



**ORISSA POWER TRANSMISSION
CORPORATION LTD.**

JANPATH, BHUBANESWAR- 751 022 ,ODISHA ,INDIA

**INVITATION FOR BIDS (INV) FOR SUPPLY & INSTALATION OF SUB STATION
AND TRANSMISSION LINE AT VARIOUS LOCATION FOR M/S ORISSA
POWER TRANSMISSION CORPORATTION LIMITED, BHUBANEWAR (INDIA)**

(DOMESTIC COMPETITIVE BIDDING)

ORISSA POWER TRANSMISSION CORPORATION LIMITED (OPTCL), BHUBANESWAR proposes for construction of Sub station, Transmission Lines and its associated system within the state of Orissa. The proposed work is being built, in line with norms, specification and standards prescribed by OPTCL and to be handed over to OPTCL for operation, ultimate control and maintenance.

- 1.0 M/s NTPC Electric Supply Company Limited (NESCL), Noida has been retained by OPTCL for Pre Award Contract Management Services of the Project. OPTCL invites sealed Bids, in single stage two envelope bidding (Part-I: Techno - Commercial Part and Part-II: Price Part) for Supply and installation of Sub Station & Transmission Lines in the state of Orissa to be executed on {Lumpsum Turnkey (LSTK)} Contract basis, from the competent Agencies meeting the qualifying requirements as stated in Para 5.0 below.

The execution of the project shall be funded by OPTCL and all eligible payments for the execution of the project under the intended contract shall be made by the OPTCL under suitable contract arrangement with contractor. The ownership of the project shall remain vested with OPTCL.

**2.0 BRIEF SCOPE OF WORK AND SUPPLY EXCLUDING POWER
TRANSFORMERS ,SCADA AND PLCC (INDOOR ONLY) EQUIPMENT
(RTV)**

- i) Detailed design
- ii) Providing engineering data and drawings, as per specified format, for employer's review, approval and records.
- iii) Complete Manufacturing including Type, Acceptance & Routine testing, as specified.

- iv) Packing and transportation from the manufacturer's works to the site including transit insurance & customs clearance/ port clearance (if required), port handling, clearance for imported goods and further loading (if applicable) "As delivered at site basis".
- v) Receipt, Unloading, Storage, Insurance and Preservation of Sub station & Transmission Line material & accessories at site.
- vi) (a) Construction of Sub-Station , Residential accommodation and installation of equipments (including all civil works)
 (b) Transmission Line route survey of entire stretch ,Settlement of all issues related to Right of Way and laying of Line (including all civil works)
 (c) Testing and Commissioning of Sub Station, Transmission Line & accessories.
 (d) Handing over of the completed system to the Owner
 (e) Satisfactory conclusion of the Contract.

3.0 The aforesaid scope of work is only indicative. The detailed scope is described in the Bidding Documents, which are available for inspection & sale, at the address mentioned at para 17.0, as per details schedule given below:

Sl. No.	Details	Package: 620-01	Package : 620-02
1.	Bid Documents No	NESCL/OPTCL/CS-OS-620-01	NESCL/OPTCL/CS-OS-620-02
2.	Last date & time for submission of Bids	Date- 18 /05 /2011 Time up to 11.00 am (IST)	Date- 19/05/2011 Time up to 11.00 am (IST)
3.	Due date & time of Techno Commercial Bid Opening	Date 18/05 /2011 Time on 11.30 am (IST)	Date 19/05/2011 Time on 11.30 am (IST)
4.	Cost of the bidding documents	₹ 10,400	₹ 10,400
5.	Bid Security	₹ 75,00,000/-	₹ 1,02,00,000/-

3.1 Inspection & Sale of Bidding Documents of above packages:

From: **15/04/2011** to **16/05/2011** between 9.30 am to 5.30 pm on all working days (IST).

3.2 Date and time of opening of Price Bids (Part-II) for above packages shall be informed to all the eligible bidders at a later date and the same shall be opened in the presence of the representatives of those bidders who choose to attend the Bid Opening.

3.3 Bidders are requested to visit the proposed Sites and get familiarized fully with the site conditions & requirement before submitting the bid.

3.4 The venue for Bid opening shall be at OPTCL office, Multi storied Building, 1 st floor, Janpath, Bhubaneswar.

3.5 Cost of the bid document is inclusive of 4% VAT

4.0 SALIENT TECHNICAL FEATURES OF PACKAGES:

Package No	NAME OF THE SUB-STATION(S) & ASSOCIATED TRANSMISSION LINE(S)	Transformer Capacity (OPTCL's scope)	Bays			Line Length (In KM)	Type of Line
			220 KV	132 KV	33 KV		
620-01	"Marshaghai":- 132/33 kV (2X40 MVA) SUB-STATION & ITS ASSOCIATED 132 KV LINE	2X40 MVA	-	5	8	30	132 KV LILO Line On Double Ckt Tower (2.67 MT approx)
	"Olavar" :- 132/33 kV (2X20 MVA) SUB STATION ALONG WITH FEEDER BAY EXTENSION AT 'PATAMUNDAI' & ITS ASSOCIATED 132 KV LINE	2X20 MVA	-	5	8		132 KV LILO Line On Double Ckt Tower (549.68 MT approx)
620-02	"Dhamara" :- 220 /132/33 kV (2X100 MVA and 2X40 MVA) SUB-STATION & ITS ASSOCIATED 220 kV LINE	2X100 MVA 2X40 MVA	5	7	8	40	220 KV LILO Line On Double Ckt Tower (751.82 MT approx)

5.0 BIDDER'S QUALIFICATION CRITERIA (BQC) /QUALIFYING REQUIREMENTS (QR):

In addition to satisfactory fulfillment of General Qualifying Requirement stipulated in clause 2.0, Instruction to Bidder, Volume-I, the following shall also apply.

5.1 Technical Criteria

For Package : 620-02 Bidders are require to meet Para –A & B both

Para-[A] : 220 KV SUB-STATION:

5.1.1 The Bidder should have Designed, Constructed and Commissioned minimum **One (01)** Number 220 KV or higher voltage class sub-station having minimum 3 (three) Nos. Bays of 220 KV or higher voltage class on Turn-Key basis.

OR

5.1.2 The Bidder should have Erected, Tested and Commissioned minimum **8 (eight) nos. of 220 KV** or higher voltage class Bays.

OR

5.1.3 The Bidder should have Erected, Tested and Commissioned minimum **15 (fifteen) nos. 110 KV** or higher voltage class Bays.

The above works (**5.1.1, 5.1.2 and 5.1.3**) should have been completed during last **10 (ten) years** and should be in successful operation for a minimum period of **Two (02) years** reckoned from the date of opening of Techno-Commercial Bids

Para- [B]: 220 KV TRANSMISSION LINE:

5.1.4 The bidder should have completed construction of Transmission line projects of 220 KV or, higher class, involving supply of materials, tower foundations, erection, stringing, testing and commissioning with a cumulative line length of not less than **50% (FIFTY PERCENT)** (to be quantified against each package rounded off to the next whole No.) against each package and should have been completed during last **10 (ten) years** and should be in successful operation for a minimum period of **Two (02) years** reckoned from the date of opening of Techno-Commercial Bids.

OR

5.1.5 The bidder should have completed construction of Transmission line projects of 220 KV or, higher, involving erection of Tower & Foundation, stringing, testing and commissioning with a cumulative line length of not less than **75% (SEVENTY-FIVE PERCENT)** (to be quantified against each package rounded off to the next whole No) indicated against each package and should have been completed during last **10 (ten) years** and should be in successful operation for a minimum period of **Two (02) years** reckoned from the date of opening of Techno-Commercial Bids.

5.1.6 In addition to the above (**5.1.4**) or (**5.1.5**) the Bidder should have own tower manufacturing facility or should have access with Transmission line tower manufacturer for supply of tower materials. (Format of undertaking placed at Annexure-XVIII in Vol.-IA of bidding document)

5.1.7 As per para 5.1.14 below

For Package 620-01 Bidders are require to meet Para –A & B both

Para- [A]: 132 KV SUB-STATION:

5.1.8 The Bidder should have Designed, Constructed and Commissioned minimum **One (01)** Number 110 KV or higher voltage class sub-station on Turn key Basis having minimum 02 (Two) Nos. Bays of 110 KV or higher voltage class.

OR

5.1.9 The Bidder should have Erected, Tested and Commissioned minimum **5 (five) Nos. of 110 KV** or higher voltage Class Feeder Bays on Turn-Key basis.

OR

5.1.10 The Bidder should have Erected, Tested and Commissioned minimum **02 (Two) nos of 110 KV** or higher voltage Class Transformer Bays on Turn-Key basis.

The above works (**5.1.8, 5.1.9 and 5.1.10**) should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of Two (02) years reckoned from the date of opening of Techno-Commercial Bids

Para-[B] :132 KV TRANSMISSION LINE:

5.1.11 The bidder should have completed construction of Transmission line projects of 110 KV or, higher, involving supply of materials, tower foundations, erection, stringing, testing and commissioning with a cumulative line length of not less than **50% (FIFTY PERCENT)** (to be quantified against each package rounded off to the next whole No.) indicated against each package and should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of **Two (02)** years reckoned from the date of opening of Techno-Commercial Bids.

OR

5.1.12 The bidder should have completed construction of Transmission line projects of 110 KV or, higher, involving erection of Tower & Foundation, stringing, testing and commissioning with a cumulative line length of not less than **75% (SEVENTY-FIVE PERCENT)** (to be quantified against each package rounded off to the next whole No.) indicated against each package and should have been complete during last **10 (ten)** years and should be in successful operation for a minimum period of **Two (02)** years reckoned from the date of opening of Techno-Commercial Bids.

5.1.13 In addition to the above (**5.1.11**) or (**5.1.12**) the Bidder should have own tower manufacturing facility or should have access with Transmission line tower manufacturer for supply of tower materials. (Format of undertaking placed at Annexure-XVIII in Vol.-IA of bidding document).

5.1.14 The Bidder either should have experience for the Piling works in Transmission Line or should have arrangement with an expert firm/contractor, who has adequate experience on piling works in Transmission Line and who can take up the piling work in Transmission as and when required and to that effect the Bidder has to give an undertaking from the firm/contractor along with all relevant document in support of experience and its capacity and capability in execution of piling work in Transmission Line. (Format of undertaking placed at Annexure-XXIV in Vol.-IA of bidding document).

5.2 JOINT VENTURE or CONSORTIUM'S

- 1) The bidder who wishes to be qualified through JV or Consortium above shall associate himself with an agency with whom the technical qualifying requirements specified above are satisfying jointly, however both the partner should independently satisfy any one of the Technical criteria specified for Sub-station or, Transmission Line. In such case the bidder, proposing his associate, shall furnish a Joint Deed of Undertaking (Format enclosed as Appendix) along with the associates guarantee for quality and timely completion of package and confirming to furnish a performance guarantee to be shared equally amongst the bidder and the associate aggregating to 1% of the package cost. This is in addition to 10%

contract performance guarantee to be submitted by the contractor on award of contract.

- 2) Maximum number of Partner in a JV or Consortium for a Package is limited to two (02) only. There shall be one lead partner and one other partner.

5.3 FINANCIAL CRITERIA

- (a) The Minimum Average Annual Turnover (MAAT) of the bidder of best three years out of the last five financial years reckoned on the date of bid opening shall not be less than as specified at Table-I below for the Package as per the audited financial results. Other income shall not be considered for arriving at annual turnover.
- (b) The un-utilised line of credit for fund based and non-fund based limits with cash and bank balance including fixed deposits of the bidder as on a date not earlier than 15 days prior to the date of bid opening, duly certified by the Bankers shall not be less than as specified at **Table-I**. In case certificates from more than one bank are submitted, the certified unutilized limits shall be of the same date from all such banks. In case the bidder's unutilized line of credit for fund based and non-fund based limits specified at **Table-I** below is not sufficient, a comfort letter from one of the bankers specified in bidding documents for 'CPG' (Annexure XV of Vol-IA) is to be submitted, unequivocally stating that in case the bidder is awarded the contract, the bank would enhance the Limits to a level not less than the specified amount, shall be acceptable

Table-1

All values in ₹

Sl. No.	Name of Package	MAAT	Un -Utilised Credit for Fund based and non-fund based
1	PACKAGE No. 620-01	19 Crores	13 Crores
2	PACKAGE No. 620-02	26 Crores	18 Crores

- (c) For Bidder to qualify for more than one package the MAAT and Un-utilised Credit for Fund based and non-fund based limit requirement shall be the sum of the MAAT and Un-utilised Credit for Fund based and non-fund based requirement of the packages they proposed to qualify.
- (d) Net worth of bidder in the latest financial year, as per the audited financial results shall be positive, reckoned on the last day of the preceding financial year.
- (e) In case of a bid submitted by a JV or Consortium, all the partners shall be required to individually meet the net worth criteria.
- (f) Net Worth means the sum total of the paid-up share capital and free reserves. Free means all reserves credited out of profits and share premium account but does not include reserves credited out of the revaluation of assets, write

back of depreciation provisions and amalgamation. Further, any debit balance or Profit & Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from Reserves & Surplus.

5.4 Conditions for JV or consortium for fulfilling financial criteria of QR

The bidder may also participate in a joint venture (JV) or consortium route provided the partner(s) of the JV meet the following minimum criteria:

- (i) The lead partner shall meet, not less than 50 % of the minimum criteria given at Para (a) and (b) of Financial Criteria. (value of respective project tenders shall be as per Table 1).
- (ii) The other partner shall meet the criteria of 'not less than 25%' of the criteria as given at Para (a) and (b) of Financial Criteria above. Failure to comply with this requirement will result in rejection of the joint venture's or Consortium's bid.
- (iii) One of the partners shall be nominated as lead partner, and the lead partner shall be authorized to incur liabilities and receive instruction for and on behalf of any and all partner of the joint venture and the entire execution of the contract including receipt of payment shall be done exclusively through the lead partner. This authorization shall be evidenced by submitting a power of attorney and JV agreement signed by legally authorized signatories of both the partners as per Performa in section "Annexure-XII and XIII" of condition of contract (Vol-1A).
- (iv) Both partners of the joint ventures shall be liable jointly and severally for the execution of the contract in accordance with the contract terms and a copy of the agreement entered into by the joint venture partners, having such a provision shall be submitted with the bid. A statement to this effect shall be included in the authorization mentioned above as well as in the 'Bid form' and in the Contract Form.

6.0 The Bidder shall furnish following documents/details with the Bid in support of:

- Documentary evidence viz. copy of award letter, certificate of performance in support of satisfactory execution of works, undertaking from the Tower Manufacture regarding access for supply of tower materials, work experience certificate for the Piling Works/Undertaking from expert firm/contractor, who can take up the piling works with relevant documents in support of experience and its capacity & capability on execution of Piling works etc. in support of meeting the **Technical Criteria** of 'QR' as stipulated at 5.0 above Document submitted should be duly flagged/marked in the offer.
- All documents evidencing compliance to the Financial Criteria as stipulated above.
- Complete annual reports together with Audited statement of accounts of the company for last 5 years immediately preceding date of submission of bid.
- Detailed information on any litigation or arbitration arising out of the contract completed or under execution by it over the last five years. A consistent history of litigation against the Bidder may result in the rejection of Bid.
- In case of 'JV' or Consortium, the bidder and his partner shall furnish a 'Joint Deed of Undertaking (Format of undertaking placed at Annexure-XIII in Vol.-IA of bidding document)

- In case where audited results for the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant shall also be considered acceptable.
 - A certificate from the banker indicating various fund based/non-fund based limits sanctioned to the bidder and the extent of utilization as on date. Such certificate should have been issued not earlier than three months prior to the bid opening date (Format of undertaking placed at Annexure-XI in Vol.-IA of bidding document)
- 7.0. The owner reserves the right not to consider the bid in case anything is found contradictory to the above QR.
- 8.0 In addition to above, the bidder is to submit documentary evidence viz. copy of award letter & proof of completion in support of similar works executed during last 10 (ten) years and satisfactory operation for minimum 02 (two) years as on the date of opening of Techno-Commercial bid opening.
- 9.0 NTPC Electric Supply Company Limited reserves the right to cancel / withdraw the bid without assigning any reason for such decision. Such decision will not incur any liability whatsoever on the part of NTPC Electric Supply Company limited consequently.
- 10.0 All bids must be accompanied by a bid security as specified in the bid documents and must be delivered to the address given below at the date and time given above.
- 11.0 Unsatisfactory performance of a bidder with respect to orders / jobs executed by them in the past in OPTCL, Orissa.
- If the performance of any bidder is seen not satisfactory with respect to orders / jobs executed by them in the past in OPTCL, the bid from such bidder shall not be considered for evaluation. The decision as to the unsatisfactory performance of a bidder shall be taken by OPTCL and the same shall be final.
- 12.0 The successful Bidder will be required to furnish a Contract Performance Guarantee for **Ten (10%)** for the package.
- 13.0 Issuance of Bid Documents to any Bidder shall not construe that such bidder is considered to be qualified. Bids shall be submitted and opened at the address given below in the presence of bidder's representatives who choose to attend the bid opening.
- 14.0 Bid submitted by any Agency who is on holiday list of OPTCL/NESCL shall not be considered for opening and further evaluation. Similarly, in case any Bidder is put on holiday list of OPTCL/NESCL subsequent to submission of Bid during evaluation, then in such an eventuality, Bid of such Bidder shall also not be considered for further evaluation.

- 15.0 Bidder submitting their Bid shall not be under liquidation, court receivership or similar proceeding.
- 16.0 Bidders should ensure submission of complete information/ documentation in the first instance itself. Determination of Qualification may be concluded based on the details so furnished without seeking any subsequent additional information.
- 17.0 Non-transferable Bidding Document can be purchased by the Agencies from NESCL Room No. 221, R&D Building, Plot No. A-8A, Sector-24, Noida- 201301, (UP) or N-3/174, IRC Village Nayapalli, Bhubaneswar-7510185 (Orissa) on any working day (Monday to Friday except Holidays) between 0930 Hrs. (IST) to 1730 Hrs. (IST) during the sale period, on payment of non-refundable cost of the Bidding Document through a crossed demand draft drawn in favour of **D.D.O., OPTCL, payable at Janpath Bhubaneswar**. Agencies are required to collect the Bidding Document personally or through their authorized representatives. Request for sending the Bidding Document by post, courier or any other mode shall not be entertained.
- 18.0 **Bidding Document can also be downloaded from the web site of OPTCL (<http://www.optcl.co.in>)**. Agencies who have downloaded the Bidding Document from the OPTCL web site are required to pay the Cost of Bidding Document by Demand Draft at the time of submission of their Bid, failing which Bid of such Bidder shall not be considered for opening and further evaluation.
- 19.0 All Bids must be accompanied by Bid Security for an amount as mentioned in clause 3 above along with the Part -I of the Bid. Bids not accompanied by the requisite Bid Security, in a separate sealed cover or Bids accompanied by Bid Security of inadequate value shall not be entertained and in such cases bids shall be returned to the bidder without being opened.
- 20.0 Sealed Bids will be received in the **Orissa Power Transmission Corporation Limited, 1st floor, Multi storied Building at Bhubaneswar**. Techno-commercial part of the Bid shall be opened in the presence of authorized representatives of attending Bidders. Time and date of opening of Price- Bids shall be notified to the techno-commercially qualified and acceptable Bidders only at a later date.
- 21.0 Bids not received by the due date and time shall be rejected and representatives of such Bidders shall not be allowed to attend Bid opening.
- 22.0 OPTCL/NESCL will not be responsible for any costs or expenses incurred by the Bidder in connection with preparation or delivery of Bids, participating in discussions etc. including costs and expenses related with visits to the site.
- 23.0 OPTCL/NESCL shall allow purchase preference to Indian Central

Government Public Sector Undertaking/ Enterprises if admissible under the existing policies of Government of India.

- 24.0 Telex/Telefax/Telegraphic/E-mail Bids shall not be accepted. OPTCL/NESCL takes no responsibility for delay, loss or non-receipt of Bid sent by post/ courier.
- 25.0 OPTCL/NESCL reserves the right to reject any or all Bids at their sole discretion without assigning any reason whatsoever.
- 26.0 Canvassing in any form by the Bidder or by any other agency on their behalf may lead to disqualification of their Bid.
- 27.0 In the event of date specified for bid receipt and opening being declared as a closed holiday for NESCL / OPTCL Office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
- 28.0 Notwithstanding anything stated herein above, the owner reserves the right to assess the capacity and capability of the bidder, should the circumstances warrant such assessment in the overall interest of the owner. The owner reserves the right not to consider the bid in case anything is found contradictory to the above QR. This assessment shall inter-alia include.
- i) Document verification
 - ii) Bidders work/manufacturing facilities
 - iii) Manufacturing capacity (for 5.1), details of work executed, works in hand, anticipated in future in addition to the works involved in present bid
 - iv) Details of plant and machinery, manufacturing and testing facilities, manpower, and financial resources.
 - v) Details of quality systems in place
 - vi) Past experience and performance
 - vii) Customer feedback and Bankers feedback.

- 29.0 Clarifications, if any, can be obtained from DGM (C&M), NESCL, Room No 221, NTPC EOC, R&D Building, Sec-24 Noida, Telefax No. and Telephone Nos. are as follows:

Telefax No.: 0091-(120)-2410907 / 205. Telephone No.: 0091-(120) - 2410689 / 2597407.

Note: Bidders are requested to regularly visit the OPTCL's website for amendment/errata (if any) and any other information regarding these tenders. Bidders, who are downloading the bid document from website; are requested inform NESCL about their company details and address for communication.