



ORISSA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE EXECUTIVE ENGINEER
CIVIL WORKS DIVISION NO.II, BURLA.

INVITATIONS FOR BIDS (IFB)
Tender Call Notice No. 01/ 2010- 2011

For and on behalf of Orissa Power Transmission Corporation Limited, The Executive Engineer, Civil Works Division No.II, Burla , invites sealed tenders on percentage rate basis in conformity with detailed tender call Notice as per table below from the eligible contractors registered with the State Government and contractors of equivalent grade/class registered in any states PWD/CPWD/MES/Indian Railways for the following work.

SLN O	Name of work	Approx Estimated value of work (Rs)	Additional places for sale and receipt.	EMD	Cost of tender paper	Class of contractor	Period of completion
1	2	3	4	5	6	7	8
1	Construction of compound wall at Grid S/S colony, Baragarh.	Rs.10,74,936/-	CE(civil) OPTCL, BBSR./ E.E.,Civil works Divn. No.II, Burla./ C.W. Sub-Divn., Burla.	1%of the work value.	6000/- +Vat 4%	C&B	6(six) months.
2	Construction of compound wall around the colony of staff Qrs. Side & front side 132 kv. Grid S/S, Sambalpur.	Rs.19,36,946/-	CE(civil) OPTCL, BBSR./ E.E.,Civil works Divn. No.II, Burla./ C.W. Sub-Divn., Burla.	1%of the work value.	6000/- +Vat 4%	C&B	6(six) months.

The Sale and Receipt of Bid documents shall start from 01.06.2010 and close at 2.00P.M on 25.06.2010. Interested firms may visit OPTCL officials website <http://www.optcl.co.in> for detailed tender call notice.

The authority reserves the right to reject any or all the tenders without assigning any reason thereof.

CONTRACTOR

EXECUTIVE ENGINEER

ORISSA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE EXECUTIVE ENGINEER
CIVIL WORKS DIVISION NO.II, BURLA

DETAILED TENDER CALL NOTICE

NAME OF THE WORK

Construction of Compound wall around the colony of Staff Qrs. Side & front side of 132 KV. Grid S/S Sambalpur.

ESTIMATED AMOUNT :- Rs. 19,36,946.00

DATE OF RECEIPT OF TENDER:- 25.06. 2010 UPTO 2.00 PM

ISSUED TO THE TENDERER :-----

ON PAYMENT OF -----RUPEES -----

VIDE MONEY RECEIPT NO-----DT. -----

SIGNATURE OF OFFICER AND SEAL

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EXECUTIVE ENGINEER



ORISSA POWER TRANSMISSION CORPORATION LIMITED

OFFICE OF THE EXECUTIVE ENGINEER
CIVIL WORKS DIVISION NO.II, BURLA

DETAILED TENDER CALL NOTICE

1. Sealed percentage rate tenders are invited from the registered PWD 'B' & 'C' class contractors in prescribed form to be eventually drawn in PWD form No. F₂ will be **received** by the Chief Engineer (Civil), OPTCL, Bhubaneswar / Executive Engineer Civil Works Division No.II, Burla / S.D.O., Civil Works Sub-Division, OPTCL, Burla, up to **2.00 PM** on **dtd. 25.06.2010** for the work "**Construction of compound wall around the colony of staff Qrs. Side & front side of 132 KV. Grid S/S Sambalpur.**" and will be **opened** by the Executive Engineer Civil Works Division No.II, Burla in the presence of the tenderer or their authorized agent on **dtd. 28.06.2010 at 11.30 A.M.** The amount of the estimate is approximately **Rs.19,36,946/- (Rupees Nineteen lakhs thirty six thousand nine hundred forty six)only.**

2. The tenderer should please note that the work will have to be completed within 3(three) months commencing from the date of issue of work order. Tenderer are required to submit detailed programme of works along with the tenders which they consider necessary keeping in view of the clause 2 of the P.W.D form No.F-2. Without these programmed of works, the tender will be considered defective. Authority for acceptance of tenders would rest with the Chairman –Cum – Managing Director OPTCL. Bhubaneswar / Chief Engineer (Civil), OPTCL, Bhubaneswar / Executive Engineer, Civil Works Division No.II, Burla.

3. **Tenderer** are required to pay Earnest Money @ 1% of the estimated cost i.e. Rs.19,400/- in shape of N.S.C / KVP./ postal savings pass book duly pledged in favour of the Executive Engineer Civil Works Division No.II, OPTCL, Burla along with the tender documents other wise their tender will not be considered.

The Earnest Money will be refunded to the un-successful tenderer on application as per the terms and conditions laid down in OPWD code and the same will be retained in case of successful tenderer and will not carry any interest.

4. (a) The plan and specification for the work can be seen in the office of the Executive Engineer, Civil Work Division No.II, OPTCL, Burla during working hours and days. Complaints at a future date that the plan and specifications have not been seen can not be entertained. The contractor may obtain a set of tender documents for the work from the office of the Chief Engineer

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(Civil), OPTCL, Bhubaneswar / Executive Engineer, Civil Work Division No.II, OPTCL, Burla, S.D.O. Civil Works Sub-division, OPTCL, Burla on payment of **Rs.6,000/- + 4% VAT** (Rupees six thousand two hundred forty only) **(non refundable)** for each of the tender papers. The amount is not refundable. The tender must be submitted in a sealed cover. The name of the tenderer and the name of the work are to be superscripted on the cover.

(b) Down loading from the Official web site:

The specification, schedule, form F-2 and drawings can also be down loaded from official website of OPTCL, and the same may be submitted along with the cost of tender document by way of demand draft / pay order for Rs.10,000/- + 4% Vat payable to Executive Engineer, Civil Works Division No.II, Burla in a separate envelop marked as cost of bidding documents downloaded from the Internet at the time of submission of tender document. In case any deviation is found in the tender document submitted by the tenderer from the content mentioned in our website and / or non-submission of cost of tender documents, the tender shall liable to be rejected at any stage of the contract. The Tenderer s have to indemnify OPTCL for any loss accruing due to such alteration in the terms and conditions of the tender document and / or for such alteration, resulting in the cancellation of the contract. Tender specification downloaded from OPTCL official web-site may not be taken as 100% correct due to web-site technical difficulties. So it is advisable to purchase hard copies from the notified offices.

(c) All other information can be obtained on application to the Chief Engineer (Civil),OPTCL, Bhubaneswar/ Executive Engineer, Civil Work Division No.II, OPTCL. Burla

(d) The intending tenderer may remit the cost of tender papers through postal money order. However, the deptt. will not be held responsible, if there is any delay in receipt of tender documents by the intending tenderer sent by deptt. through registered post and similarly if the tender documents sent by the intending tenderer through registered post don't reach in the division officer by the appointed date and time, their offers will not be considered on any account even if the tender documents were dispatched by the tenders before the due date. The cost of registration fees to and fro will be borne by the intending tenderer.

5. The C.M.D., OPTCL, Bhubaneswar / Chief Engineer (Civil) OPTCL, Bhubaneswar/ Executive Engineer, Civil Work Division No.II, OPTCL Burla reserves the right to reject any or all the tenders received without assigning any reason thereof.

6. The tenderer whose tender is selected for acceptance and who have no fixed deposit with the Executive Engineer Civil Works Division No.II,OPTCL, Burla shall within a period of seven days upon written intimation being given to him of acceptance of his tender make an initial security deposit of 1 % (one percent) of the tendered amount over and above so that the earnest money and initial security deposits will be 2% (two percent) of the tendered amount as shown in clause 3 above and sign the agreement in the PWD Form F₂ (Schedule XLV No. 61) for the fulfillment of the contract, in office of Executive Engineer, Civil Work Division No.II,OPTCL, Burla. This security deposit, together with the Earnest Money and the amount with held according to the provision of F₂ agreement shall be retained as security deposit for due fulfillment of this contract. Failure to enter into the required agreement and to make the security deposits, as above shall entitle forfeiture of the earnest money. No tender shall be finally accepted until, the required amount of security is deposited. The written agreement to be entered into between the contractor and the OPTCL, shall be the foundation of the right of both the parties and the contract shall be deemed to be incomplete until the agreement has first been signed by the contractor and then by the proper officer authorized to enter into the contract on behalf of the OPTCL. The department will accept the security deposit in the form of National Saving Certificate, N.D.C. State Government Loan Bonds, Postal time deposit Pass Books, Kissan Vikash Patra, duly Pledged to the Executive Engineer, Civil Works Division No.II,Burla and in no other form. In case the tenderers who have made fixed

deposit, action will be taken to degrade them if they decline to sign the agreement within the period as in above case.

7. The rates should be quoted in words & figures and the units in words otherwise the tender will be liable for rejection. In case of discrepancy between word and figures the words shall prevail (and in case of discrepancy between units, rates and total, the unit rates shall prevail. The rates should be quoted in Rupees and paise, but not in Rupees and Annas. The tenders shall be written legibly and free from erasures, over writings or conversions of figures. Corrections where unavoidable should be made by scoring out, initialing, dating and rewriting. The tender should also show total of each page and grand total of whole tender.

8. The contractor will be responsible for payment of all royalties or other charges for quarrying materials. All local taxes inclusive of State VAT and Income Taxes, Centroid charges, Ferry & Tollage charges, are to be paid by the contractor.

9. The tender may not at the discretion of the competent authority be considered unless accompanied by attested true copy of the VAT clearance certificates, Income Tax Clearance certificate, Non-assessment Certificates, PAN, valid contractor registration certificate, Service Tax registration certificate as the case may be and the original certificate produced before the Executive Engineer, Civil Works Division No.II, OPTCL, Burla at the time of opening of tenders.

10. If the contractor removes any materials or stock so supplied to him from the site of work with a view to disposing of the same dishonestly, he should in addition to any other liabilities Civil or Criminal arising out of the contract be liable to pay a penalty equivalent to five times the price of the materials or stock according to the stipulated rates and the penalty so imposed shall be recovered from any sum that may then or at anytime thereafter become due to the contractor or from his security or from the proceeds of sales thereof.

11. The contractor should be fully liable to indemnify the department for payment of any compensation under Workmen's Compensation ACT-VIII of 1923 on account of the workmen being employed by him & the full amount of compensation paid will be recovered from the contractor.

12. Every tenderer must examine the detailed specification of Orissa before submitting his tender. The right is reserved without impairing the contract to make such increase or decrease in the quantities of items of work mentioned in the schedule attached to the tender notice as may be considered necessary to complete the work fully and satisfactorily. Such increase or decrease shall in no case invalidate the contractor's rate. It shall be definitely understood that the OPTCL. does not accept any responsibility for the correctness or completeness of the quantities shown in the schedule. The schedule is liable to alteration by omission or addition or deductions and such omission or deduction shall in no case invalidate the contract and no extra monetary compensation will be entertained.

13. No departmental material will be supplied to the Contractor from department stores.

14. All reinforced cement concrete work should conform to Orissa Detailed standard Specification and should be grade M-150 and M-200 equivalent to nominal proportion (1:2:4) or (1:1½:3) having a minimum compressive strength (in work test) 150kg/cm² / 200kg./cm² in 15cm, cubes at 28 days after mixing and test conducted in accordance with IS 456 and IS 516 using 12mm to 20mm size black hard crusher broken granite chips (20 mm size not to exceed 25%).

15. Shuttering and centering shall be with seasoned Sal wood planks the inside of which shall be lined with suitable sheeting and leak proof and water tight or alternatively steel shuttering and centering may be used.

16. The selected contractor may take delivery of departmental supply of materials accordingly to his need for the work issued by the Sub-Divisional Officer-In-charge of the work. The contractor shall make all arrangements for proper storage of materials. But no cost for raising shed for the storage of materials and pay of watchman etc, will be borne by the Department. These are all to be

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borne by the contractor. The department is not responsible for considering the theft of materials at site. It is contractor's risk. Under any such plea if the contractor stops the work, he shall have to pay the full penalty as per clauses of the F2 contract.

17.For the purpose of jurisdiction in the event of dispute if any contract should be deemed to have entered into within the state of Orissa and it is agreed that, neither party to the contract nor the agreement will be competent to bring a suit in regard to the matters covered by this contract at any place outside the State of Orissa.

18.After the work is finished all surplus materials and debris are to be removed by the contractor and preliminary works such as vats mixing platform etc. are to be dismantled and all the materials are to be removed from the site. The ground upto 15 M (50.08 foot) wide from the building should be cleared and rough dressed. No. extra payment will be made to the contractor on this account. The rate quoted should be inclusive of all these items.

19.The contractor shall not interfere with the execution of water supply or electrical fittings arrangements and any other works entrusted to any other agency by the Department at any time during the progress of the work.

20.The department will have the right to inspect the scaffolding and centering made for the work and can reject partly or fully such structures if found defective in their opinion.

21.The contractor will have to arrange for water supply for all works and make sanitary arrangements at his own cost for his labour camps. Contractor has to arrange adequate lighting arrangements for night works whenever necessary at his own cost.

22.Baling out water from the foundation either rain water or sub soil water if necessary should be borne by the contractor. No payment will be made for bench marks, level / pillars, profiles and benching and leveling ground where required. The rates quoted should be for finished items of work inclusive of those incidental item of works.

23.All the quantities mentioned in the schedule are combined for ground floor and multi-floor in case of multi-stored building and the rates should be through for the same unless otherwise mentioned in the schedule of quantity for individual items separately in floor wise.

24.Cement concrete in roof slabs, beams etc. wherever prescribed by the Engineer in charge shall be machine mixed and vibrated and the contractor should arrange his own concrete mixer, vibrator, pumps etc. for the purpose.

25.It should be understood clearly that no claims whatever will be entertained.

26.The tenderer shall have to abide by the C.P.W.D safety code rule introduced by the Govt. of India, Ministry of Works, Housing and Supply in their standing orders No.44 to 50 dtd25.11.57 which can be seen in the office of the Chief Engineer(civil), OPTCL, Bhubaneswar / Executive Engineer, Civil Works Division No.II, OPTCL,Burla during working hours and days.

27.Tenders are required abide by the fair wages clause as introduced by the Govt.

28. The dept. will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractors shall use such materials without any controversy or dispute on that account. The rate of such materials will be at the stock issue rates fixed by the Department plus storage charged or market rates whichever is higher.

29.The contractor will be responsible for the loss or damage if any, Departmental materials equipments supplied to him under clause 28 during execution of the work due to reasons whatsoever and the cost of such materials will be recovered from him at the prevailing stock issue rates plus storage charged or market rates whichever is higher.

30.The contractor should arrange at his own cost necessary tools and plants, pumps, vibrator, concrete mixer etc, required for the efficient execution of the work and rates quoted should be inclusive of the running charges of such plant & cost of consumable.

31.The Contractor will have to submit to the Executive Engineer, Civil Works Division Burla monthly return of labour both skilled & unskilled employed by him on the work.

32.The tenderers are required to go through each clause of P.W.D.form F-2 carefully in addition to clauses mentioned herewith before tendering.

33.No part of the contract shall be sublet without written permission of the Executive Engineer, or transfer be made by power of attorney authorising others to receive payment on the contractor's behalf.

34.No tender document will be sold to the intending tenderers on the date of opening of the tender.

35.If any further necessary information is required, the Executive Engineer, Civil Works Division No.II, OPTCL, Burla will furnish such, but it must be clearly understood that tenders must be received in order and according to instructions.

36.Cement shall be used by bags and weight of one cubic meter of cement being taken as 14.42 quintal.

37.In the event of any delay due to department in the supply of Departmental materials or supply of detailed structural designs for unavoidable reasons, reasonable extension of time will be granted on the application of the contractor. But no claim for monetary compensation will be entertained under any such circumstances, for which a no claim undertaking has to be furnished by the contractor in the prescribed proforma along with the application form extension of time submitted by him.

38.No contractors will be permitted to furnish their tender in their own manuscript papers.

39.Every tenderer is expected before quoting his rates to inspect the site of proposed work. He should also inspect the quarries and satisfy himself about the quality, availability of materials, medical aids, labour and food stuffs etc. and the rates should be inclusive of all these items of work. In every case the materials must comply with the relevant specification and samples of stones, metals, chips etc. and other materials to be used are to be deposited in sealed bags duly leveled nothing the name of quarry under dated initials by the tenderer for approval of the Executive Engineer Civil Works Divn.No.II, OPTCL, Burla.

40.The Department will not however after acceptance of contract rate pay any extra charges for lead or any other reason in case the contractor is found later on to have misjudged the materials available.

41.All fittings for doors and windows if supplied by the contractor should be of best quality and should be got approved by the Executive Engineer, Civil Works Divn.No.II, OPTCL, Burla before they are used on the work.

42. The tenders containing extraneous conditions not covered by the tender call notice are liable for rejection.

43.(a)The contractor shall have to furnish a certificate in the prescribed proforma enclosed herewith along with tender to the effect that he is not related to any officer of OPTCL of the rank of Assistant Engineering and above of the organization.

43.(b) CERTIFICATE OF NO RELATIONSHIP

I / We hereby certify that I/We am/are not related to any Officer of OPTCL. of the rank of Assistant Engineer and above and any officer of the rank of Assistant Engineer / Manager and above of the OPTCL I / We am / are also aware that if the facts subsequently proved to be false my / our contractor will be rescinded with the forfeiture of E.M.D and total security deposit and I/We shall be liable to make good of the loss or damage resulting from such cancellation.

I / we also note that is case of non-submission of this certificate with tender my /our tender is liable for rejection.

Date:-

Signature of Tenderer.

44.All the tenders received will remain valid for a period of 120 (one hundred twenty) days from the date of receipt of the tenders. The period of validity of tender can also be extended if agreed by the contractor and the department.

45.After completion of the work the contractor shall arrange at his own cost all requisite equipments for testing building if found necessary and bear the entire cost of such test.

46. Tenderer are required to submits (1) a list of works in their hand in the prescribed proforma here with, (2) the list of T & P, (3) list of works executed in their prescribed proforma enclosed here with along with the tender.

47.GOVERNMENT OF ORISSA FINANCE DEPARTMENT.

(Memo No.48443/F-Code-46/95, dated 11.12.1995 regarding “Discontinuance of the system of procurement of stock by Engineering Department”)

X

X

X

2. *With a view to avoiding these situations Govt. have been pleased to decide that with effect from 01.04.1996 there will no purchase of departmental store materials nor booking of materials to show utilization of budget provision. It will be the responsibility or the contractor to purchase stores and utilize them in the work since materials like cement, steel etc... are easily and abundantly available at all the places, there will be no difficulty for contractors to procure the same. Therefore the future agreement with the contractors shall be executed accordingly and necessary modification to the agreement form may be made. In case where agreement have already been executed for departmental supply of materials, efforts should be made to fulfill the same by utilization to the existing stores and also through inter divisional and even inter departmental transfer of stores. For utilization of the surplus materials, agreements may however be made for supplying materials to the extent available. In this way the existing materials should be exhausted.*

3. *Maintenance work should be undertaken by purchasing materials in case of departmental execution of work by directly charging to site account or through contractors. There should not be advance purchase of materials for the sake of storing and utilizing the same in future works. No items of stores should be purchased which are available in the Central Store. Therefore, before effecting such purchases a certificate from the central store has to be obtained regarding non-availability of the particular items of stores.*

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4. Consequent upon introduction of the new system the Engineer-in-charge of the work will have to exercise strict quality control and ensure that materials used by the contractors conform to the standard specifications.

X

X

X

6. Stock taking of the existing materials available in the store should immediate be made and circulated among the division of the sake of inter divisional transfer, where-ever necessary periodically till the stocks are exhausted

6. a) **CERTIFICATE OF LIST OF WORKS IN HAND**

I/ We do hereby certify that at present the following works are in my/ our hand.

Sl. No .	Particulars of Work now in hand.	Amount of each work	Period in which the work in stipulated to be completed (in months)	Approx. value of work done against each work on the date of submission of tenders.	Department under which the work is being taken up.
(1)	(2)	(3)	(4)	(5)	(6)

I/ We also note that, non-submission of this certificate will render my/ our tender liable for rejection.

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Date:

Signature of the tender

b) CERTIFICATE OF LIST OF WORK EXECUTED.

I/We do hereby certify that the following works have been executed by me/ us in the past.

Sl No.	Particulars of works already executed	Approx amount of each work.	Name of dept. under whom the works were executed.	Period of commencement and period of completion	Whether the works were completed in stipulated period.
(1)	(2)	(3)	(4)	(5)	(6)

I/ We also note that non-submission of this certificate will render my/our tender liable for rejection.

Date:

Signature of the tender.

6. C) CERTIFICATE OF TOOLS & PLANTS.

I/ We do hereby certify that the following tools and plants, machinery and vehicles are my/our possession in working orders.

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)
- (vii)

I/ We also note that non-submission of this certificate will render my/ our tender liable for rejection.

Date.

Signature of tenderer

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d) In Tender Call Notice (N.I.T) Contractors shall be asked to furnish report in the following proforma duly certified by the Executive Engineer under whom has executed works in order to judge their past performance.

PERFORMANCE RECORD OF CONTRACTORS

1. **Name of the Contractor:-**
2. **Registration No. & Date:-**
3. **Class of Contractor:-**
4. **License Authority:-**
5. **License valid up to:-**
6. **Details of Works Executed:-**

Sl. No.	Jobs under execution	Agreement Amount	Date of commencement	Stipulated date of completion	Whether work is progressing as per programme	Reasons for delay if any

7. Whether the contractor has requisite machineries and personnel deployed (details of machinery) and personal deployed):
8. Whether the quality of construction is satisfactory:
9. Whether he has capability to make good the loss time:
10. Whether the contractor has abandoned any work in the past three years, if yes, the details thereof:
11. Whether the contractor has entered into any litigation in the past if yes the details thereof:
12. Name of the certifying officer with official seal.
48. Letters etc, found in the Tender box, raising or lowering rates or dealing with any point in connection with the tender will not be considered.
49. All reinforced cement concrete work like Lintels, Column, Beam, Chajja, Roof Slab other such works should be finished smooth no extra charges for plastering if required shall be paid by department.
50. **Tenderer** may at their opinion quote reasonable rate for each item of work carefully so that the rate for one item should not be unworkable low and the others too high.
51. **Employment of Engineering personnel.**

The contractor shall employ one or more Engineering Graduates or diploma holders as apprentices at his own cost for works costing Rs. 2.50 Lakhs or more. The apprentices will be selected by the OPTCL , The stipend to be paid to the apprentices should not be less than Rs.200

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and Rs.150 per month in case of Graduate Engineer, Diploma holder Engineer respectively. The period of employment will commence within one month after the date of issue of work order and would last till the date when 90% of the work is completed. Number of apprentices employed should be fixed by the OPTCL in any manner so that the total expenditure does not exceed one percent of the tendered cost of the work (vide works and transport deptt. No.17331 dt.12.8.1966)

52. The tenderer shall bear cost of various incidental sundries and contingencies necessitated by the work falling within following or similar category.

53. (a) Rent, royalties and other charges of materials, Octroi duty, all other taxes including VAT, ferry, tolls, conveyance charges and other cost on account of land and buildings including temporary buildings required by the tenderer for collection of materials, storage housing of staff or other by the tenderer for purpose of the work. No. rent however be payable to OPTCL for temporary occupation of land owned by OPTCL at the site of work.

(b) Labour camps and huts necessary to a suitable scale including conservancy and sanitary arrangements thereon to the satisfaction of the local health authorities.

(c) Suitable water supply including pipe water supply wherever available for the staff and labour as well as for works.

(d) Fees and dues hired by Municipal, Canal & Water supply authorities.

(e) Suitable equipments and wearing apparatus for the laborers engaged in risky operation.

(f) Suitable fencing, barriers, signals including paraffin and electrical signal where necessary at works and approaches in order to protect the public and employees from accidents.

(g) Compensation including cost of any suit for injury to persons or property due to neglect of any major precautions also sums which may become payable due to operation of workman's compensation Act.

(h) The contractor has to arrange adequate lighting arrangements for night works wherever necessary at his own cost.

(i) The contractor has to arrange all the building materials including the equipments required for under reamed pile foundation for starting the work.

54. Taxes 2% or (as applicable) of the gross amount on bill and surcharge as applicable will be deducted from the contractor's bill towards income tax. For the gross contract value of Rs.1.00 lakh and above, the VAT will be deducted @ 4% or (as applicable) from the bill of contractor.

55. (a) "If during the progress of the work the price of any materials incorporated in the work (not being materials supplied from the Engineer-in-charge's store) in accordance with Clause there of increases or decreases as a result of increase or decrease in the average wholesale price Index (all commodities), and the Contractor there

upon necessarily and properly pays in respect of that material (incorporated in the work) such increased or decreased price, then he shall be entitled to reimbursement or liable to refund, quarterly, as the case may be such an amount as shall be equivalent to the plus or minus difference of 75% in between the average wholesale price Index (all commodities) which is operative for the quarter under consideration and that operated for the quarter in which the tender was opened as per the formula indicated below.

Formula to calculate the increase or decrease in the price of materials

Formula to calculate the increase or decrease in the price of materials.

$$V_m = 0.75 \times \frac{P_m}{100} \times R \times \frac{(i - i_0)}{i_0}$$

V_m = Increase or decrease in the cost of work during the quarter under consideration due to changes in the price of materials.

R = The value of work done in rupees during the quarter under consideration.

i_0 = The average Wholesale Price index (all commodities) for the quarter in which the tender was opened (as published in R.B.I bulletin from time to time).

i = The Average Wholesale price index (all commodities) for the quarter under consideration.

P_m = Percentage of material component as per sub clause of this Clause.

(b) Similarly, if during the progress of works, the wages of labour increase or decrease as a result of increase or decrease in the Minimum Wages for labour prescribed by the Government and the contractor there upon necessarily and properly pays in respect of labour engaged on execution of the work such increased or decreased wages then he shall be entitled to reimbursement or liable to refund quarterly as the case may be such an amount, as shall be equivalent to the plus or minus difference of 75% in between the Minimum wages for labour which is operating for the quarter under consideration and that operated for the quarter in which the tender was opened as per the formula indicated below.

Formula to calculate the increase or decrease in the cost of labour

$$V_l = 0.75 \times \frac{PL}{100} \times R \times \frac{(l - l_0)}{l_0}$$

V_l = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates labour.

R = The value of work done in rupees during the quarter under consideration.

l_0 = The minimum wages for labour prevailed during the quarter in which the tender was opened.

I = The minimum wages for labour prevailed during the quarter under consideration.

PI = Percentage of labour component as per Sub Clause.

(c) Similarly, if during the progress of work the price of petrol, oil and lubricants (Diesel) oil being the representative item for price adjustment) increases or decreases as result of the price fixed therefore by the Government of India and the contractor there upon necessarily and properly pays such increased or decreased price towards Petrol, Oil and Lubricants used on execution of the work, then he shall be entitled to reimbursement or liable to refund, quarterly as the case may be such an amount as shall be equivalent to the plus or minus difference of 75% in between price of P.O.L which is operating for the quarter under consideration and that operated for the quarter in which the tender was opened as per the formula indicated below.

Formula to calculate the increase or decrease in the price of P.O.L

$$KI = .0.75 \times \frac{K_2}{100} \times R \times \frac{(D_2 - D_1)}{D_1}$$

KI = Increase or decrease in the cost of work during the quarter under consideration due to changes in the price of P.O.L

R = The value of work done in rupees during the quarter under consideration.

D₁ = Average price per liter of diesel oil which is fixed by the Government of India during the quarter in which the tender was opened.

D₂ = Average price per liter of diesel oil which is fixed during the quarter under consideration.

K₂ = Percentage of P.O.L component (as per sub-clause of this clause).

(d) The following shall be percentage of materials, labour and P.O.L component for reimbursement / refund on variation in the price of material, labour and P.O.L as per sub-Clause (a), (b) and (c) of this clause.

Category Of works	Contractor's supply			Departmental supply of materials
	% of materials	% of Labour	% of P.O.L	
1	2	3	4	5

IRRIGATION WORKS:

A) Structural works 20% 30% 5% 45%

B) Earth work, canal work,

Embankment work etc. 20% 60% 5% 15%

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(R&B) WORKS:

a) Bridge works	20%	30%	5%	45%
b) Road work	45%	40%	5%	10%
c) Building work *	30%	30%	5%	35%

(* Where brick is supplied by the Department, it should be 20% instead of 30%)

e) Reimbursement / refund on variation in price of materials, labour and P.O.L. as per sub-clause (a), (b) & (c) of this clause shall be applicable only in respect of contract of one year or more provided that the work has been carried out within the stipulated time or extension thereof as are not attributable to contractor. However where the original contractual period is less than one year but subsequently it has been validly extended and the period becomes one year or more escalation clause shall be applicable only for the balance portion or work to be executive beyond one year provided the delay is not attributable to the contractor.

f). The contractor shall for the purposes of sub-clauses (a),(b) and (c) of this clause keep such books of account and other documents as are necessary to show that the amount of increase claimed or reduction available and shall allow inspection of the same by a duly authorized representative of OPTCL and further shall at the request of the Engineer-in-charge furnished, verified in such a manner as the Engineer-in-charge may require any document kept and such other information as the Engineer-in-charge may require.

The contractor shall within a reasonable time of his becoming aware of alteration in the price of such material, wages of labour and or price of P.O.L give notice thereof to the engineer-in-charge stating that the same is given pursuant to this conditions together with an information relating there to which he may be in a position to supply.

56. Under section 12 of contract labour Regulation and Abolition act 1970, the contractor who undertakes execution of work through labour should produce valid license from the licensing authority of labour department.

57. The K.B. Brick should be well burnt and of good qualities. The Brick should be approved by the Engineer in charge before use in the works and should confirm the minimum strengthen as per National building Code.

58. When departmental machinery will be utilized in the work by the contractors necessary and prevailing hire charges as fixed by the department will be recovered from the contractor who may see the hire charges of the machinery in the office of the Executive Engineer, C.W.Divisin No.II,OPTCL, Burla.

59. Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.

60. If the contractor quotes abnormally low rates for some items and the department decides to accept his tender then the department would have a direction of withholding the differential cost between the amount of low rated items and corresponding estimated amount from their payment due against other item till such low rated items are completed in full as per approved specifications to the full satisfaction of the Engineer-in-charge.

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61. "Special class" contractor shall employ under him one Graduate Engineer & two Diploma Holders belonging to the State of Orissa likewise 'A' class contractor shall employ under him one Graduate Engineer or two Diploma Holders belonging to the State of Orissa.

The employment of such Graduate Engineers and Diploma Holders under the contractor shall be full time and continuous and they shall not be superannuated, retired, dismissed or removed personnel from any State Government or Central Govt. service/Public Sector undertaking/Private Companies and firms or is ineligible for appointment to Govt. Service. The contractor shall pay them monthly emoluments which shall not be less than the emoluments of the personnel of the equivalent qualification employed under the State Govt. of Orissa. The Director (Engineering) OPTCL, may however, assist the contractor with names of such unemployed Graduate Engineers and Diploma Holders if such help is sought for by the contractor.

The names of such engineering personnel appointed by the contractor should be intimated to the tender receiving authority along with each tender as to who would be supervising the work.

Each bill of the special class or 'A' class contractor shall be accompanied by an employment Roll of the Engineering personnel together with a certificate of the Graduate Engineer or Diploma Holder so employed by the contractor to the effect that the work executed as per the bill has been supervised by him.

The special and 'A' Class contractor are required to submit the certificate of employment of unemployment Graduate Engineer, Diploma holders in the prescribed proforma in a separate sheet.

62. Payment of all RCC work under any RCC item will be made on the total quantity of such RCC item of work less volume of steel in the RCC.

63. The contractor has to arrange the samples of materials required for execution to be got tested and approved by the Department before taking up the work and during course of execution required from time to time. All such sample are to be tested at Govt. test house & Central Research Laboratory, Bhubaneswar at the cost of the contractor with no extra cost of the Department.

64. If there is any damages to the work due to the natural calamities like flood or cyclone or any other cause during the course of execution of work or up to 6 months after completion of work or if any imperfection becomes apparent to the work within 6 months from the date of final certificate of completion of work the contractor shall make good to all such damages at his own cost with no extra cost of the department. No claim whatsoever in this regard will be entertained.

SAMPLE OF ALL MATERIALS.

65. The contractor shall supply sample of all materials required for use in the work before procurement for testing and acceptance as may be required by the concerned Executive Engineer.

66. Additional performance security

(i). Additional performance security shall be deposited by the successful bidder when the bid amount is seriously unbalanced i.e. less than the estimated cost by more than 10%. In such an event, the successful bidder will deposit the additional performances security to the extent of the differential cost of the bid amount and 90% of the estimated cost in shape of Post Office Savings Bank Account/ National savings Certificate/ Post Office Time Deposit Account/ Kissan Vikash Patra / Deposit Receipt of Schedule Bank in favour of Executive

Engineer Civil Works Division No.II, OPTCL, Burla. (Authority: Works Deptt. Letter No.Codes- 1/2004-1220/W 19.1.2004).

(ii) The successful bidder will give under taking that, if he/she will not complete the work as per specification, his/her EMD. & Security will be forfeited and he/she will be debarred from the future OPTCL. Works.

67. An affidavit shall be furnished by the contractor at the time of submission of tender paper about the authentication of tender documents including Bank Guarantee.

The Bank guarantee shall be executed in stamp paper worth Rs.50/- or any other amount as per the Orissa Stamp Duty Act and shall be form a scheduled Bank in the prescribed form of OPTCL. OPTCL shall pay no interest on the security deposit. In case of non-fulfillment of contractual obligations by the contractor the security deposit shall be forfeited by encashment of the B.G.

68. **Service Tax**

The rates quoted must be inclusive of Service Tax as applicable and no extra cost towards Service tax shall be reimbursed.

PROFORMA FOR BANK GUARANTEE

In consideration of the Chairman & Managing Director, Grid Corporation of Orissa Ltd. (hereinafter called "OPTCL") having agreed to exempt M/s hereinafter called the said contractors' from the demand under the terms and conditions of an agreement No. _____ dated _____ made between _____ and _____ for (hereinafter called "the said agreement") of security deposit for satisfactory performance of materials (as detailed in the said agreement) and for the due fulfillment by the said contractor(s) of the terms and conditions contained in the said agreement, on production of a Bank Guarantee for Rs. _____ (Rupees _____) only, we _____ (_____ bank (hereinafter referred to as "the [indicate the name of the bank] bank") at the request of _____ contractor(s) do hereby undertake to pay to OPTCL, an amount not exceeding Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered or would be caused to or suffered or would be caused to or suffered by OPTCL by reason of any breach by the said contractor(s) of any of the terms or conditions contained in the said agreement.

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2. We _____ Bank do hereby undertake to

[indicate the name of the Bank]

pay the amounts due and payable under this guarantee without any demur, merely on a demand from OPTCL stating that the amount claimed is due by way of loss or damage caused to or would cause *to* or suffered by OPTCL by reason of any breach by the said contractor(s) of any of the terms or conditions contained in the said agreement or by reasons of the contractor(s).

NOTE FOR TENDERERS :

[Not to be typed in the Bank Guarantee]

To be furnished in on-judicial stamp paper of Rs. _____

Applicable as per Orissa Stamp Duty Act from any Nationalized / Scheduled Bank.

3. We, the _____ do hereby further undertake

[indicate the name of the Bank]

to pay the amounts due and payable under this guarantee without any demur, merely on demand from OPTCL stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by OPTCL by reason of any breach by the said contractor(s) of any of the terms or conditions and failure to perform said Bid. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

_____.

4. We undertake to pay to OPTCL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding instituted/pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

5. We, the _____ further agree that the guarantee

[indicate the name of the bank]

herein contained shall remain in full force and effect during the aforesaid period of _____ days _____ and it shall continue to be so enforceable till all the dues of OPTCL under or by virtue of the said Bid have been fully paid and its claims satisfied or discharges or till Chairman and Managing Director, Grid Corporation of Orissa Limited certifies that the terms and conditions of the said Bid have been fully and properly carried out by the said contractor(s) and accordingly discharge this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

6. We, the _____ further agree with the Board

[indicate the name of the bank]

that OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Bid or to extend time or performance by the said contractor(s) from time to time or to postpone for any time or from time to time only of the powers exercisable by OPTCL against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Bid and we shall not be relieved from our liability by reason of any such variation postponement or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of OPTCL or any indulgence by

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OPTCL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

7. This guarantee will not be discharged due to the change in the name, style or constitution of the Bank of the contractor(s).

8. We _____ lastly undertake not to revoke this
[indicate the name of the bank]

guarantee during its currency except with the previous consent of OPTCL in writing.

Dated, the _____ day of _____

WITNESS: (SIGNATURE WITH NAME AND ADDRESS)

1.

2.

For _____

[indicate name of Bank]

TENDER SCHEDULE

To be used as prescribed tender form

Name of the work :-Construction of compound wall around the colony of staff qrs. Site & front site of
132/33 KV. Grid S/S Sambalpur.

Estt. Approved by C.M.D., OPTCL, BBSR.

Estt. Cost put to tender : Rs.19,36,946/-

E.M.D. To be Pledged – 1% Rs.19,500/-

Estimate Sanctioned By Director Engineer,OPTCL

Cost of Tender paper - Rs.6000/- + 4%

VAT

vide No.1542 dt.30.06.2009.

Class of Contractor - B & C.

Time of Completion - 6(six) months.

Sl.No.	Description of work	Quantity	Unit	Estimate Rate		Amount
				In Figure	In Words	
01	Earth work in excavation of foundation trenches in all kinds of soil including moo rum stony earth and earth mixed with boulder except sheet rocks and boulders requiring blasting including dressing and leveling the bed up to the required depth and depositing the excavated materials with all leads and lifts T&P shoring and shuttering, dewatering if required etc. complete as per the direction of the Engineer-in-Charge.	98.98	One hundred Cum.	Rs.4182.95	(Rupees four thousand one hundred eighty two and paise ninety five)only	Rs.4,140.28

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02	Supplying all labour with T&P for filling foundation and plinth with sand including watering , ramming, cost, conveyance, royalties and taxes of all materials and cost of all labour with t&P required for the work etc. complete (measurement will be taken on finished complete section only) as per the direction of the E.I.C	8.94	Each Cum.	Rs.199.25	(Rupees one hundred ninety nine and paise twenty five)only	Rs.1,781.30
03	Cement concrete with 1:4:8 in foundation and floors (i.e. below the base course of terrazzo flooring) using 40mm (1½") size black hard crusher broken granite stone metal of approved quality from approved quarry including lower laying concrete watering and curing etc. complete to required level laid in layers not exceeding 150mm (6") thick including cost, conveyance royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects as per the direction of the Engineer-in-Charge.	8.94	Each Cum.	Rs.2,132.04	(Rupees two thousand one hundred thirty two and paise four)only	Rs.19060.44
Sl.No.	Description of work	Quantity	Unit	Estimate Rate		Amount
				In Figure	In Words	
04	R.C.C. work in CC (1:1/2:3) - M-20 grade in column base and footing and column stem up to plinth level having a minimum compressive strength (in work test of 200 Kg per cm2 in 15 CM cubes at 28 days after mixing and test conducted in accordance with I.S. 456 and IS 516 using 12 mm to 20 mm size hard black crusher broken granite stone chips) (20mm size not to exceed 25 %) including hoisting ,lowering, laying and compacting concrete by using concrete mixture , vibrators and similar equipments and tools and plants with watering and curing for 28 days including centering , shuttering and finishing the exposed surfaces smooth providing grooves or beads where necessary including cost ,conveyance,royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects but excluding the cost of M.S rods or tor steel and binding wires and labour charges for cutting , bending, binding and tying the grills etc. complete as per the direction of the E.I.C	36.58	Each Cum.	Rs.4116.21	(Rupees four thousand one hundred sixteen and paise twenty one)only	Rs.1,50,570.96
05	R.C.C. work in CC (1:1/2:3) - M-20 grade in coloumn and beam having a minimum compressive strength (in work test of 200 Kg per cm2 in 15 CM cubes at 28 days after mixing and test conducted in accordance with I.S. 456 and IS 516 using 12 mm to 20 mm size hard black crusher broken granite stone chips) (20mm size not to exceed 25 %) including hoisting ,lowering, laying and compacting concrete by using concrete mixture ,vibrators and similar equipments and tools and plants with watering and curing for 28 days including centering , shuttering and finishing the exposed surfaces smooth providing grooves or beads where necessary including cost ,conveyance,royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects but excluding the cost of M.S rods or tor steel and binding wires and labour charges for cutting , bending, binding and tying the grills etc. complete as per the direction of the E.I.C	65.76	Each Cum.	Rs.7,132.20	(Rupees seven thousand one hundred thirty two and paise twenty)only	Rs.4,69,013.47

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Sl.No.	Description of work	Quantity	Unit	Estimate Rate		Amount
				In Figure	In Words	
06	First class K.B Brick masonry in cement mortar (1:6) using K.B bricks having crushing strength not less than 75 kg. per CM ² with dimensional tolerance plus 8% of size 25 CM x 12 CM x 8 CM after immersing the bricks for 6 hrs. in water before use in Foundation & Plinth including splays cutting circular molding corbeling chamfering and similar such type of works watering and curing etc. complete including cost, conveyance royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects as per the direction of the Engineer-in-Charge.	223.65	Each Cum.	Rs.1969.08	(Rupees one thousand nine hundred sixty nine and paise eight)only	Rs.4,40,384.74
07	12mm (1/2") thick cement plaster with cement and sand mortar (1:6) finished smooth over smooth surfaces of brick masonry walls etc. with watering and curing including cost conveyance royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects as per the direction of the Engineer-in-Charge.	1155	Each Sqm.	Rs.45.70	(Rupees forty five and paise seventy)only	Rs.52783.50
08.	16mm (5/8") thick cement plaster with cement and sand mortar (1:6) finished smooth over inside rough surfaces of brick masonry walls etc. with watering and curing including cost conveyance royalties and taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects as per the direction of the Engineer-in-Charge.	990	Each Sqm.	Rs.61.73	(Rupees sixty one and paise seventy three)only	Rs.61,112.70
Sl.No.	Description of work	Quantity	Unit	Estimate Rate		Amount
				In Figure	In Words	
09	Cutting straightening coiled or bent up M.S rods or tor steel bending, binding, molding, welding and joining , if necessary and tying the grills	113	Each Qntl.	Rs.6,155.60	(Rupees six thousand one hundred fifty five and	Rs.6,95,582.80

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	including placing in position as required for R.C.C work and for providing fan hooks hoisting,lowering and laying with cost , conveyance and taxes of all M.S rods or tor steel and binding wires of 18 to 20 gouges as required for the R.C.C work for bending,binding and tying the grills in all floors (payments shall be made on weight of M.S rod and tor steel only and no separate payments will be made towards the weight of binding wires) including cost of all labour with T&P required for the work etc. complete in all respects in all floors as per the direction of the E.I.C.				paise sixty)only.	
10	providing suppling fitting and fixing M.S gate made out of M.S. flat and M.S. angel confirming to I.S. 1977/1975 of approved design and drawing (design and drawing to be supplied from the E.I.C.) including drilling holes in frames etc. suppling required size of M.S. screws and cutting grooves or beads where necessary including cost, conveyance and taxes of all materials and cost of all labour with T&P required for the work etc. completing all respects as per the directions of the E.I.C	259	Each Kg.	Rs.43.89	(Rupees forty three and paise eighty nine)only	Rs.11,367.51
11	Providing finishing wall painting with water proofing Cement paint (Berger) two coats over a coat of cement wash to inside and out side exposed wall surfaces polished and finished smooth to give an even shade with watering, curing etc. complete. including cost, conveyance ,taxes of all materials and cost of all labour with T&P required for the work etc. complete in all respects as per the direction of Engineer-in-Charge	2145	Each Sqm.	Rs.14.17	(Rupees fourteen and paise seventeen)only	Rs/30394.65

Sl.No	Description of work	Quantity	Unit	Estimate Rate		Amount
				In Figure	In Words	
12	Labour for fitting and fixing of M.S gate as per approved drawing and design including cost of all materials as per direction of E.I.C	6.48	Each Sqm.	Rs. 43.89	(Rupees forty three and paise eighty nine)only	Rs.284.41
13	Providing painting two coats with synthetic enamel paint (Berger)of approved shade over iron surface,polished and finished smooth to give an even shade etc. including cost, conveyance, taxes of all materials and cost of all	4.48	Each Sqm.	Rs.72.48	(Rupees seventy two & paise forty eight)only.	Rs.469.67

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labour with T&P required for the work etc. complete in all respects as per the direction of Engineer-in-Charge					
13 (thirteen) items only.				Total	Rs.19,36,946.20

Say **Rs.19,36,946.00**

1 Percentage Excess over the Estimates cost : In Figure In words.

2.As per the Estimated Cost : In figure In words.

3. percentage less below the Est. Cost. : In figure In words.