhamara-Balasore DC line. The total scope of works as envisaged in the proposed project is as detailed below.

220/33kV GIS at Bhandaripokhari (For Textile Park) in Bhadrak District:

1. 220 kV LILO line from 220 kV: New Duburi-Dhamara-Balasore DC line
2. 220KV line feeder bay - 04nos
3. 220KV Power Transformer bay - 02nos
4. 220KV Bus coupler bay - 01no
5. 33KV Line feeder bay - 05nos
6. 33KV Power Transformer bay - 02nos
7. 33KV Bus coupler bay - 01no
8. 40MVA, 220/33Kv Power Transformer- 02nos
9. 220KV Side to be done GIS
10. 33KV Side to be done AIS

The said project has been approved by Hon'ble OERC in the revised 14th Intra-State Transmission Plan of OPTCL vide case no. 08/2024. The entire working capital for the proposed project would be made available primarily by availing 30% Equity support from Govt. of Odisha under OTSSP-II scheme and rest 70% by availing loan from outside funding agency.

3. TECHNO-ECONOMIC JUSTIFICATION

3.1 Overall assessment of economic benefit

The financial analysis concludes that the immediate implementation of the proposed transmission schemes will involve additional capital expenditure (CAPEX) to the tune of Rs. 1,375.80 Cr., reduce the average annual losses to the extent of 23.98 MW as compared to operation of the system without the proposed transmission schemes, which considering at a rate of Rs. 0.255 per KWH (cost of electricity transmission approved by OERC for FY 2025-26) would result in gain in revenue from transmission charge to the extent of Rs. 2.76 Cr. annually.

Simultaneously, anticipated revenue towards sale of additional energy to be transmitted due to immediate implementation of the proposed transmission schemes will be to the tune of Rs. 63.00 Cr. annually.

Hence, a total anticipated annual revenue of Rs. 65.76 Cr. will be generated.

3.2 Capital Expenditure for the transmission scheme

The capital expenditure for the schemes has been estimated as Rs 1,375.80 Cr. and indicated in the Table below.

SUMMARY OF EVALUATION OF THE TOTAL OVERALL CAPITAL EXPENDITURE RELATED TO THE PROPOSED NEW TRANSMISSION SCHEMES

SUMMARY OF INVESTMENT, COST AND SOURCE OF FUNDING

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	TOTAL	1,375.80		

3.3 Transmission loss reduction

The loss reduction realizable by implementing the schemes is given in the table below.

SUMMARY OF SYSTEM LOSSES ON THE TRANSMISSION SYSTEM

Sl. No.	DESCRIPTION OF LOAD FLOW CASES	PEAK LOSSES IN MW
1	2X500 MVA 400/220kV AIS at Basudevpur (Keonjhar Dist), 220/132kV GIS at Barbil along with associated lines	19.26
2	2X40 MVA, 220/33kV GIS Grid substation at Bhandaripokhari, Bhadrak with associated lines	4.72
	TOTAL	23.98

4. IMPLEMENTATION

The proposal for availing loan assistance towards execution of these proposed transmission schemes is being posed before a suitable funding agency.

5. PRIOR CONSULTATION WITH DISCOMS

The Hon'ble Commission invariably in each and every ARR order of OPTCL has directed that OPTCL should have prior discussion and coordination with the DISCOMs before submission of transmission project for approval of OERC in order to avoid idle investments. Accordingly, OPTCL has made prior discussions with DISCOMs.

6. ENVIRONMENTAL CONSIDERATIONS

Sl. No.	DESCRIPTION OF LOAD FLOW CASES	FOREST AREA AFFECTED IN HECTORS
1	2X500 MVA 400/220kV AIS at Basudevpur (Keonjhar Dist), 220/132kV GIS at Barbil along with associated lines	91.44
	TOTAL	91.44

91.44 Hectors of forest land will be affected during construction of aforesaid Grid Substation. The forest diversion proposal is under progress.

Besides the above-mentioned project, no other major environmental or resettlement issues are envisaged for these additional transmission schemes.

OPTCL's policy is to generally avoid social and environmental impacts. Where this is not possible, mitigation measures are designed and implemented. A detailed mechanism for suitable and adequate environmental mitigation by compensatory afforestation is well established and generally implemented.

The Environmental Impact Assessment Study has been made and annexed with the Detailed Project Reports.

7. NET PRESENT VALUE & INTERNAL RATE OF RETURN

The Net Present Value as well as the Internal Rate of Return of individual projects have been calculated and annexed with the respective Detailed Project Reports.

ANNEXURE-2

02 nos. of DPRs of the following Investment proposals are detailed below.

Grid Substations:

- Construction of 2X500 MVA, 400/220KV AIS Sub-Station with SAS at Basudevpur with associated 400 KV D/C LILO LINE from 400KV Kaniha-Bisra D/C line (CKT-I & II) to proposed 400/220KV GSS at Basudevpur, 220KV LILO in D/C from TTPS-Joda line to proposed S/s at Basudevpur, 220KV D/C line from proposed 220/132KV GIS, Barbil to proposed S/s at Basudevpur along with construction of 220/132kV GIS S/s at Barbil, 220KV D/C line from 220/132/33KV GSS, Turumunga to proposed 400/220KV Grid S/s at Basudevpur and 132KV LILO line from one circuit of 132KV Turumunga-Dhenkikote D/C line to 132/33KV Grid S/s, Palaspanga.
- Construction of 2×40 MVA, 220/33 KV Gas Insulated Sub-station with SAS at Bhandaripokhari (For Textile Park), Dist-Bhadrak with associated 220 KV LILO line from existing New Duburi-Dhamara-Balasore DC line.