



OFFICE OF THE ADDITIONAL CHIEF ENGINEER (T&T)

TERMS AND CONDITIONS

TENDER

FOR

DISMANTLING, TRANSPORTATION, OVERHAULING, ERECTION AND INSTALLATION, PAINTING, TESTING AND COMMISSIONING OF 132/33KV, 12.5MVA TRANSFORMER FROM 132KV NANGALBIBRA SUBSTATION TO 132KV GRID SUBSTATION, SOHRA ALONG WITH SUPPLY OF TRANSFORMER OIL AND OTHER ACCESSORIES.

Cost of Tender Rs 10,500.00 (Incl GST)

INSTRUCTION TO TENDERERS

1.0 GENERAL INSTRUCTIONS

- 1.1 The Meghalaya Power Transmission Corporation Limited, hereinafter referred to as 'MePTCL' / 'Owner' will receive Tenders for the work of **Dismantling, transportation, overhauling, erection & installation, painting, testing and commissioning of 132/33kv, 12.5MVA transformer from 132kv Nangalbibra Substation to 132kv grid substation, Sohra along with supply of Transformer Oil and other accessories.** In the event the date for tender submission and opening day falls on a public holiday, then the same shall be received/ opened on the next working day at the same time.
- 1.2 The tender will consist of two parts. One part of the bid will form the Qualifying Bid, comprising the Earnest Money Deposit (EMD) and Qualifying Requirements and the other part of the bid will form the Price Bid. The Bid shall be submitted in three separate envelopes, clearly marked '**EARNEST MONEY**', '**QUALIFYING REQUIREMENT**' and '**BID PRICE**'.

2.0 COST OF BIDDING

- 2.1 The Bidder shall bear all costs associated with the preparation and submission of Bid and the MePTCL shall in no case be responsible or liable for these costs; regardless of the conduct or outcome of the bidding process.
- 2.2 The Bid shall be submitted along with a non-refundable amount of Rs 10,500/- (Rupees Ten thousand five hundred only) 'inclusive of GST', by Demand Draft / Banker's Cheque, in favor of "MePTCL Principal Account", payable at Shillong.

3.0 QUALIFYING REQUIREMENTS OF BIDDERS

- 3.1 This Tender is opened to any experienced and reputed electrical contractor dealing in Power Transformers who provides satisfactory evidence concerning the following, that:
- (i) He is a qualified contractor possessing valid registration/ license, who has adequate technical knowledge and has carried out manufacturing/repairing works of power transformer not less than the capacity of 132/33kV, 12.5 MVA; the evidence of which shall consist of Work Orders, Experience Certificates, self/company's profile etc.

- (ii) He does not anticipate change in the ownership during the proposed period of work/ contract (if such a change is anticipated, the scope and effect thereof shall be defined);
- (iii) He has adequate financial stability and status to meet the financial obligation pursuant to the scope of the works. He should submit the audited turnover of the last three year and the average yearly turn over should not be less than Rs. 13,24,555.00 (Rupees thirteen lakhs twenty four thousand five hundred fifty five) only.
- (iv) The contractor should also submit a list of execution details of similar works, Work Order previously executed by him, during the last three years as given hereunder:
 - (a) Three completed works each costing not less than the amount of Rs. 17,66,073.20 being 40% of the estimated cost of Rs. 44,15,183.00
 - Or
 - (b) Two completed works each costing not less than the amount of Rs. 22,07,591.50 being 50% of the estimated cost of Rs. 44,15,183.00
 - Or
 - (c) One completed work each costing not less than the amount of Rs. 35,32,146.40 being 80% of the estimated cost of Rs. 44,15,183.00

In support of which, he should submit certified copies of work orders along with his tender and an experience certificate signed by an Officer not below the rank of Superintending Engineer or equivalent. After the tender has been opened, bidders may be required to submit detailed particulars of such works and the manner of their execution and any other information that will satisfy the Owner that, the contractor has an adequate organization including, experienced personnel to execute vigorously the work required to be carried out, according to the specifications.

The bidder has adequate financial solvency and liquid assets or availability of credit facilities of not less than Rs. 17,66,073.00 (Rupees Seventeen lakhs sixty six thousand and seventy three) only.

- (v) The bidder should furnish the list of committed contracts along with their value presently being undertaken within MeECL and in all the Government departments. The date of the LOA and the scheduled completion should also be mentioned.

- (vi) He has adequate skilled manpower and working tools/machineries available to perform the works properly and expeditiously within the time period specified. The evidence shall consist of written details of the strength of employees, list of different tools/equipments with specifications and present commitments (excluding the work under this Specification) of the Bidder.
 - (vii) He has established quality assurance system during his field installation activities.
- 3.2 In addition, the qualifying requirement stated in the accompanying 'General Term & Conditions' shall also apply.
- 3.3 The above stated requirements are a minimum and the Owner reserves the right to request for any additional information and also reserves the right to reject the Proposal of any Bidder, if in the opinion of the Owner, the qualification data is incomplete or the Bidder is found not qualified to satisfactorily perform the Contract.

4.0 GENERAL TERMS AND CONDITIONS

- 4.1 Every bidder must be a Registered Contractor of the appropriate class and reputed electrical Contractor for electrical works possessing valid license. Attested copy of Registration, license should be submitted along with the Tender, failing which the Tender is liable to be rejected.
- 4.2 The MePTCL will not provide construction machineries or tools and plants to the contractor, which may be required for the execution of this work. However, in case of availability of machineries or tools and plants with the Owner and if required by the contractor, the same may be provided on chargeable basis at the rates fixed by the Owner. For providing such assistance the Departmental hiring charge will be recovered from the bills of the contractor.
- 4.3 Valid PAN Card, GST Certificate and two attested copies of current passport size photographs of the bidders must be submitted along with the tender, without which the tender is liable to be rejected.
- 4.4 Taxes/Labour Cess and other Cess will be deducted as per the prevailing Government Orders.
- 4.5 Each bidder should carefully examine the drawings and specifications, visit the site and fully satisfy and acquaint himself, about the nature and location of work, the conditions, quality and quantity of materials required and their availability, the type of equipment and facilities available and general and local condition which affect the work or cost thereof. While working out the quoted rates, the contractor should also consider the cost

of all construction materials at site including his cost of carriage from site to the construction site and subsequent cost of storage thereon, etc.

- 4.6 Firms submitting tenders should enclose a certified copy of the firm's ownership/ constitution and a certified copy of Power of Attorney authorizing a person to operate the contract and should furnish full addresses of the partners and the persons holding Power of Attorney on behalf of the firm.
- 4.7 All work shall have to be carried out as per relevant I.S. Code of Practice unless otherwise specified by the Engineer at site or covered by the detailed specifications for the works appended herewith.
- 4.8 The bidder shall sign every page of the tender. Every correction in the tendered rates shall bear contractor's initial before submission, failing which the tender is liable to be rejected.
- 4.9 The rates quoted shall be valid for items of work for any increase or decrease in quantities as per final design and estimate. The rates should be quoted both in figures and words against each item of the schedule. All corrections should bear the dated initial of the bidder. If there is any discrepancy between the rates quoted in figure and in words, then the rates in words shall prevail.
- 4.10 The contractor must not sublet the work without the prior approval of the Owner.
- 4.11 Valid Labour License must be submitted along with the Tender, failing which the tender is liable to be rejected.
- 4.12 The contractor should furnish a copy of applicable license/registration or proof of applying for obtaining labour licence, registration with EPFO, ESIC & BOCW registration.
- 4.13 Non-tribal bidder / contractor must submit a copy of the valid trading license before commencement of the work.
- 4.14 Tribal/Scheduled Caste contractors must submit along with their tenders a copy of the schedule tribe/caste certificate issued by competent authority.
- 4.15 Tenders should be submitted in the specified format in sealed envelopes marked in the upper left-hand corner name of the work along with the full name and address of the Bidder and sent by registered post, if not delivered personally. The Bid shall be signed by a person or persons duly authorized to sign on behalf of the Bidder with Company seal. The Bid shall contain the name, official address and place of business of person(s) authorized to sign the bid. All pages of the Bid including entries or amendments which

have been made shall be signed by the authorized signatory. Bid submitted through fax or e-mail shall not be accepted.

- 4.16 The MePTCL does not assume any responsibility for postal delay. The sealed envelope containing the tender and marked as directed above should be enclosed in another envelope properly sealed.
- 4.17 The inner and outer envelopes shall be addressed to the Owner at the following address:

**OFFICE OF THE ADDL.CHIEF ENGINEER (T&T)
MEGHALAYA POWER TRANSMISSION CORPORATION LIMITED (MePTCL)
LUMJINGSHAI, SHORT ROUND ROAD, SHILLONG - 793001**

- 4.18 The Bidder shall submit the Qualifying Requirement in One Original and two copies in sealed envelopes (marked 'ORIGINAL' and 'COPY') and superscripted as 'QUALIFYING REQUIREMENT'. In the event of discrepancy between them, the original shall prevail.
- 4.19 The Bid shall contain no alterations, except those to comply with instructions issued by the purchaser or as necessary to correct errors made by the Bidder, in which case such alterations shall be initialed with date by the person or persons signing the Bid.
- 4.20 In case the bidder proposes deviations to the Bid Document, which may have financial implications on value of the contract, the bidder must indicate the deviations separately indicating the additional financial implication on account of the deviation.
- 4.21 Tenders will be opened in the office of the **Addl. Chief Engineer (T&T), MePTCL, Shillong**, on the same date after the fixed time or receipt of the tender. The intending bidders or their authorized agents may remain present at the time of opening of tenders if so, desired. The tenders will be received up to **12:00 hours of the 4th December, 2023 and will be opened on the same date at 12:00 hours. Tenders received later than the time prescribed above (i.e. 12:00 hours of 4th December, 2023)** shall not be considered.
- 4.22 The Owner may, at its discretion, extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligation of the Owner and Bidders previously subject to the original deadline, shall thereafter be subject to the new deadline as extended.
- 4.23 If the envelopes are not properly sealed; the Owner shall assume no responsibility for the misplacement or pre-mature opening.
- 4.24 Any Bid received by the Owner after the deadline for submission of bids prescribed by the Owner, shall be returned unopened to the Bidder.
- 4.25 Bids once submitted cannot be modified or withdrawn.

- 4.26 To assist in the examination, evaluation and comparison of bids, the Owner may at its discretion, ask any Bidder for clarification. The request for clarification and the response shall be in writing and no change in price or substance of the Bid shall be sought, offered or permitted except as required to confirm the corrections of arithmetic errors discovered by the Owner during the evaluation of the bids. However, additional price implication of any changes required by the Owner in the offer submitted during the technical evaluation in the bids before the price opening shall be indicated.
- 4.27 The MePTCL reserves the right to accept any tender in whole or in part. The acceptance of the Tender in part only will not affect the liability of the bidders for the due performance of the contract.
- 4.28 The MePTCL is not bound to accept the lowest tender or any tender and may reject any or all tenders without assigning any reason whatsoever and reserves the right to accept/reject the tenders partly or in full and to sub-divide the work as found suitable.
- 4.29 To deal with emergency/accidental eventualities at works site, the Contractor shall make all such arrangements necessary, such as services of an ambulance etc., for Transportation to hospital at his own cost.

5.0 EARNEST MONEY DEPOSIT

- 5.1 The Bidder shall furnish, as part of his Bid, an Earnest Money Deposit (EMD) of **Rs. 44,151.83** (@ 1% of the estimated value) for SC/ST contractors and **Rs. 88,303.66** (@ 2% of the estimated value) for others.
- 5.2 The Earnest Money Deposit shall be denominated in INR favoring the **Addl. Chief Engineer (T&T), MePTCL, Shillong**, and shall be in the form a Bank Guarantee / Call Deposit / Term Deposit, acceptable to the Owner, issued by a nationalized/scheduled bank in India, The EMD shall be valid for 180 days, which may be extended on the instruction of the Owner.
- 5.3 Any Bid not accompanied by an acceptable Earnest Money Deposit shall be rejected by the Owner as non-responsive.
- 5.4 The Earnest Money Deposit of unsuccessful bidder(s) shall be returned by the Owner.
- 5.5 The Earnest Money Deposit of successful bidder shall be returned on completion of the contract.
- 5.6 No interest shall be paid by the MePTCL on the Earnest Money Deposit.
- 5.7 The Earnest Money Deposit shall be forfeited:
- a) If a Bidder withdraws or modifies his Bid during the period of bid validity or extension thereof.

- b) If the Bidder does not accept the correction of his Bid price.
- c) In case of a successful Bidder, if he rejects the work order or fails to sign the agreement.

6.0 BID PRICE

- 6.1 The Bidder shall quote in the appropriate schedule of rates for items of works for any increase/decrease in quantity as per final designed and estimate for the entire scope of works (covered under Tenders Document) under the contract on a **FIRM** price basis, unless otherwise specified. Bidders quoting a system of pricing other than that specified run the risk of rejection.
- 6.2 The Bidder shall also furnish the price break-down in the appropriate schedule of Tenders Form to indicate the following:
 - (i) Bidder shall indicate Bid prices in Indian Rupees only.
 - (ii) The Bidder shall include Sales/ Services Tax, GST on Works Contract, or any other similar taxes under the Sales Tax Act, as applicable in their quoted Tenders price and MePTCL would not bear any liability on this account. MePTCL shall, however, deduct such taxes at source as per the rules and issue TDS Certificate to the Contractor.
 - (iii) With regards to Income Tax, surcharge on Income Tax and other corporate taxes, the Bidder shall be responsible for such payment to the concerned authorities.
- 6.3 The Bidder shall submit the Bid price in One Original and two copies in sealed envelopes (marked 'ORIGINAL' and 'COPY') and superscripted as "**BID PRICE**". In the event of discrepancy between them, the original shall prevail.

The Bid price will be return unopened to tenderers who failed to qualify in the Qualifying Requirements.
- 6.4 The price bids shall be checked by the Owner for any arithmetical error in computation and summation. Errors shall be corrected by the Owner as follows:
 - (i) Where there is discrepancy between amounts in figures and in words, the amounts in words shall prevail, and
 - (ii) Where there is discrepancy between the unit rate and the total amount derived from the multiplication of unit rate and the quantity, the unit rate as quoted shall govern unless in the opinion of the Owner, there is an obviously gross misplacement of decimal point in the unit rate, in which case, the line item total as quoted shall govern and unit rate shall be corrected.
 - (iii) In case prices for some items are given by a Bidder as lump sum where unit rates

are required, the Owner reserves the right to arrive at unit rate on the basis of dividing the entered lump sum by the specified quantity.

- 6.5 The amount stated in the Price Schedule shall be adjusted by the Owner in accordance with the above procedure for the correction of errors and shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount of bid, his bid shall be rejected and the Earnest Money Deposit (EMD) shall be forfeited.

7.0 AWARD CRITERIA

The Owner shall award the Contract to the Bidder whose Bid has been determined to be substantially responsive and has been determined as successful bidder, provided further that the requisite assessment of the Bidder has been made to perform the Contract satisfactorily.

8.0 SIGNING OF CONTRACT

- 8.1 Within 14 (fourteen) days from the date of letter of award, the Bidder or his authorized representative shall attend the office of the Addl. Chief Engineer (T&T), MePTCL, Shillong for signing of the Agreement in F-2 form.
- 8.2 Wherever there is any variation in between the conditions of the F-2 Form and the conditions of Bid Document, the conditions of Bid Document shall prevail. However, other conditions of the F-2 Form about which nothing is mentioned in the Bid Document shall form a part of this contract.
- 8.3 Failure on the part of the successful Bidder to comply with the above requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Earnest Money Deposit (EMD), in which event the Owner may make the award to the next lowest evaluated Bidder or call for new Bids.

9.0 OWNER'S RIGHT TO VARY QUANTITIES

The Owner reserves the right to increase or decrease the quantity of goods valuing up to 15% of the Contract price including services, without any change in unit rates or other terms and conditions, during the execution of the contract. Any increase or decrease of quantity of items would be properly justified and approval of the Owner is required to be obtained.

10.0 TERMS OF PAYMENT

The payments under the contract shall be made as per the general conditions of contracts of the bidding documents and the terms of payment under the contract shall be made as follows:

10.1 Progressive payment:

90% (ninety percent) of the construction price component shall be paid on completion and successful commissioning of the transformer.

10.2 Balance payment:

The balance of 10% (ten percent) of the construction price component shall be paid after successful running of transformer for 1 (one) month.

10.3 Invoices for payment shall be submitted to the **Executive Engineer, T&T Division, MePTCL Umiam, Ri -Bhoi District, Meghalaya.**

11.0 EMPLOYMENT OF LABOUR

11.1 The Contractor shall employ, for the works, regular skilled employees with experience for this particular work. No female labourer shall be employed after dark. The 2015 Amendments to the Child Labour (Prohibition and Regulation) Amendment Bill, 2012 shall govern the admissible age of labor engaged.

11.2 All traveling expenses including provisions of all necessary transport to and from site, lodging allowances and other payments to the Contractor's employees shall be the sole responsibility of the Contractor.

11.3 The number of hours of work at the site shall be decided by the Owner and the Contractor shall adhere to it. Working hours will normally be 8 (eight) hours per day, six days per week.

11.4 The Contractor's employees shall wear identification badges while on work at site.

11.5 In case the Owner becomes liable to pay any wages or dues to Labour or any Government agency under any of the provisions of the Minimum Wages Act, Workmen Compensation Act, Contract Labour Regulation Abolition Act or any other law due to acts of omission of the Contractor, the Contractor shall be liable for such payment and the same shall be recovered from the Contractor's bills.

11.6 The Contractor shall be responsible for the safety of his employees at work site and shall issue safety equipments like helmets, etc.

12.0 GUARANTEE

12.1 The Contractor shall warrant that the work executed will be free from defects in materials/ workmanship for a period of 12 (twelve) calendar months commencing immediately upon the satisfactory commissioning. The Contractor's liability shall be limited to the repairing/renewing of any defective portion of the work arising solely from faulty materials and / or workmanship. No repairs or replacement shall normally be carried out by the Owner.

13.0 LIQUIDATED DAMAGES FOR DELAY IN COMPLETION

If the Contractor fails to perform the work within the specified period given in the letter of award or any extension granted thereof, with respect to successful completion, the contractor shall pay to the owner as liquidated damages and not as penalty, a sum of 0.5% (half percent) of the contract price for each calendar week of delay or part thereof. However, the amount of liquidated damages for the contract shall be limited to a maximum of 5 % (five percent) of the total contract price.

14.0 ARBITRATION

Settlement of any dispute arising during the execution of the contract shall be Shillong jurisdiction. The laws applicable to the contract shall be the laws in force in India. The courts of Shillong shall have exclusively jurisdiction in all matters arising under this contract.

15.0 PERIOD OF CONTRACT

The time for completion of the work shall be 60 (Sixty) days from the date of issue of LOA.

16.0 FORCE MAJEURE

16.1 Force majeure is herein defined as any cause which is beyond the control of the contractor or the owner as the case may be, which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

- (i) Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics;
- (ii) Acts of any government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, guarantees and embargo.

16.2 Provided either party shall within 15 (fifteen) days from the occurrence of such a cause notify the other in writing of such causes.

16.3 Neither party shall be liable to the other party for loss or damage sustained by the other party arising from any event referred to in clause or delays arising from such event.

16.4 The owner or its authorized representative on receipt of notification shall ascertain the facts and extent of the delays and suitably extend the time for completing the work or stage of work, wherein in its judgment the findings of facts justify such an extension. The period of extension of time shall be determined by the owner or his authorized representative after taking into consideration the nature of the work delayed and

practicability of its execution during the period of extension. Although the time for completion of a work shall be suitably extended, such extension shall not result in any financial claim of the contractor against the owner on any account whatsoever.

17.0 PROLONGED DELAY

If at any time it appears that the Contractor is unable to adhere to the prescribed time schedule and the delay is not due to, a cause for which the MePTCL is responsible/Force Majeure, or if the aggregate of the liquidated damages levied in terms of the provisions under clause-15 hereof has reached a maximum of five percent of the contract price, then the MePTCL may at its discretion, by further notice to the contractor either:

- (i) require the Contractor to complete the works,
Or
- (ii) may itself complete the works at the Contractor's risk and cost, provided that it does so in a reasonable manner,
Or
- (iii) In the event that compel MePTCL to terminate the contract, the Utility shall be entitled to recover from the Contractor any loss it has suffered.

18.0 PERFORMANCE SECURITY

Within fifteen (15) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security of 5% of the contract value valid for a period of 1 year from the date of issue of LOA, the performance security will be released after successful completion of the remedied any defects found.

Failure of the successful Bidder to submit the above-mentioned Performance Security deposit the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

19.0 MISCELLANEOUS

- 19.1 All tenders shall be strictly prepared and submitted in accordance with the above instructions and terms & conditions.

BID DATA SHEET

Bid Sheet for “Dismantling, transportation, overhauling, erection & installation, painting, testing and commissioning of 132/33kv, 12.5MVA transformer from 132kv Nangalbibra Substation to 132kv grid substation, Sohra along with supply of transformer oil and other accessories”

ABSTRACT

Sl. No.	Items	Unit	Qty	Unit Rate (Rs)	Total Amount inclusive of 18% GST (Rs)	Remarks
1	Dismantling, packing and Transportation 12.5MVA Transformer from 132KV Nangalbibra SS to 132KV Sohra SS	Lot	1			Details in Annexure A
2	Erection and Installation of the 1 no. of 132/33KV 12.5 MVA Transformer at 132VGrid Sohra Substation	Job	1			Details in Annexure B
3	Overhauling including performing of several tests.	Job	1			Details in Annexure C
4	Painting of the 132/33KV 12.5 MVA Transformer	Job	1			Details in Annexure D
5	Supplying of Transformer oil and other accessories of 132/33KV,12.5 MVA Transformer	Job	1			Details in Annexure E

ANNEXURE-A

Bid sheet for Dismantling, packing of the 132/33KV 12.5MVA Transformer at 132KV Nangalbibra Substation and transportation to 132KV Sohra Substation.					
Sl. No.	Description of work	Unit	Rate (Rs)	Quantity	Amount (Rs) inclusive of 18% GST
1	(i) Dismantling of the 132/33KV 12.5 MVA Transformer: Draining of oil into empty barrels, dismantling the conservator tank, radiators, HV and LV bushings carefully and sealing with blanking plate (dummy plate) of the above transformer at Nangalbibra SS.	Per job		1 job	
	Description of work	Distance	Total of dragging wt	Rate per MT/ metre (Rs)	Amount (Rs) inclusive of 18% GST
	(ii) Dragging of 1 no. of 12.5 MVA Power Transformer from the Transformer Pad to the loading point. (distance = 50m) Wt. of Tr = 28.25 MT	50	1412.5		
	(iii) Loading of the above Transformer & accessories like bushing with packing & oil etc at Nangalbibra		28.25		
	(iv) Transportation of the Transformer from Nangalbibra 132KV SS to 132KV Sohra Substation (Distance 225 km)	Transportation wt. in MT	Distance	Rate (Rs)	Amount (Rs) inclusive of 18% GST
	1st 50Kilometer= Rs 50;-	28.25	50		
	2nd 100 Kilometer= Rs 50;-		100		
	50Kilometer= Rs 50;-		100		
	(v) Unloading of the transformer with accessories at 132KV Sohra SS	28.25			
	(vi) Dragging of the above transformer from the unloading point to the plinth (Distance= 50m)	Distance	Total of dragging wt	Rate per MT/ metre (Rs)	Amount (Rs) inclusive of 18% GST
		50	1412.5		
	(vii) Draining of oil in empty barrels and dismantling of accessories like HV, LV bushing ,radiators conservator tank etc.	Per job	1 job		
	Total				

ANNEXURE- B

Bid Sheet for Unpacking of Transformer accessories and installation of 1 no. of 132/33KV
12.5 MVA Transformer at 132/33KV Grid Substation MePTCL Sohra

Sl.No	Particulars	Rate (Rs) inclusive of 18% GST	Amount (Rs)
1	Assembly of Radiators		
2	Assembly of Conservator Tank		
3	Assembly of Fans		
4	Assembly of HV & LV Bushings		
5	Oil Filling including dragging of oil drums, etc		
6	Filtration of Oil		
7	Fitting of wheels		
8	Fitting of MOG		
9	Fitting of Pressure release valve		
10	Fitting of Buccholz GR2		
11	Fitting of oil surge relay		
12	Fitting of WTI and OTI		
13	Fitting of Breathers		
14	Unpacking of Crates		
15	Laying & dragging of Cables		
		Total(Rs)	

ANNEXURE-C

Bid Sheet for Overhauling including performing of several tests of 12.5 MVA
Transformer at 132kV Grid Substation, Sohra.

Sl. No.	Items	Qty	Unit	Rate (Rs) inclusive of 18% GST	Amount (Rs)
1	Draining of oil, dismantling of HV & LV Bushing, jumpers if required, opening of top cover, Physical inspection of active parts, cleaning of all accessories of the transformer like HV & LV bushings, conservator, explosion vent, PRD, MOG, Plain level gauge, buchholz relay, top & inspection cover etc. Paper cover to main lead wherever required. Supply/preparation of all the oil sealing gaskets made from rubberized cork sheet confirming to grade of IS 4253 (part-II) for whole transformer.	1 job	Per Tr.		
2	Hot oil washing/cleaning of core coil assembly for removal of sludge/other foreign particles from core coil assembly & cleaning of main tank internal/bottom off foreign material/sludge etc. as per direction of Engineer in-charge (oil for washing the core coil to be provided by MePTCL) including de-rusting and painting of the transformer.	1 job	Per Tr.		
3	Processing of core coil assembly by Nitrogen gas filing and vacuum drying process including supply of nitrogen gas	1 job	Per job.		
4	Topping up of transformer oil & carrying out dehydration and Filtration under vacuum to get better insulation resistance of the winding and to improve parameter of the transformer oil (Filter machine to be provided by MePTCL free of cost if job to be done at site)	1 job	Per job.		
5	Testing of transformer including IR value, turns ratio, winding resistance, Short Circuit current, Low Voltage Excitation Current test, Magnetic Balance test etc before commissioning of the transformer.	1 job	Per job.		
6	Refitting the all accessories and made it ready for commissioning	1 job	Per job.		
7	Crane if provided by the firm for lifting the top cover if required	LS	LS		
8	Oil sample to be tested at CPRI(Guwahati) and the report to be submitted	Job	1		
9	SFRA Testing	Job	1		
10	TAN Delta Test Windings	No	6		
11	TAN Delta Test Bushing	No	3		
	Total				

ANNEXURE-D

Bid Sheet for Painting of 132/33kV, 12.5MVA Transformer at 132kV Grid Substation, Sohra.

Sl. No.	Particulars	Qty	Unit	Rate (in Rs) inclusive of 18% GST	Amount (in Rs)
1	Removing existing white or colour wash on wall surfaces by sqm 27.00 steel wire brushing and/ or scraping, sand papering and preparing the surface smooth including necessary repairs to scratches complete. <u>Total Area =539.32 Sq.m</u>	539.32	Sqm		
2	Applying priming coat: With ready mixed red oxide zinc chromate primer Of approved brand and manufacture on steel galvanised iron/ steel works Total Area =539.32 Sq.m	539.32	Sqm		
3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	539.32	Sqm		
	Total				

ANNEXURE-E

Bid Sheet for Supplying of Transformer oil and other accessories of 132/33KV,12.5 MVA Transformer at 132/33 KV Grid Substation, MePTCL, Cherra (Sohra)

Sl.No.	Items	Qty	Unit	Rate (Rs) inclusive of 18% GST	Amount (Rs)
1	Transformer oil of petroleum origin suitable for use as an insulating & quenching medium for Power & Distribution transformers.	10.45	Kl		
2	Procurement of HT bushing (145KV, 800A, 650Kvp, 50HZ)	3	No.		
3	MOG suitable for 12.5MVA	1	No		
4	Pressure Release Valve suitable for 12.5MVA	1	No		
5	Buchholz GR2	2	No		
6	Oil surge relay	1	No		
7	WTI for 12.5MVA	1	No		
8	OTI for 12.5MVA	1	No		
9	Breather 7 Kg	1	No		
10	Silica Gel	7	Kg		
	Total				

Signature of the Bidder.