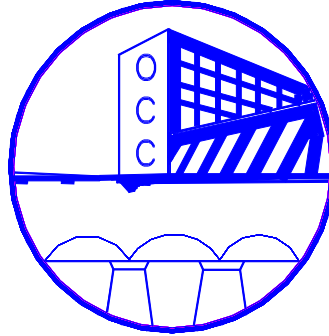


ODISHA CONSTRUCTION CORPORATION LTD.

(A GOVERNMENT OF ODISHA UNDERTAKING)

**CENTRAL WORKSHOP,
RASULGARH,
BHUBANESWAR – 751010 (ODISHA)**



DESIGNED TO EXCEL

TENDER DOCUMENT

Tender call notice No. OCC/CWS/PROC/92(VIII)/(P-IV)/76/20-21 dated 24.03.2021

Name of work :

**REPAIR, RENOVATION AND SHIFTING OF 250 KVA TRANSFORMER OF MACHINE SHOP (38LI),
CENTRAL WORKSHOP, RASULGARH**

(This tender document contains 19 (Nineteen) sheets including this cover page)

Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal

Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)

Particulars of tender document issue

ODISHA CONSTRUCTION CORPORATION LTD.

(A GOVERNMENT OF ODISHA UNDERTAKING)

**CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR – 751010 (ODISHA)**

Date of issue of tender document

Tender call notice No. OCC/CWS/ PROC/92(VIII)/(P-IV)/76/20-21 dated 24.03.2021

Issued in favour of :
(Full name & address)

Telephone No. – Land line :

Mobile :

Valid H.T license No. :

Vide money receipt No. :

Dated :

Issued by
(Stamp and signature of issuing officer)

Cost of tender paper (Non-refundable)= Rs. 4000/- + CGST @ 9% Rs. 360/- + SGST @ 9% Rs. 360/-
=Rs. 4720/- (Rupees four thousand seven hundred twenty)
only by hand / Rs. 4000/- + CGST @ 9% Rs. 360/- + SGST
@ 9% Rs. 360/- = Rs.4720/- + Postal/Courier charges
Rs.100/- = Rs.4820/- (Rupees four thousand eight
hundred twenty) only by Registered Post / Speed Post /
Courier

Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal

Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)

ODISHA CONSTRUCTION CORPORATION LTD.
(A GOVERNMENT OF ODISHA UNDERTAKING)
CENTRAL WORKSHOP,
RASULGARH, BHUBANESWAR – 751010 (ODISHA)

Tender call notice No. OCC/CWS/PROC/92(VIII)/(P-IV)/76/20-21 dated 24.03.2021

Name of work : **REPAIR, RENOVATION AND SHIFTING OF 250 KVA TRANSFORMER OF MACHINE SHOP(38LI), CENTRAL WORKSHOP, RASULGARH.**

On behalf of M/s Odisha Construction Corporation Ltd. ("OCCL"), the Senior Manager (Mech.)-I, Central Workshop, Rasulgarh, Bhubaneswar-751010 (Odisha) invites sealed tenders from Enlisted Electrical contractors with valid electrical (HT) license for the following work(s).

Sl. No.	Name of the work	EMD	Cost of document + CGST @ 9%+SGST @9% in Rs.	Period of completion.	Class of job-worker
1	REPAIR, RENOVATION AND SHIFTING OF 250 KVA TRANSFORMER OF MACHINE SHOP(38LI), CENTRAL WORKSHOP, RASULGARH	1(One) % of the quoted value	4720/-	7 days (Seven) days	OCCL Enlisted electrical contractor with valid electrical (HT) license for electrical works.

1. The tender document may be purchased from the office of the Senior Manager (Mech.)-I, Odisha Construction Corporation Ltd., Central Workshop, Rasulgarh, Bhubaneswar-751010 during office hours from **24.03.2021** to **30.03.2021** (up to **1.00 PM** of **30.03.2021**) on payment of non-refundable cost of tender document as indicated in the table above in shape of Cash/Demand Draft drawn on any nationalized/scheduled bank payable at Bhubaneswar only in favour of **Odisha Construction Corporation Ltd.- Project Account** Interested tenderers may obtain further information, if any, from the undersigned.
2. The tenderers must be accompanied with Earnest Money Deposit @ 1% of total quoted value in any one of the forms specified in the quotation document drawn on any Nationalised / Scheduled Bank payable at Bhubaneswar only in favour of **Odisha Construction Corporation Ltd.-Project Account**, and should be valid for 90 (Ninety) days from the date of opening of tenders.
3. The tender document may be downloaded from OCCL website www.odishaconstruction.com and non-refundable cost of tender document amounting to **Rs.4720/-** (Rupees four thousand seven hundred twenty) only inclusive of CGST @ 9% & SGST @ 9% in shape of Account Payee Demand Draft drawn on any nationalized/scheduled bank payable at Bhubaneswar only in favour of **Odisha Construction Corporation Ltd.-Project Account** may be deposited along with the quotation.
4. The tender papers must be submitted to the Senior Manager(Mech.)-I, Odisha Construction Corporation Ltd., Central Workshop, Rasulgarh, Bhubaneswar-751010 (Odisha) on or before **1.00 PM** on **30.03.2021** and will be opened on **30.03.2021** at **4.00PM** in the presence of the tenderers or their authorized representatives if they so desire. If there will be a public holiday on the last date of sale of tender document and receipt & opening of the tenders as specified above, the tender document will be sold and tenders will be received & opened on the next working day at the same time and venue.

Signature of tenderer or his/their power of attorney holder with date, full name, designation and official seal

**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)**

5. Intending tenderers are required to furnish the following along with their tenders.
- i) The bidder must have successfully executed contracts of similar nature of work either directly awarded to him by an electrical supply utility in India or contracts awarded by an agency on subcontract basis provided such agency has got order directly from an Electrical Supply Utility. The bidder must enclose copies of the relevant work orders, copies of invoices and performance certificates duly signed by the competent authority of utility in proof of having executed the works
 - ii) In addition to the above bidders should submit the following documents with the technical bid as qualifying terms
 - a. Valid electrical(HT) license for electrical works
 - b. Cost of tender document duly signed & stamped on each page
 - c. Copy of valid GST registration certificate
 - d. Copy of PAN card
 - e. Copy of document indicating residential address
 - f. Copies of documents on credentials and proofs in support of successful execution of works of similar nature and magnitude earlier.
 - g. Undertaking to mobilize workmen at site of work within 3(Three) days from the date of issue of work order/letter of intent by "OCCL"
 - h. Undertaking in prescribed format available in the tender document.
 - i. Details of Earnest Money Deposit (EMD) in prescribed format available in the tender document .
 - j. Detailed planning of men, machinery and materials for executing the work tendered herein.
 - k. Complete tender document duly filled-in and signed on each page by the tenderer or his/their power of attorney holder with date, full name, designation and official seal.
7. The intending bidder is to quote rates in enclosed blank price schedule format.
8. The successful bidder shall have to execute the work as per scope of work, relevant drawings, technical specifications, terms and conditions of agreement & direction of Engineer-in-Charge.
9. The authority reserves absolute right to accept or reject any or all quotations without assigning any reason thereof.
10. Any dispute arising out of this tender or order thereof is to be settled in proper court under the jurisdiction of Odisha High Court at Cuttack or courts under the jurisdiction of Odisha High Court at Bhubaneswar only.

**Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal**

**Senior Manager(Mech.) – I,
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Bhubaneswar – 751010 (Odisha)**

EMD and document deposit particulars

DETAILS OF EARNEST MONEY DEPOSIT (EMD) AND DOCUMENTS SUBMITTED ALONG WITH TENDER

1. EMD amount _____(Rupees _____) only vide
A/C Payee D.D. / B.C./ Pay Order No. _____ Dated _____ issued by
_____ Bank, _____ Branch.
2. GST registration Certificate
3. P.A.N. card
4. Names of relations in O.C.C. Ltd.
5. Money receipt No. _____ Dated _____ issued by _____
_____ for Rs. _____ (Rupees _____
_____) only in support of purchase of tender schedule.
6. Any other documents.

**Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal**

**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)**

Undertaking of Job-Worker

I / We Shri

(In case of the firm, the name of the proprietor/head of the firm along with the designation & name of firm should be mentioned)

S/o Sri _____, Permanent resident of
Vill./Street - _____, P.O. - _____, P.S.- _____
Via - _____, Dist. - _____
State - _____, PIN - _____

declare that I/We have thoroughly gone through the quotation document and I/We know the sites of works. I/We agree to work at rates quoted by me/us or at settled rates and abide by the terms and conditions of the quotation document.

**Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal**

**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)**

SCOPE OF WORKS

The Senior Manager (Mech.) invites sealed bids from eligible interested bidders for "Repair, renovation and shifting of 250 KVA transformer of machine shop(38LI), Central Workshop, Rasulgarh as per direction of Engineer-In-Charge".

The materials to be supplied by the bidder to complete the job shall be on the basis of a single Bidder's responsibility, completely covering supply and erection of all the equipments specified under the accompanying Technical specifications including other services. It will include the following:-

- (a) Interested Job-Workers may visit the site of work before submitting the offer
- (b) Supply & fixing of 11KV (Horizontal type)-400 Amp AB switch & HG Switch
- (c) Supply, fixing, erection, connecting & commissioning of out door type dust vermin proof, sheet steel clad made with 2.0 mm CR sheet double door type 400Amp feeder panel with 500 Amp MCCB, 400 Amp kit kat with aluminium bus-bar, locking arrangement including all material
- (d) Supply & erection of 11 KV lightning arrestor 12K (Lamco)
- (e) Supply, erection & 100 X 50X5mm MS channel for AB switch mounting channel
- (f) Supply & erection of 95mm² insulated conductor (for jumpering)
- (g) Supply & laying of 25 X 6 GI flat for earthing of different electrical equipment in sub-station DP
- (h) Supply, erection of aluminium socket, stud clamp & other materials
- (i) HT stay set with insulator & stay wire
- (j) TPCODL liaisoning for shut down work with TPCODL Engineer in-charge
- (k) Getting the Substation & lines inspected and certified for energization of the installation by Electrical Inspector after completion of work at the particular location at his cost.
- (l) Supply & erection of 5/8 different size nut bolt with washer
- (m) Supply & erection of 95mm² insulated conductor
- (n) Supply & laying of 25X6 GI flat for earthing of different electrical equipment in substation D/P
- (o) Supply, erection of Aluminium socket stud clamp and other materials
- (p) Dismantling of old DP structure and metering arrangement
- (q) Pipe type earthing
- (r) 250KVA substation plinth including all materials and labour
- (s) 500Amp MCCB feeder panel plinth foundation including all material and labour
- (t) TPCODL liaisoning and electrical inspector liaisoning for shifting of 250 KVA transformer and 11KVA line
- (u) 250 KVA transformer switch yard fencing with gravel and sand
- (v) Transformer substation LT feeder panel and cable socketing, cable terminating & cable fitting
- (w) Supply of G.I.Pin and pin insulator
- (x) Labour supply for 11KV pole cupping and painting and fabrication of all material

OCCL Scope

OCCL shall supply 11KV joist pole(100 X116- 2 Nos) to the job worker.

**Signature of tenderer or his/their power
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**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)**

GENERAL TECHNICAL SPECIFICATION OF MATERIALS

1 Rolled Steel Joist Poles:

The Rolled Steel Joist Poles (RS Joint Poles) shall be fabricated from ISMB of suitable cross section and length welded with M.S. base plate of minimum 300mm x 300mm x 6mm size and painted with a single coat of black bituminous paint up to the plating depth and rest with red-oxide primer. Earthing arrangement shall be made by drilling a hole of 18mm diameter at a height 1200mm above the plating depth. As far as practicable, welding of different lengths of ISMB should be avoided.

2 Structure Materials and Cross Arms:

The structure materials for DP structure shall be fabricated with specified section of mild steel materials as per the drawing and bill of quantity. These structure materials and cross arms shall be fastened with clamps or other structure materials by means of 5/8" dia GI bolts of appropriate length only. After fabrication or erection the structure materials shall be painted with two coats each of red-oxide primer and aluminum paint.

3 Lightening Arrestor:

Non-linear resistor type of distribution class lightning arrester with 12 KV RMS voltage rating shall be used. The lightning arrester shall conform to IS:3070(Part-I)/ 1974.

4 Air Break Switch:

The Air Break Switch shall be two-insulator version horizontally mounted type. The Switch blades and spring loaded contacts shall be made of silver plated copper. The vertical operating shaft shall be provided with guide clamps at suitable intervals and pad locking arrangements in both "ON" and "OFF" position. The Air Break Switches shall conform to IS:1818/1972.

5 Horn Gap Fuse:

The Horn Gap Fuse shall conform to IS:1818/1972

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**Senior Manager(Mech.) – I,
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INSTALLATION

1. Cable Laying and Installation:

The cables shall be of approved make and tested at factory in presence of Engineer-in-charge of his authorised representative. The cables shall be dispatched to the work site packed on wooden drums with both ends properly sealed. Jointing of the cables in between the terminal points shall be avoided as far as possible. The cables shall be tested for insulation resistance by 500 volt insulation Megger. Cable loops for future requirement shall be kept at both ends as per direction of the Engineer-in-charge.

One number of 8 swg GI wire in case of single phase 230V ac system and two numbers 8 swg GI wire in case of multi phase 400V ac system shall run all along the trench or tray with the cables as earth continuity conductor. The supply and laying of earth continuity conductor such as GI wire or flat shall be considered separately in the schedule of quantity.

Minimum bending radius for PVC insulated cables shall be 1200mm. At joints and terminals, the individual core of multi core cable should never be bent so that radius of bending is less than 12 times the overall diameter of the cable.

The laying and installation of cable shall be carried out as per IS:1255/1983. The methods of cable laying shall be following types depending upon the requirements.

- a. Laying directly under ground.
- b. Laying along building structural elements.

(a) Laying Directly under Ground:

Cable trenches shall be excavated cutting all types of soil and rock up to a minimum depth of 750 mm and of appropriate width (Not less than 350mm) to accommodate the cables and cable protecting materials within the tendered rate.

The sides and bottom of the trench shall be dressed and filled with 75mm thick layer of fine sand. The cables shall then be laid with bricks on 8 bricks per meter fashion. Space between the bricks shall be filled with fine sand up to 75mm above the top of the cable.

The trench shall then be filled up with the excavated materials free from stone or sharp edged debris and duly compacted. A crown of earth neither less than 50mm nor more than 100mm in the center and tapering towards the sides of the trench shall be left to allow for subsidence.

Cable route markers shall be installed at salient and strategically located points parallel to and 500mm or so away from the edge of the trench for easy identification of cable routes at a maximum interval of 10 meter for straight run.

In locations such as road crossing, pipeline crossing entry to buildings or poles on paved area etc. the cable shall be laid in pipes or closed ducts. Pipes provided for entry to building shall slope upward to prevent entry of water to the building. Stone, ware, cast iron, NP-2 class RCC pipes or medium class M.S./G.I. pipe of appropriate diameter shall be laid during the construction to avoid damage later on. The diameter of cable protecting pipes shall be at least 1.5 times the outer diameter of the cable.

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2. **Installation of Earthing:**

The earthing installation shall generally conform to IS:3043/1996 and requirements of Indian Electricity Rules 1956.

All three phase medium voltage equipment shall be earthed by two separate and distinct connections with earth electrode. Single –phase equipment shall be earthed at least at one point. An earthing electrode shall not be situated within a distance of 1.5 meter from the building whose installation system is being earthed. The number of earthing may be increased to obtain the desired earth resistance. The earth resistance for various installations shall be restricted within the following maximum permissible limits.

Distribution sub-stations	2 Ohms
Hospital Buildings	5 Ohms
Earth Continuity inside an installation	1 Ohm(From electrode to any point in installation)

The following types of earthing installation shall in general be provided

- a. Pipe earthing
- b. Coil earthing

(a) **Pipe Earthing :**

Pipe earthing electrodes shall be perforated GI pipe of specified length and diameter. Galvanizing of pipes shall conform to relevant IS code. The GI pipe electrode shall be provided with holes of 12mm diameter drilled not less than 75mm from each other zigzag manner. A flange shall be welded to the electrode at the top of the pipe. The electrode shall be buried in the ground vertically with its top not less than 200mm below the ground level. The pipe earth electrode shall be surrounded by salt and charcoal in alternative layers.

A brick masonry chamber with removable RCC inspection cover of size 300mm X 300mm shall be constructed within the tendered rate. Watering arrangement shall be made with fuel ad wire mesh fixed by means of a reducer socket on the top of the electrode.

(b) **Coil Earthing:**

The coil earth electrode shall be made out of required number of closely wound 8 swg GI wire having 2 Metre long lead at one end. Galvanizing of wires shall conform to relevant IS code. The electrode shall be buried in the ground vertically with its top not less than 1200mm below the ground level. The coil earth electrode shall be surrounded by salt and charcoal in alternative layers.

3. **Installation of Earthing Loads:**

The earthing loads shall be either wires or strips of adequate size as specified. The GI leads shall be connected to the electrode by means of 16mm diameter GI nut bolts with flat and spring washer and the lined copper leads shall be connected to the electrode by means of 16mm diameter brass nut bolts with flat and spring washer.

All earth connections shall be visible for inspection. The portion within the building shall be recessed or clamped at not more than 500mm interval in the walls/ columns beams etc and recessed in the floors. Joints in the earthing lead within the earth electrode and apparatus shall be avoided.

Signature of tenderer or his/their power of attorney holder with date, full name, designation and official seal

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4 **11KV LINE:**

The 11KV line will be drawn on 8mtr long 200 kg. PSC pole with 55 mm² AAA conductor at an average length of 10 nos. poles per km. or part thereof. The poles should be dugged upto 1/6th of length of pole in to the ground. The end points of conductor should be fixed with disc insulator B & S type and B & S type G.I hardware fittings. The intermediate points are to be binded with 11 KV pin insulator by aluminum binding wires tapes. All the end poles / angle points will be fixed with stay as per requirement. Each pole should be earthed by coil earthing made of No. 8 G.I wire. The cross arms should be connected to the earthing. The stay rods should be fixed in cement concrete as per the load on the stay.

5. **Earth Electrode Resistance Test :**

The resistance of each earth electrode shall be tested with an earth tester and the combined earth resistance of the earth grid of an installation shall be maintained as mentioned below.

Distribution Sub-stations	:	2 ohms
Hospital Buildings	:	5 ohms
	:	Earth Continuity inside an installation 1 ohm (from electrode to any point in installation)

The completed installation shall be taken over only if the results obtained from the above tests are within the limits mentioned above and in accordance with I.E. Rules. On completion of testing of installation, a certificate shall be furnished by the contractor countersigned by the certified supervisor having a valid electrical supervisory license issued by Electrical Licensing Board of the State Government under whose direct supervision the installation was carried out. The certificate shall in a prescribed form obtainable from local supply authority.

6 **Inspection by Electrical Inspector :**

The contractor will be responsible to get it approved from Electrical Inspector and also held responsible to liaison with TPCODL for handing over the same to TPCODL after charging at his cost.

Signature of tenderer or his/their power of attorney holder with date, full name, designation and official seal

**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
Bhubaneswar – 751010 (Odisha)**

GENERAL TERMS AND CONDITIONS

1. DEFINITIONS

- (i) **"CORPORATION"** means **"ODISHA CONSTRUCTION CORPORATION LTD. ("OCCL" in short)** with registered office at Unit-8, Gopabandhunagar, Bhubaneswar – 751 012 (Odisha) represented through its Managing Director or any other officer as designated by the "Corporation" from time to time.
- (ii) **"ENGINEER-IN-CHARGE"** means the qualified engineer deployed by the "Corporation" at work site for the work including the Senior Manager(Mech.)-I / Senior Manager(Mech.)-II / Senior Manager(Mech.)-III Odisha Construction Corporation Ltd., Central Workshop, Rasulgarh, Bhubaneswar – 751010 (Odisha) or their authorized person"
- (i) **"JOB-WORKER / SUCCESSFUL BIDDER"** means the enlisted person/firm/organisation having men, machinery, materials etc. to execute the work satisfactorily as per scope indicated herein within stipulated period.
- (ii) **"CLIENT"** means the State Govt. or Central Govt. organization or any individual from whom "OCCL" has received the work for execution.

2. AGREEMENT

The "Job-Worker" shall enter into an agreement with the "Engineer-in-Charge" in the format on requisite value of stamp paper prescribed for the purpose by the "Corporation" within a stipulated period to be specified by the "Engineer-in-Charge" failing which the EMD and ISD shall be forfeited. The work may be awarded in favour of some other agency at the discretion of the "Corporation".

3. RATE

The rate quoted by the quotationer is to be indicated in Rupees(Rs.), which shall be valid for the full period of execution or till completion of work whichever is later. No escalation or price variation in whatsoever form shall be entertained. The rates quoted by the "Job-Workers" should be firm for the entire period of execution.

The "Job-Worker" shall quote the rates to complete the works as per specifications inclusive of handling, loading, unloading, shifting, lift, de-lift, taxes, duties, levies, incidental expenses etc. that will be applicable on the work to be executed by him. No claim in this regard in whatsoever form shall be entertained.

Obtain all statutory clearance from line departments such as TPCODL and electrical dept.. for execution of the work. Cost shall be reimbursed as per actual on production of documents towards payment to the agencies.

4. PAYMENT TERMS

- i) Payment shall be made on unit basis as per bill of quantities mentioned in the price schedule for the work.
- ii) 80% (Eighty) payment shall be made only after the work at site against submission of bills by the "Job-worker" and verification items by the "Engineer-in-Charge" & Balance 20% (Twenty) payment shall be made after 60(Sixty) days of commissioning, testing and satisfactory performance of works.
- iii) No advance, price escalation and price adjustment shall be paid for the work. The rates shall remain firm through out the agreement period.

**Signature of tenderer or his/their power
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**Senior Manager(Mech.) – I,
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- iv) The payment to the "Job-Worker" shall be limited to the measurements taken basing on actual execution. The "Job-Worker" can not raise any dispute over the measurements allowed by the "Engineer-in-Charge" for the purpose of payment.
- v) The job-worker will bear the full cost of rectification or replacement of works required as per direction of "Client" or "Engineer-in-Charge".
- vi) Any penalty levied by "Client" on "OCCL" due to delay in work will be borne by the "Job-Worker" in full, if the "Job-Worker" is responsible for delay.

5. INITIAL SECURITY DEPOSIT (ISD)

The "Job-Worker" shall deposit Initial Security Deposit (ISD) at the rate of 2(Two) % of the work/agreement value on receipt of letter of intent of work within a period of 15 days from the date of issue but before execution of agreement. After receipt of the full ISD, the EMD received along with the tender shall be returned.

If the quotationer desires, the EMD can be converted to ISD and the balance amount of ISD has to be deposited. If the "Job-Worker" fails to deposit such initial security within the stipulated date, the EMD of the "Job-Worker" shall be forfeited and the work may be awarded in favour of some other agency at the discretion of the "Corporation".

7. SECURITY DEPOSIT (SD)

The Security Deposit (SD) at the rate of 5(Five)% shall be deducted on the gross amount of each bill of the "Job-Worker". The security will be released after 6(Six) months of completion of the work or settlement of final bill of the "Job-Worker", whichever is later, if no defect in the work is noticed and material account as well as all disputes including compliance of labour rules, ESI rules etc. are settled.

8. INCOME TAX, GST, OTHER TAXES, DUTIES, LEVIES ETC.

Income tax at the prevailing rate from time to time will be deducted from each bill of the "Job-Worker" and shall be deposited with Income Tax Authorities. Any other taxes, duties, royalties, levies etc. as applicable from time to time shall also be deducted.

9. OPTIMUM USE OF MACHINERY, VEHICLES, EQUIPMENTS, TOOLS, TACKLES, CONSUMABLES AND STEEL MATERIALS

The "Job-Worker" shall ensure optimum utilisation of the plants, machinery, equipments, tools, tackles, consumables, steel materials etc.(If supplied to Job-Worker) and shall not create any hindrance for others. The decision of the "Engineer-in-Charge" regarding the optimum requirement shall be final and binding on the "Job-Worker". Idle charges for machineries shall be deducted from the Job Worker in case the same have not used optionally and kept idle.

10. RECORD OF MATERIALS, CONSUMABLES, MACHINERY, EQUIPMENTS, TOOLS, TACKLES ETC.

The "Job-Worker" shall be responsible for maintaining the data and complete records of issue and consumption of materials and consumables as well as record of plants, machinery, equipments, tools, tackles, steel materials etc. issued. The materials, plants, machinery, equipments, tools, tackles, steel materials etc. shall be issued as per requirement and availability only. Crane, machinery, materials, tools, tackles etc. required at erection site, shall be arranged by Job worker.

The materials supplied by the "Corporation" will be received by the "Job-Worker" from the "Corporation" store on submission of indent by the "Engineer-in-Charge". Transportation of materials to site of work and storage at site are the responsibility of the "Job-Worker".

**Signature of tenderer or his/their power
of attorney holder with date, full name,
designation and official seal**

**Senior Manager(Mech.) – I,
OCCL, Central Workshop, Rasulgarh,
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The "Job-Worker" will keep an accurate record of "Corporation" materials and furnish the consumption statement of such materials. The surplus materials, if any, are to be returned to the "Corporation" store at his cost failing which, the cost of excess materials will be recovered from the dues of the "Job-Worker" @ 5(Five) times the issue rate of "OCCL" or market rate, whichever is higher.

The materials, if and when supplied by the "Job-Worker", shall be of the best and suitable quality as per specifications stipulated in the technical specifications and subject to approval of "Engineer-in-Charge"/"Client", whose decisions, as regards quality of the materials, shall be final.

11. RETURN OF PLANTS, MACHINERY, EQUIPMENTS, TOOLS, TACKLES, MATERIALS, CONSUMABLES ETC.

The plants, machinery, equipments, tools, tackles, excess steel materials, excess consumables etc. of the "Corporation" are to be returned by the "Job-Worker" in good working condition after completion of the work/termination of the contract by the "Corporation". The "Corporation" may hire plants, machinery, equipments, tools, tackles etc. from the owner as well as outside for use in work. The same are also to be returned by the "Job-Worker" in acceptable good working condition with original fittings after completion of the work/termination of the contract by the "Corporation".

Any damage to/ by the plants, machinery, equipments, tools, tackles etc. during use by the "Job-Worker" shall be booked to the "Job-Worker" for recovery from his bills.

The balance unused/excess steel materials, consumables etc. of the "Corporation", if any, shall be returned by the "Job-Worker" in good condition at specified places as per direction of the "Engineer-in-Charge" failing which the cost at 5(Five) times the market rate shall be deducted from the "Job-Worker".

12. SCRAP STEEL MATERIALS

The scrap steel materials generated during execution of work out of steel materials issued by "OCCL" shall be the property of the "Corporation". It is the responsibility of the "Job-Worker" to collect and stack them at proper location/locations as per direction of the "Engineer-in-Charge". The "Job-Worker" shall be responsible for return of the same. An unaccounted loss of 0.5% shall be allowed. Balance has to be returned to the "Corporation". In case of non-return of the same, the cost as decided by the "Engineer-in-Charge" shall be recovered from the "Job-Worker".

13. ELECTRICITY

Electricity required for erection of work at site shall be arranged by OCCL at their own cost.

14. MEASUREMENT OF WORK

The quantity of work executed shall be measured and payment made once in a month or on completion of work or on termination of the agreement, when final measurement will be made and account will be adjusted accordingly. The decision of the "Engineer-in-Charge" regarding the rates, progress, measurement and quality of the work shall be final and binding on the "Job-Worker".

15. INDIAN STANDARDS, DRAWINGS AND SPECIFICATIONS

The work shall be carried with due diligence and in a workman like manner in accordance with relevant Bureau of Indian Standard specifications on the basis of latest approved drawings and technical specifications supplied by "Corporation" in absence of which as per the direction of "Engineer-in-Charge".

The technical specifications in the relevant agreement between the "Corporation" & owner and approved drawings & technical specifications issued by the owner & "Corporation" shall be the basis for execution of work under the agreement. In the absence of approved drawings and technical specifications, the direction of the "Engineer-in-Charge" shall be final and binding on the "Job-Worker".

The "Job-Worker" shall make arrangements to take copies of the approved drawings from the office of the "Engineer-in-Charge" for reference during execution of work.

**Signature of tenderer or his/their power
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16. PAYMENT TO WORKMEN

The "Job-Worker" should maintain job register and payment rolls of their workmen and get those checked by the "Engineer-in-Charge" or his authorised representative from time to time. The payment to the workers/ supervisory staff shall be made by the "Job-Worker" in the presence of the owner and/or "Engineer-in-Charge" or his authorised representative. The paid pay roll register shall be signed by the "Engineer-in-Charge" or his authorised representative as a token of disbursement. The copies of paid pay roll shall be submitted to the "Engineer-in-Charge" within a period of 7(Seven) days from the date of payment failing which no further payment to the "Job-Worker" shall be released.

17. WORKMEN COMPENSATION

In case of any loss due to accident arising during/in connection with execution of the contract, the "Job-Worker" will pay compensation to his workmen. The "Job-Worker" will be fully responsible for his workmen as per workmen's compensation act and labour laws in force during entire period of execution of contract. In case, the "Job-Worker" fails to do so, the "Corporation" may pay the same and recover the same from the bills/ dues of the "Job-Worker".

18. INFORMATION OF WORKMEN

The "Job-Worker" will make his own arrangements for procurement of labour and shall furnish all information of workmen employed by him like name, father's name, full permanent address, sex and age to the "Engineer-in-Charge" along with the pay.

19. STATUTORY REQUIREMENTS

The "Job-Worker" shall comply all statutory requirements applicable at site of work such as minimum wage act, labour act, factory act, workmen's compensation act, provident fund rules, employee's state insurance rules etc. A certificate to this effect shall be enclosed by the "Job-Worker" with each Running Account Bill for payment.

20. MINIMUM AGE OF WORKMEN

The "Job-Worker" shall not employ any person, who is below the age of 18(Eighteen) years or unfit for the tendered items. The "Engineer-in-Charge" shall have right to decide, whether any labour employed by the "Job-Worker" is below the age of 18(Eighteen) years or unfit and refuse to allow any labour, whom he decides to be below the age of 18 years or unfit for any other reason.

21. SAFETY

The "Job-Worker" should abide by the safety laws and rules of statutory bodies, "Corporation" and owner as per directions of "Engineer-in-Charge" and Safety Officers inspecting from time to time.

22. WATCH AND WARD

The "Job-Worker" shall arrange watch and ward and safety of the site of work, constructed structures, machinery, vehicles, equipments, tools, tackles, consumables, steel materials etc. of the "Corporation" and owner at his own cost.

23. AUTHORISED PERSON

The "Job-Worker" may in writing authorise his power of attorney holder or any other person to draw materials, avail facilities, attend measurements etc. during the course of execution of work. All liabilities created by the authorised person of the "Job-Worker" by way of loss of materials drawn, amenities availed, unpaid wages created etc. shall be considered as the liabilities of the "Job-Worker" and such liabilities shall be made good by the "Job-Worker" or it shall be recovered from the bill/payment due to him.

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24. SPLITTING UP WORK

The successful Job worker shall have to execute the erection, painting, commissioning, testing and related civil works. No splitting up work shall be made and there may be increase or decrease in the quantity of work mentioned in the quotation document without assigning any reason thereof and no claim whatsoever will be entertained on this account. The quantity as per agreement may also increase or decrease as per actuals.

25. BREACH OF CONTRACT

The ISD including EMD, SD and additional SD are liable to be forfeited in the event of breach of contract and the agreement shall be terminated. The dues of the "Corporation" including due of labourers/workmen and other statutory payable liabilities payable by the "Corporation" as principal employer shall be cleared by the "Job-Worker". The decision of the "Engineer-in-Charge" in this regard shall be final and binding on the "Job-Worker". The amount remaining as outstanding against the "Job-Worker" after adjustment of his dues shall be payable by him to "OCCL". If necessary, legal action may be taken for recovery of the dues of the "Corporation" including labour and statutory dues to be cleared by the "Corporation" as principal employer and "OCCL" reserves the right to recover the payable amount from the "Job-Worker" from works done by his under any other organization or from his properties.

26. TERMINATION OF CONTRACT

The "Engineer-in-Charge" may put an end to the agreement at his option at any time due to (a) Bad workmanship (b) Dis-proportionate progress (c) Non-compliance of labour rules or (d) Any other reason. The decision of the "Engineer-in-Charge" is final in this respect and no claim on this account will be entertained. "OCCL" also reserves the right to take exparte measurements, if the "Job-Worker" does not co-operate in taking final measurements after termination of contract.

27. RESPONSIBILITY OF JOB-WORKER

The work shall be completed by the "Job-Worker" in all respect within the stipulated period of completion and the responsibility of the "Job-Worker" shall cease only, when the items are fully accepted by the owner after erection at project site.

28. PROGRESS OF WORK AND PENALTY

The "Job-Worker" will achieve the desired progress as per programme.. If the "Job-Worker" fails to achieve the contracted quantity every month as per programme, penalty at the following rates shall be imposed.

Sl. No.	Failure percentage(%)	Penalty percentage(%)
(i)	Less than 10(Ten)%	1(One)% of value of defaulted quantity
(ii)	Above10(Ten)% and upto 20(Twenty)%	2(Two)% of value of defaulted quantity
(iii)	Above 20(Twenty)% and upto 30(Thirty)%	5(Five)% of value of defaulted quantity
(iv)	Above 30(Thirty)%	To be asked to demobilize with penalty equivalent to 10(Ten)% of value of defaulted quantity. The "Engineer-in-Charge" will off-load the work and get the work done through any other agency or of its own at the risk and cost of the "Job-Worker". No claim will be allowed to the "Job-Worker" in this regard.

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29. REJECTION DUE TO BAD WORKMANSHIP

The rejection due to bad workmanship shall be charged to the "Job-Worker" at a cost of rejected items plus 20(Twenty) %.

30. TESTING OF WELDERS AND OTHER SKILLED/SEMI-SKILLED WORKMEN

The qualification test of welders and other skilled/semi-skilled workmen may be conducted at site by the "Engineer-in-Charge" and only qualified welders and other skilled/semi-skilled workmen shall be deployed for the work. The cost of testing shall be borne by the respective "Job-Worker".

31. QUALITY ASSURANCE AND QUALITY CONTROL

Quality Assurance/Quality Control Plan shall be prepared before commencement of site activities and shall be followed maintaining stage-wise up-to-date record of the work.

32. SITE VISIT

The "Job-Worker", interested to participate in the tender, should visit the site of work and get himself acquainted with site conditions and tendered work before submitting the tender.

33. DEVIATION OF PROVISIONS IN AGREEMENT

The "Job-Worker" will not vary or deviate from the provisions in the agreement without obtaining prior permission in writing from the "Corporation".

34. RIGHT OF THE "CORPORATION"

The "Corporation" reserves the right to cancel a particular quotation call or all quotation calls without assigning any reason thereof. The offer of any quotationer or all may be cancelled without assigning any reason thereof. The requirement shown in any quotation call notice are only indicative and may vary.

35. EXECUTION OF EXTRA ITEMS AND EXTRA QUANTITIES

All extra items are to be executed by the "Job-Worker" at mutually agreed rates. All extra quantities are to be executed at agreement rates. If required, the "Job-Worker" has to furnish the working analysis as per actuals to arrive at the extra items rates.

36. FORCE MAJEURE:

Neither party shall be liable to the other for any loss or damage occasioned by or arising out of acts of God such as unprecedented flood, volcanic eruption, earthquake or other convulsion of nature and other acts such as but not restricted to invasion, the act of foreign countries, hostilities, or war-like operations before or after declaration of war, rebellion, military or unurped power which prevent performance of the contract and which could not be foreseen or avoided by a prudent person.

37. JURISDICTION

For all liabilities created under the various contractual obligations/impositions under this agreement, the "Job-Worker" undertakes not to raise any dispute or litigations in connection there with and shall make all endeavors to resolve all disputes amicably through conciliation and in all such cases, the decision of the Managing Director, "OCCL" shall be final and binding on the "Corporation" as well as on the "Job-Worker" failing which all such disputes arising out of the agreement shall be subject to jurisdiction of Hon'ble High Court of Odisha at Cuttack and their sub-ordinate courts at Bhubaneswar only. Both the parties agree by mutual consent that any dispute relating to this agreement is barred from arbitration.

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ODISHA CONSTRUCTION CORPORATION LTD.
(A GOVT. OF ODISHA UNDERTAKING)
CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR-751010 (ODISHA)

Price schedule for the work : Repair, Renovation and shifting of 250 KVA Transformer of Machine Shop (38LI), Central Workshop, Rasulgarh

Sl. No	Description of items	Qty required in Unit	Rate per each unit				Total Amount for full quantity required in Rs.	
			Basic price including, unloading, loading, shifting, handling charges etc. as required in Rs. per unit	GST as applicable in Rs. per unit	Total in figures in Rs. per unit	Total in words in rupees per unit	In figures	In words
1	2	3	4	5	6	7	8	9
1	Supply & fixing of 11KV (Horizontal type)-400 Amp AB switch	1 No						
2	Supply & fixing of 11KV (Horizontal type)-400 Amp HG switch	1 No						
3	Supply, fixing, erection, connecting & commissioning of out door type dust vermin proof, sheet steel clad made with 2.0 mm CR sheet double door type 400Amp feeder panel with 500 Amp MCCB, 400 Amp kit kat with aluminium bus-bar, locking arrangement including all material	1 No						
4	Supply & erection of 11 KV lighting arrester 12K (Lamco)	3 Nos						
5	Supply, erection & 100 X 50X5mm MS channel for AB switch mounting channel	2 Nos						
6	Supply, erection & 5/8 different size nut bolt with washer	10 kg						
7	Supply & erection of 95mm ² insulated conductor (for jumpering)	40 Mtr						
8	Supply & laying of 25 X 6 GI flat for earthing of different electrical equipment in sub-station DP	15 mtr						
9	Supply, erection of aluminium socket, stud clamp & other materials	1 set						
10	Supply & painting of Red-oxide paint	1 ltr						
11	Supply & painting of Aluminium paint	1 ltr						
12	HT stay set with insulator & stay wire	2 Nos						
13	TPCODL liasioning for shut down work with TPCODL Engineer in-charge	LS						

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Sl. No	Description of items	Qty required in Unit	Rate per each unit				Total Amount for full quantity required in Rs.	
			Basic price including, unloading, loading, shifting, handling charges etc. as required in Rs. per unit	GST as applicable in Rs. per unit	Total in figures in Rs. per unit	Total in words in rupees per unit	In figures	In words
1	2	3	4	5	6	7	8	9
14	Supply & erection of 5/8 different size nut bolt with washer	50 Kg						
15	Supply and erection of 95mm ² Insulated conductor	310 Mtr						
16	Supply & laying of (25X6) GI flat for earthing of different electrical equipment in substation D/P	35 Mtr						
17	Supply, erection of Aluminium socket stud clamp and other materials	1 set						
18	Dismantling of old DP structure	1 No						
19	Metering cost and metering arrangement	1 No						
20	Pipe type earthing including cost of excavation of soil copper earthing pipe, good borrowed earth	6 Nos.						
21	250 KVA Substation (4' X 4') plinth including all material and labour	1 No						
22	500Amp MCCB feeder panel plinth foundation including all material and labour	1 No						
23	TPCODL liaisoning and electrical inspector liaisoning for shifting of 250 KVA transformer and 11KVA line	LS						
24	250 KVA transformer switch yard fencing with gravel and sand	1 set						
25	Transformer substation LT feeder panel and cable socketing, cable terminating & cable fitting	1 No						
26	B/S Disc insulator with hardware fitting	12 Nos						
27	G.I Pin and pin insulator	12 Nos						
28	Labour supply for 11KV pole cupping and painting and fabrication of all material	1 set						

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